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**FREEWAY HEALTH RISK ASSESSMENT**  
**TECHNICAL REPORT**  
**SDSU MISSION VALLEY CAMPUS MASTER PLAN**  
**PROJECT**  
**SAN DIEGO, CALIFORNIA**

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## ACRONYMS AND ABBREVIATIONS

µg/m <sup>3</sup>	microgram per cubic meter
ADT	average daily traffic
AERMAP	AERMOD Terrain Pre-Processor
AERMIC	AMS/EPA Regulatory Model Improvement Committee
AERMOD	AMS/EPA Regulatory Model
ASF	age sensitivity factor
AT	averaging time
CalTrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEF	combined exposure factor
CEQA	California Environmental Quality Act
CHI	chronic hazard index
CPF	cancer potency factor
cREL	chronic reference exposure level
DBR	daily breathing rate
DPM	diesel particulate matter
ED	exposure duration
EF	exposure frequency
EMFAC	EMission FACTor model
FAH	fraction of time at home
FTES	full-time equivalent students
g/s	gram per second
HARP	Hot Spots Analysis and Reporting Program
HRA	health risk assessment
I-15	Interstate Route 15
I-8	Interstate Route 8
KVR	Kearny Villa meteorological station
NEDs	National Elevation Datasets
OEHHA	California Office of Environmental Health Hazard Assessment

## ACRONYMS AND ABBREVIATIONS (CONTINUED)

PeMS	Performance Measurement System
PM <sub>10</sub>	particulate matter of aerodynamic radius less than a nominal aerodynamic diameter of 10 micrometers
Ramboll	Ramboll US Corporation
SANDAG	San Diego Association of Governments
SDAPCD	San Diego Air Pollution Control District
SDCCU	San Diego County Credit Union
SDSU	San Diego State University
TAC	toxic air contaminant
TACs	toxic air contaminants
TDM	Transportation Demand Management
USEPA	United States Environmental Protection Agency
VMT	Vehicle miles traveled

## 1. INTRODUCTION

The San Diego State University (SDSU) Mission Valley Campus Master Plan Project (project) is a proposed mixed-use campus, research park, and stadium located on an infill site in the Mission Valley planning area of the City of San Diego. As shown in **Figure 1**, the proposed project site is adjacent to two freeways (Interstate 15 [I-15] and Interstate 8 [I-8]), both of which function as high-traffic roads. Guidance documents (described in more detail below) encourage the evaluation of health risk impacts associated with toxic air contaminants (TACs) that are emitted by vehicles traveling on freeways in close proximity to the project site.

The California Air Resources Board's (CARB) guidance manual on certain locational attributes of land use development, *Air Quality and Land Use Handbook: A Community Health Perspective* (CARB Handbook), is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process.<sup>1</sup> The CARB Handbook focuses on disclosing "important air quality information about certain types of facilities that should be considered when siting new residences, schools, day care centers, playgrounds, and medical facilities (i.e., sensitive land uses)." Additionally, the CARB Handbook provides information on the siting of new sensitive land uses near specific emission sources (i.e., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities), and identifies recommended buffers for the avoidance of potential health-based consequences due to the proximity of sensitive land uses to such sources. Some examples of CARB's recommendations include avoiding siting sensitive receptors within: (a) 500 feet of a freeway, urban road with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day;<sup>2</sup> (b) 1,000 feet of a transport distribution center; and (c) 300 feet of any dry cleaning operation using perchloroethylene or within 500 feet of a dry cleaning operation with two or more machines. Recommendations provided by CARB are voluntary and do not constitute a requirement or mandate for either land use agencies or local air districts.

This health risk assessment (HRA) was prepared for the project, in accordance with the California Environmental Quality Act (CEQA), in light of the project site's proximity to I-15 and I-8. This HRA considers the cancer risk, and non-cancer chronic (i.e., of long duration) of TACs emitted by mobile sources on the adjacent freeways. The purpose of this analysis is twofold: (1) to evaluate the health risk impacts of TAC emissions from project-related vehicles travelling on the I-15 and I-8 freeways on on-site and off-site residential, worker, and non-residential sensitive receptors; and (2) to evaluate the health risk impacts of all vehicles (including project-related vehicles) travelling on the I-15 and I-8 freeways on sensitive receptors that would be located on the project site. Based on the description of "sensitive land use" set forth in the CARB Handbook and the project's proposed land uses, the new on-site residences, some of which will be located within 500 feet of a freeway, are the only sensitive land use on the project site.

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<sup>1</sup> CARB, *Air Quality and Land Use Handbook – A Community Health Perspective*, 2005. Available at: <http://www.arb.ca.gov/ch/handbook.pdf>. Accessed: July 2019.

<sup>2</sup> According to CARB, California freeway studies show an approximately 70 percent drop off in particulate pollution levels at 500 feet, and lifetime cancer risk from exposure to diesel particulate matter is expected to be lowered proportionately at that distance.

To calculate health risk impacts for comparison to standards of the San Diego Air Pollution Control District (SDAPCD), this analysis was developed using a methodology consistent with the current HRA guidance provided by California Office of Environmental Health Hazard Assessment (OEHHA).<sup>3</sup> Specifically, this HRA evaluated the excess lifetime cancer risk associated with diesel particulate matter (DPM) that would be emitted on the adjacent freeways. Air dispersion modeling of the DPM emissions from the freeways was performed and the results were used to:

- evaluate both cancer and non-cancer health impacts of DPM emissions from project-related vehicles travelling on the I-15 and I-8 freeways on on-site and off-site receptors, and
- evaluate cancer and non-cancer health impacts of DPM emissions from all vehicles (including project-related vehicles) travelling on the I-15 and I-8 freeways on sensitive land uses located on the project site.

## 1.1 Project Site and Description

The property comprising the project site is located in the northeast portion of the Mission Valley community within the City of San Diego. Specifically, the project site is situated south of Friars Road, west of I-15, north of I-8, and east of the existing Fenton Marketplace shopping center. It is approximately 5 miles from downtown San Diego and approximately 2.5 miles west of the existing SDSU main campus situated along I-8 within the College Area community of the City of San Diego.

The proposed project entails the acquisition, construction, and operation of a new 169-acre SDSU Mission Valley mixed-use campus, research park, and stadium to support SDSU's education, research, entrepreneurial, technology, and athletics programs that can no longer be accommodated at SDSU's existing 287-acre main campus. Specifically, the proposed project would include:

- A. approximately 84 acres of open space, including shared SDSU/community active and passive parks and recreation fields, the approximate 34-acre River Park, and pedestrian, hiking, and biking trails;
- B. approximately 1.6 million square feet of campus uses for education, research, entrepreneurial, and technology programs;
- C. construction of a new, multipurpose 35,000-capacity stadium and the corresponding demolition of the existing San Diego County Credit Union (SDCCU) Stadium (formerly, "Qualcomm Stadium");
- D. approximately 4,600 residential homes for student, faculty, staff, including market-rate, workforce, and affordable homes, in proximity to a vibrant university village atmosphere;
- E. two hotels with approximately 400 hotel rooms to support campus visitors and stadium-related events, provide additional conference facilities, and provide economic opportunities for graduate and undergraduate students in SDSU's hospitality and tourism management program;

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<sup>3</sup> OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available at: [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.



- F. approximately 95,000 square feet of community-serving retail space to support campus, stadium, and related facilities;
- G. trolley/transit opportunities to minimize vehicular traffic use by using the existing underutilized Metropolitan Transit System's Green Line transit station, accommodating the planned Purple Line transit station, and providing an enhanced pedestrian connection to the existing light rail transit center; and
- H. associated infrastructure, utilities, facilities, and other amenities.

The new SDSU Mission Valley Campus Master Plan would accommodate up to 15,000 full-time equivalent students (FTES) over time, resulting in a total student headcount of approximately 20,000 students and resulting in approximately 1,900 total faculty and staff.

## 1.2 Regulatory Background

OEHHA's Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments<sup>4</sup> (OEHHA Guidance Manual) is considered the most current and comprehensive set of methodological guidelines in California for conducting HRAs. While SDAPCD has currently not published any guidelines or protocols for evaluating the health risk impacts of major roadways on adjacent land uses, SDAPCD's Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRA Supplemental Guidelines)<sup>5</sup> add to the OEHHA Guidance Manual by addressing the specific modeling and user default options for the risk evaluation incorporated into the Hot Spots Analysis and Reporting Program (HARP) developed by CARB, OEHHA, and the California Air Pollution Control Officers Association (CAPCOA). Further, SDAPCD's Rule 1210 (Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction), which applies to stationary sources, establishes public notification thresholds for incremental cancer and non-cancer health impacts. As stated in the SDAPCD's HRA Supplemental Guidelines, the SDAPCD has established public health risk notification requirements under Rule 1210,<sup>6</sup> which include a maximum incremental cancer risk of 10 in a million or greater, cancer burden of equal to or greater than 1.0, and incremental chronic/acute hazards indices of 1.0 or greater. This SDAPCD guidance establishes procedures for evaluating health risks at on- and off-site receptors. Ramboll US Corporation (Ramboll) used these guidelines and thresholds as a basis for preparing this HRA.

Whether CEQA requires an assessment of the environment's impacts on a project (i.e., the air quality impacts of the existing potential air quality hazards from freeways adjacent to proposed residential development projects) was reviewed by the California Supreme Court (*California Building Industry Association v. Bay Area Air Quality Management District* [2015]).<sup>7</sup> The Court found that, "In light of CEQA's text, statutory structure, and purpose, we

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<sup>4</sup> Ibid.

<sup>5</sup> SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: [https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics\\_Program/APCD\\_Hot\\_Spots\\_Supplemental\\_Guidelines.pdf](https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf). Accessed: April 2019.

<sup>6</sup> SDAPCD. 2018. Rule 1210. Toxic Air Contaminant Public Health Risks – Public Notification and Risk Reduction. July. Available at: [https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules\\_and\\_Regulations/Toxic\\_Air\\_Cotaminants/APCD\\_R1210.pdf](https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf). Accessed: July 2019.

<sup>7</sup> *California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369. Available at: <http://www.courts.ca.gov/opinions/archive/S213478.PDF>. Accessed: July 2019.

conclude that agencies subject to CEQA generally are not required to analyze the impact of existing environmental conditions on a project's future users or residents. But when a proposed project risks exacerbating those environmental hazards or conditions that already exist, an agency must analyze the potential impact of such hazards on future residents or users. In those specific instances, it is the *project's* impact on the environment – and not the *environment's* impact on the project – that compels an evaluation of how future residents or users could be affected by exacerbated conditions." (*California Building Industry Assn.*, *supra*, 62 Cal.4th at pp. 377-378.)

This HRA evaluates the significance of air emissions impacts, and specifically TAC emissions, from existing freeways adjacent to the project site because operation of the proposed project would result in additional vehicles traveling on those freeways. As such, this HRA reports the proposed project's incremental contribution of TAC emissions on the adjacent freeways and the corresponding health effects to on-site and off-site receptors. It also reports the impact of TAC emissions from existing freeways on sensitive land uses that are proposed to be located on the project site.

## 2. EMISSIONS ESTIMATION

This technical report evaluates health risk impacts associated with TACs emitted by on-road vehicles operating on the freeways adjacent to the project site. DPM is expected to account for the majority of cancer risk from on-road vehicles travelling on high-volume roadways, such as the I-15 and I-8.<sup>8</sup> Therefore, this report focuses on evaluating health impacts associated with DPM emissions. Based on California regulatory guidelines,<sup>9, 10</sup> DPM was used as a surrogate to calculate cancer and chronic impacts of diesel-fueled vehicle exhaust.

Emissions were calculated using traffic activity data for the freeway links adjacent to the project site. Sections of the I-15 and I-8 freeways that were within ¼ mile of the boundary of the proposed project were evaluated. Ramboll selected DPM emission factors from CARB's mobile source emission inventory model, EMFAC2017.<sup>11</sup> Ramboll combined these DPM emission factors with the traffic activity data to calculate DPM emissions for the 30-year residential exposure period (calculated to begin with the project buildout year of 2037 and conclude in the first quarter of 2067).

This technical report studies three scenarios: project, existing (2018) plus project, and horizon (2037) plus project. As defined for purposes of this HRA, the scenarios are:

- **Project Scenario:** Analyzes the health impacts of DPM emissions from project-related traffic travelling on the I-15 and I-8 freeway segments in the buildout year (2037). The impact is assessed for on-site resident and non-resident receptors, as well as off-site resident, worker, and sensitive receptors.
- **Existing Plus Project Scenario:** Analyzes the health impacts of DPM emissions from existing (calendar year 2018) traffic plus project-related traffic travelling on the I-15 and I-8 freeway segments. The impact is assessed for on-site resident and non-resident receptors.
- **Horizon Plus Project Scenario:** Analyzes the impacts of DPM emissions from all vehicles (including project-related traffic) travelling on the I-15 and I-8 freeway segments in calendar year 2037. The impact is assessed for on-site resident and non-resident receptors.

The follow sections describe the methodology used to obtain traffic activity data, develop emission factors, and calculate emissions. Consistent methodology and inputs were used for the three scenarios, except as noted below.

### 2.1 Traffic Activity Data

Ramboll used publicly available data from the California Department of Transportation (CalTrans) Performance Measurement System (PeMS)<sup>12</sup> to develop the traffic activity data

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<sup>8</sup> CARB. Overview: Diesel Exhaust & Health. Available at: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>. Accessed: July 2019.

<sup>9</sup> Cal/EPA. 1998. Findings of the Scientific Review Panel on the Report on Diesel Exhaust, as adopted at the Panel's April 22, 1998 meeting. Office of Environmental Health Hazard Assessment and Air Resources Board.

<sup>10</sup> Cal/EPA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Office of Environmental Health Hazard Assessment. February.

<sup>11</sup> EMFAC Emissions Database. Available at: <http://www.arb.ca.gov/emfac/>. Accessed: July 2019.

<sup>12</sup> CalTrans. 2018. California Department of Transportation Performance Measurement System (PeMS 18.0). <http://pems.dot.ca.gov/>. Accessed: July 2019.

for the portions of the I-15 and I-8 freeways that are modeled in this analysis. Average Daily Traffic (ADT) volumes, speed, and truck proportions data recorded at four PeMS stations located in the vicinity of the project site were downloaded. The ADT were obtained for the most recent 3-year data set available, and the speed and traffic proportions were obtained from the most recent year of hourly traffic data available from PeMS. **Figure 2** illustrates the location of the PeMS stations. As shown in **Table 2-1**, these stations were used to represent four traffic links, i.e., northbound I-15, southbound I-15, eastbound I-8, and westbound I-8, in the vicinity of the project site. Data downloaded from the PeMS website are presented in **Tables A-1-1** through **A-2-4** in **Appendix A**.

Review of the hourly variation in speed data (**Figure 3**) indicates that the speeds are lower for the northbound I-15 and westbound I-8 during the A.M. (5:00 to 10:00 A.M.), lower for the southbound I-15 and eastbound I-8 during the P.M. (2:00 to 7:00 P.M.), and higher for the four freeways during midday (10:00 A.M. to 2:00 P.M.) and nighttime (7:00 P.M. to 5:00 A.M.). Since emission factors vary with vehicle speed, Ramboll developed speed and traffic volume data for these four time periods separately. Emission factors also vary with vehicle type; therefore, traffic volumes were split into truck and non-truck vehicles using truck proportion data downloaded from PeMS.

A summary of the traffic activity data (volumes and speed) developed using PeMS traffic datasets are presented in **Table 2-2a**, **2-2b**, and **2-2c**, showing traffic activity for the project, existing (2018) plus project, and horizon (2037) plus project scenarios, respectively. Project traffic data was provided by the traffic consultant, Fehr & Peers. The horizon year traffic activity was calculated based on an annual growth factor of 1%, compounded over 19 years (2018 to 2037). This growth factor was provided by Fehr & Peers based on the San Diego Association of Governments (SANDAG) Series 13 Model, which is associated with the 2050 Regional Growth Forecast. Ramboll calculated average daily vehicle miles travelled (VMT) by truck and non-truck vehicles during A.M., midday, P.M., and nighttime periods as a product of traffic volumes and length of the traffic links. These VMT data are presented in **Table 2-3a**, **2-3b**, and **2-3c** for the project, existing plus project, and horizon (2037) plus project scenarios, respectively.

## 2.2 Emission Factors

As described earlier, Ramboll selected DPM emission factors from EMFAC2017. Based on the methodology described in Appendix D of the OEHHA Guidance Manual<sup>13</sup>, particulate matter with a diameter less than 10 microns (PM<sub>10</sub>) exhaust emissions from diesel vehicles were used as a proxy for DPM.

Two EMFAC2017 database queries were used to calculate DPM emission factors in grams per mile. The first query provided the VMT, while the second query generated the emission rates for each individual vehicle class and fuel type. The VMT for each vehicle class and fuel type are used to weight the individual emission rates and together these queries enable the calculation of VMT-weighted emission factors for each speed for truck and non-truck vehicles in 2037. Input parameters for each query are provided below.

- Inputs for EMFAC2017 Database Query 1

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<sup>13</sup> OEHHA. 2015. Appendix D of the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

- Data Type: Emissions
- Region: County, San Diego
- Calendar Year: 2037
- Season: Annual
- Vehicle Category: All EMFAC2007 Vehicle Classes (as allowed for in EMFAC2017)
- Model Year: Aggregated
- Speed: Aggregated
- Fuel: All
- Inputs for EMFAC2017 Database Query 2
  - Data Type: Emission Rates
  - Region: County, San Diego
  - Calendar Year: 2037
  - Season: Annual
  - Vehicle Category: All EMFAC2007 Vehicle Classes (as allowed for in EMFAC2017)
  - Model Year: Aggregated
  - Speed: Pick 50, 55, 60, 65, and 70
  - Fuel: Diesel

As seen in the inputs to the database queries, emission factors from EMFAC2017 were obtained for calendar year 2037. **Table A-3-1** and **A-3-2** in **Appendix A** present the outputs from these database queries. Emission factors for truck and non-truck vehicles for calendar year 2037 were calculated using a VMT weighted approach as described above and shown in **Tables A-4-1** and **A-4-2** in **Appendix A**. These emission factors were calculated at the speeds identified in the traffic activity data (**Tables 2-2a, 2-2b, and 2-2c**). **Table 2-4** presents a summary of the truck and non-truck vehicle emission factors for calendar year 2037.

### 2.3 Emission Calculations

DPM emissions from truck and non-truck vehicles travelling on the portions of the I-15 and I-8 freeways located in the vicinity of the project site were calculated as a product of the vehicle miles travelled on these freeways and the emission factors in grams per mile for the associated vehicle type and vehicle speed. The three modeled scenarios use the 2037 emission factors, which is consistent with the year assumed by the traffic data.

**Tables 2-5** and **2-6** present emission calculations for truck and non-truck vehicles travelling in the A.M., midday, P.M., and nighttime periods on the modeled traffic links for each scenario in calendar year 2037. **Table 2-7** presents a summary of daily DPM emissions associated with the modelled traffic links for each scenario in calendar year 2037.

For purposes of this analysis, we have conservatively assumed that DPM emissions in future years (2038 and beyond) will be the same as that in 2037. This is a conservative assumption

because emissions are anticipated to reduce into the future as vehicles and fuels become more efficient and thus cleaner.

### 3. AIR DISPERSION MODELING METHODOLOGY

Air dispersion modeling was performed to calculate the concentrations of DPM at the project site associated with exhaust emissions of traffic travelling on portions of the I-15 and I-8 freeways adjacent to the project site. The following sections describe the methodology used for modeling, including model selection, source characterization, meteorological data, land-use and terrain, and receptor placement.

#### 3.1 Model Selection

The AMS/EPA Regulatory Model Improvement Committee (AERMIC) Model (AERMOD) (Version 18081) was used to calculate concentrations of ambient air pollutants. AERMOD has been approved for use in various regulatory applications by the United States Environmental Protection Agency (USEPA), CARB, and SDAPCD. AERMOD uses mathematical equations to simulate the movement and dispersion of air contaminants in the atmosphere. This model incorporates multiple variables in its algorithms, including:

- Meteorological data representative of surface and upper air conditions;
- Local terrain data to account for elevation changes;
- Physical specification of emission sources and receptors including information such as:
  - Location;
  - Release height; and
  - Source dimensions.

The regulatory default option, urban, and period averaging were selected based the OEHHA Guidance Manual.<sup>14</sup> Dispersion model averaging times are specified based on the averaging times of ambient air quality standards and the air quality significance thresholds established by the appropriate regulatory agencies. For the HRA, the annual averaging time was used to evaluate chronic (long-term) health effects. Freeway emissions from diesel combustion were assumed to occur 24 hours per day, 7 days per week, and 365 days per year. Emissions were modeled using the  $\chi/Q$  ("chi over cue") method, such that each source group had unit emission rates (i.e., a total of 1 gram per second [g/s]) and the model calculated dispersion factors (with units of microgram per cubic meter [ $\mu\text{g}/\text{m}^3$ ]/[g/s]). The model output was used in a post-processing calculation with actual emission rates to calculate the DPM concentrations at each receptor (see Section 3.5 for additional information regarding receptors). The air dispersion model files are included electronically in **Appendix B**.

#### 3.2 Source Characterization

As previously discussed, this HRA evaluates portions of the northbound and southbound I-15, and eastbound and westbound I-8 freeways adjacent to the project area, within a quarter mile of the project boundary (**Figure 2**). Line (area) sources were used in the air dispersion model to represent emissions from truck and non-truck vehicles travelling on these freeways. **Table 3-1** summarizes the source parameters for the line sources. These

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<sup>14</sup> OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

source parameters were developed based on USEPA's Hotspot Conformity Guidance for Hotspot Analysis<sup>15</sup> and the USEPA AERMOD user guide.<sup>16</sup>

**Table 3-2** presents a list of sources that were created on each traffic link. A source group was created for each combination of traffic link, time period (A.M., midday, P.M., or nighttime) and vehicle type (truck or non-truck). As described earlier, modeling was done using the  $\chi/Q$  method and emission rates were set to 1 gram per second for each source group.

### 3.3 Meteorology

SDAPCD provides AERMOD model-ready meteorological data sets for use in health risk impact analyses. The project is located nearest to the Kearny Villa (KVR) meteorological station.<sup>17</sup> KVR was selected as the meteorological data set to analyze the project's impacts, based on that station's close geographic proximity to the project site and best representation of the area's meteorological conditions (such as prevailing winds), terrain, and surrounding land use. The SDAPCD meteorological data set for this station includes a 3-year time period from January 1, 2014 to December 31, 2016 to represent the potential variability in wind direction and wind speed. **Figure 4** depicts the location of the meteorological station with respect to the project site.

The wind rose in **Figure 5** shows the distribution of wind speeds and directions, which directly affect the dispersion of the air emissions. The "petals" of the wind rose indicate the direction from which the wind blows, and the colors represent the wind speed. The air dispersion model uses this data to evaluate how emissions are dispersed through the air.

### 3.4 Land-Use and Terrain Data

AERMOD offers the option of using either rural or urban dispersion characteristics. Based on the developed nature of the project area (the project is located on an infill site in the Mission Valley area), AERMOD was run using the urban modeling option and with population of 3,337,685 people for San Diego County.<sup>18</sup>

Data specifying terrain elevations of sources and receptors are imported into AERMOD using AERMAP. Elevations are based on National Elevation Datasets (NEDs) and consist of an array of regularly spaced points on a horizontal plane for which an elevation is specified. NEDs used in this analysis were obtained from the United States Geologic Survey.<sup>19</sup> Source elevation data for the I-15 and I-8 freeways are based on the ground-level elevations imported from the AERMOD Terrain Pre-Processor, AERMAP, and the freeway elevations obtained from Google Earth.

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<sup>15</sup> USEPA. 2015. Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas Appendix J: Additional Reference Information on Air Quality Models and Data Inputs. Available at: <https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf>. Accessed: July 2019.

<sup>16</sup> USEPA. User's Guide for the AMS/EPA Regulatory Model (AERMOD). Available at [https://www3.epa.gov/ttn/scram/models/aermod/aermod\\_userguide.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf). Accessed: July 2019.

<sup>17</sup> SDAPCD Meteorological Data for Kearny Villa obtained on September 24, 2018 from SDAPCD.

<sup>18</sup> United States Census Bureau San Diego County Population Estimate, July 1, 2017. Available at: <https://www.census.gov/quickfacts/fact/table/sandiegocountycalifornia,ca/PST045217>. Accessed: April 2019.

<sup>19</sup> Multi-Resolution Land Characteristics Consortium (MRLC) -National Land Cover Database. Available online at: <https://www.mrlc.gov/viewerjs/>. Accessed: July 2018.



### 3.5 Receptors

SDAPCD requires inclusion of sensitive receptors in a health risk analysis and identifies the following as sensitive receptors: residences, schools (grades Kindergarten through 12), day care centers, nursing homes, retirement homes, health clinics, and hospitals. Therefore, off-site sensitive receptor locations were identified within a one-quarter mile radius of the modeled freeway segments, based on databases as listed below.

- California Department of Education, California School Directory (<http://www.cde.ca.gov/re/sd>).
- California Community Care Licensing Division – licensed care facilities including adult residential facilities and daycares (<https://secure.dss.ca.gov/CareFacilitySearch/home/selecttype/>)
- California Health and Human Services Open Data portal (<https://data.chhs.ca.gov/>).

Databases were searched for all zip codes within the modeling domain. Based on the database search, four, non-residential sensitive receptors were identified within a one-quarter mile radius from the modeled freeway segments. The non-residential sensitive receptors identified are as follows:

- Healthcare Centers
  - A Better Solution in Home Care Inc.
  - Guardian Angel Home Care, Inc.
  - Renaissance Home Health
- Schools
  - Children’s Workshop

All off-site receptor locations are illustrated in **Figure 6**.

In order to evaluate health impacts to off-site sensitive receptors, and consistent with SDAPCD’s Supplemental HRA Guidelines, receptors within a one-quarter mile radius of the modeled I-8 and I-15 freeway segments were covered in a grid with 25-m by 25-m spacing receptors, except in areas without public access such as the right-of-way and the river, which would be inaccessible to the public.<sup>20</sup> Off-site grid receptors were classified as residential or worker, based on the current land use.<sup>21</sup> Receptor heights were assumed to be at ground-level based on the SDAPCD’s Supplemental HRA Guidelines.<sup>22</sup>

In addition, since the proposed project includes residential development, receptors located at proposed residences on the project site were modeled and classified as residential, while receptors located on land use planned to be non-residential were classified as workers (see **Figure 6**).

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<sup>20</sup> SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics “Hot Spots” Program Health Risk Assessments (HRAs). Available at: [https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics\\_Program/APCD\\_Hot\\_Spots\\_Supplemental\\_Guidelines.pdf](https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf). Accessed: April 2019.

<sup>21</sup> San Diego Association of Governments (SANDAG). 2016. Geographic Information System (GIS) Shapefile for 2016 land use. Available at: <http://rdw.sandag.org/Account/gisdtview?dir=Land%20Use>. Accessed: March 2019.

<sup>22</sup> See footnote 19.

## 4. HEALTH RISK ASSESSMENT

In this HRA, the chemicals of potential concern are associated with diesel exhaust, a complex mixture that includes hundreds of individual constituents identified by the State of California as known carcinogens. Under California regulatory guidelines,<sup>23</sup> DPM is used as a surrogate measure of carcinogen exposure for the mixture of chemicals that make up diesel exhaust as a whole. There is currently no acute non-cancer toxicity value available for DPM.

As stated earlier (**Section 2**), DPM is typically the main driver of cancer risk from freeways; furthermore, heavy-duty diesel trucks form the most significant source of DPM. As a result, DPM is the chemical of potential concern used in this analysis.

This HRA was performed to calculate cancer and non-cancer risks associated with the TAC (DPM) emissions from vehicles on freeways adjacent to the project site. The following sections describe the methodology used for estimating health risk impacts, particularly the exposure assessment, toxicity criteria, and equations estimating for the cancer and non-cancer risk impacts.

### 4.1 Exposure Assessment

The components of the exposure assessment include the identification of potentially exposed populations, the estimation of exposure point concentrations, the identification of exposure pathways, and the selection of exposure assumptions to quantify chemical intakes that may result from potential emissions. The exposure assessment step determines the quantity of contaminants people are exposed to during a specific time period. Ramboll used dispersion factors from AERMOD and emission rates to calculate the concentrations of DPM at each receptor. These steps are described in the following sub-sections.

#### 4.1.1 Identification of Potentially Exposed Populations

The potentially exposed populations considered in this HRA include residents and non-residents located within the proposed project boundary, and residents, worker, and non-residential sensitive receptors located within a quarter-mile of the modeled freeway segments. Refer to **Section 3.5** for further details of receptor placement.

#### 4.1.2 Estimation of Exposure Point Concentrations

Exposure point concentrations are the concentrations of each TAC to which an individual may be exposed at a given receptor location. The exposure point concentrations used to calculate cancer risks and chronic non-cancer hazard index (CHI) are the annual average concentrations of each TAC. TAC concentrations at each receptor location were calculated based on emissions estimation and air dispersion modeling as described in **Sections 2** and **3**, respectively.

#### 4.1.3 Exposure Pathways

The exposure pathways evaluated in this HRA were selected in accordance with the OEHHA Guidance Manual. The inhalation pathway must be evaluated for all chemicals. The OEHHA Guidance Manual also requires the evaluation of non-inhalation exposure pathways, referred

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<sup>23</sup> OEHHA. 2015. Appendix D of the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

to as a multi-pathway analysis, for specific chemicals. However, DPM exposure pathway is limited to inhalation. For DPM, the multi-pathway factor is 1.0.

#### 4.1.4 Exposure Assumptions

The exposure parameters used to calculate excess lifetime cancer risks (over a lifetime of 70 years) for all potentially exposed populations (resident, worker, and non-residential sensitive receptors) were obtained using the OEHHA Guidance Manual and are presented in **Table 4-1a** and **Table 4-1b**.<sup>24</sup>

As shown in **Table 4-1a**, the total exposure duration analyzed for residents and other sensitive receptors is 30 years, in accordance with the OEHHA Guidance Manual's default assumptions, and begins in the third trimester to accommodate the increased susceptibility of exposures in early life.<sup>25</sup> These exposure assumptions, designed to be protective of children younger than age 16, are assumed to be adequately protective of residents older than 30 years of age, including the elderly.

Under the OEHHA Guidance Manual, breathing rates change over time for different age groups for residential exposure. Following the SDAPCD's Supplemental HRA Guidelines, 95<sup>th</sup> percentile daily breathing rates for age groups less than 2 years old and 80<sup>th</sup> percentile daily breathing rates for age groups that are greater than or equal to 2 years old were used. Breathing rates were referenced from the SDAPCD's Supplemental HRA Guidelines.<sup>26</sup>

As shown in **Table 4-1a**, the age groups used for residential and non-residential sensitive receptors are third trimester, 0 to less than 2, 2 to less than 16, and 16 to less than 30. These age-specific breakouts are needed in order to use age sensitivity factors. Per the OEHHA Guidance Manual, age sensitivity factors (ASF) of 10 for ages less than 2 years, 3 for ages 2 years to 16 years, and 1 for ages 16 years or older were used in this analysis. These factors take into account increased sensitivity of children to carcinogens. To incorporate ASFs, cancer risks are weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to two years of age and by a factor of three for exposures that occur from two years through 15 years of age.<sup>27</sup> No weighting factor (i.e., an ASF of one, which is equivalent to no adjustment) is applied to ages 16 and older. For the residential exposure, the fraction of time spent at home is 100% for ages up to 16 years and 73% for ages greater than 16 years as referenced from OEHHA Guidance.

Exposure assumptions for a worker are provided in **Table 4-1b**. Based on the OEHHA Guidance Manual, a total exposure duration of 25 years that covers the age group of 16-41 years of age was used. There is no variation in the ASF or daily breathing rates in this age group. An exposure frequency value of 0.68, which is equivalent to working 5 days/week, 50

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<sup>24</sup> OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

<sup>25</sup> OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

<sup>26</sup> SDAPCD. 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: [https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics\\_Program/APCD\\_Hot\\_Spots\\_Supplemental\\_Guidelines.pdf](https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf). Accessed: April 2019.

<sup>27</sup> OEHHA. 2015. Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. February. Available online at [http://oehha.ca.gov/air/hot\\_spots/hotspots2015.html](http://oehha.ca.gov/air/hot_spots/hotspots2015.html). Accessed: July 2019.

weeks/year was chosen for this analysis; this value is consistent with the default assumptions for workers presented in the OEHHA Guidance Manual.

The toxicity values used in risk calculations are summarized in **Table 4-2**. These include a cancer potency factor, which is used to calculate the probability or risk of cancer associated with an estimated exposure, and acute, 8-hour and chronic Reference Exposure Levels (RELs), which are the concentration at which no adverse noncancer health effects are anticipated even in sensitive members of the general population, with infrequent one hour exposures, repeated 8-hour exposures over a significant fraction of a lifetime, or continuous exposure over a significant fraction of a lifetime, respectively. There is currently no 8-hour chronic or acute non-cancer toxicity value available for DPM.

## 4.2 Cancer Risk Calculations

Cancer risks impacts at receptors on the project site were calculated as the incremental probability that an individual will develop cancer over a 70-year lifetime as a direct result of exposure to DPM emitted by vehicles traveling on the freeways adjacent to the project site.<sup>28,29</sup> The calculated risk is expressed as the maximum number of new cases of cancer projected to occur in a population of one million people due to exposure to the cancer-causing substance over a 30-year residential period. As discussed above, the exposure factor assumptions and toxicity values used in risk calculations are summarized in **Tables 4-1a, 4-1b, and 4-2**.

The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). As DPM is the chemical of potential concern used in this analysis and its exposure pathway is inhalation only, non-inhalation pathways were not relevant to this HRA.

### **Residential and Non-Residential Sensitive Receptors**

As shown in **Table 4-1a**, combined exposure factor (CEF) was calculated for residential and non-residential sensitive receptors as:

$$CEF_{resident} = \frac{(\sum_{age\ groups} DBR * ASF * ED * FAH * EF)}{AT}$$

Where:

DBR	=	Daily Breathing Rate (liter per kilogram-day)
EF	=	Exposure Frequency (350 days/year)
ASF	=	Age Specific Factor
FAH	=	Fraction of Time at Home
ED	=	Exposure Duration (years), 30 years for residents
AT	=	Averaging Time for Lifetime Cancer Risk, 70 years

<sup>28</sup> USEPA. 1989. Risk Assessment Guidance for Superfund. Volume 1: Human Health Evaluation Manual (Part A). Interim Final. Office of Emergency and Remedial Response. EPA-540/1-89/002. Washington, DC. December. Available online at: <http://rais.ornl.gov/documents/HHEMA.pdf>. Accessed: July 2019.

<sup>29</sup> Cal/EPA. 2003. Air Toxics Hot Spots Program Risk Assessment Guidelines. August. Available at: <https://oehha.ca.gov/media/downloads/cnr/hrafinalnoapp.pdf>. Accessed: July 2019.

The following equation was used to calculate excess lifetime cancer risk from DPM at each modeled residential or non-residential sensitive receptor:

$$\text{Cancer Risk}_{\text{resident}} = C \times \text{CEF}_{\text{resident}} \times \text{CPF}$$

Where:

Cancer Risk	=	Lifetime Excess Cancer Risk from exposure to DPM (in a million)
C	=	Annual Average Air Concentration for DPM ( $\mu\text{g}/\text{m}^3$ ) output based on AERMOD dispersion factor and emission rate for each source
$\text{CEF}_{\text{resident}}$	=	Combined Exposure Factor for resident (L/kg-day)
CPF	=	Cancer Potency Factor for DPM ( $\text{mg}/\text{kg}/\text{day}$ ) <sup>-1</sup>

### **Worker Receptors**

A combined exposure factor (CEF) for workers was calculated in **Table 4-1b** as:

$$\text{CEF}_{\text{worker}} = \frac{\sum_{\text{age groups}} \text{DBR} * \text{ASF} * \text{ED} * \text{EF}}{\text{AT}}$$

Where:

DBR	=	Daily Breathing Rate (liter per kilogram-day)
EF	=	Exposure Frequency (250 days/year)
ASF	=	Age Sensitivity Factor
ED	=	Exposure Duration (years), 25 years for workers
AT	=	Averaging Time for Lifetime Cancer Risk, 70 years

For workers, the following equation was used to calculate excess lifetime cancer risk from DPM:

$$\text{Cancer Risk}_{\text{worker}} = C \times \text{CEF}_{\text{worker}} \times \text{CPF}$$

Where:

Cancer Risk	=	Lifetime Excess Cancer Risk from exposure to DPM (in a million)
C	=	Annual Average Air Concentration for DPM ( $\mu\text{g}/\text{m}^3$ ) output based on AERMOD dispersion factor and emission rate for each source
$\text{CEF}_{\text{worker}}$	=	Combined Exposure Factor for worker (L/kg-day)
CPF	=	Cancer Potency Factor for DPM ( $\text{mg}/\text{kg}/\text{day}$ ) <sup>-1</sup>

### **4.3 Non-Cancer Risk Calculations**

The potential for exposure to result in adverse chronic non-cancer effect is evaluated by comparing the annual average air concentration (which is equivalent to the average annual air concentration) of DPM to its non-cancer chronic reference exposure level (cREL) as shown below:

$$\text{CHI} = \frac{C}{\text{cREL}}$$

Where:

CHI = Chronic Hazard index

C = Annual average concentration of DPM ( $\mu\text{g}/\text{m}^3$ )  
based on AERMOD dispersion factor and emission rate for each source

cREL = Chronic non-cancer reference exposure level for DPM ( $\mu\text{g}/\text{m}^3$ ) available in  
**Table 4-2**

As mentioned earlier, DPM does not have an acute non-cancer toxicity value; therefore, the potential of exposure to acute health impacts was not assessed as part of this analysis.

## 5. RESULTS

The results of this HRA were compared to the SDAPCD thresholds of 10 in a million for cancer risk, and 1.0 for the chronic hazard index (CHI).

### Project Scenario

**Table C-1** in **Appendix C** provides the cancer risk and CHI associated with DPM emissions from project-related vehicles travelling on modeled sections of the I-15 and I-8 freeways at each modeled receptor. **Figure 7** shows the maximum exposed individual, located off-site and immediately east of the project's eastern boundary along I-15. **Table 5-1** presents a summary of the maximum cancer risk and maximum CHI for each receptor type (on-site and off-site residents, on-site non-residents, off-site workers, and non-residential sensitive receptors). As shown in **Table 5-1**, the maximum cancer risk is 1.9 in a million, which is well below the SDAPCD notification requirement of 10 in a million. Similarly, the maximum CHI is 0.0005, which is also well below the SDAPCD notification requirement of 1.0.

### Existing Plus Project Scenario

**Table C-2** in **Appendix C** provides the cancer risk and CHI associated with DPM emissions from the modeled sections of the I-15 and I-8 freeways for the existing plus project scenario at each modeled on-site receptor. **Table 5-2** presents a summary of the maximum cancer risk and maximum CHI at residential and non-residential receptors located on the project site, while **Figure 8** shows the location of the modeled receptors with these maximum impacts. As shown in **Table 5-2**, the maximum cancer risk is 7.7 in a million for the existing plus project scenario, which is less than the SDAPCD notification requirement of 10 in a million. Similarly, the maximum CHI is 0.004 for the existing plus project scenario, which is also below the SDAPCD notification requirement of 1.0.

### Horizon Plus Project Scenario

**Table C-3** in **Appendix C** provides the cancer risk and CHI associated with DPM emissions from the modeled sections of the I-15 and I-8 freeways for the horizon plus project scenario at each modeled on-site receptor. **Table 5-3** presents a summary of the maximum cancer risk and maximum CHI at residential and non-residential receptors located on the project site, while **Figure 9** shows the location of the modeled receptors with these maximum impacts. As shown in **Table 5-3**, the maximum cancer risk is 9.3 in a million for the horizon plus project scenario, which is less than the SDAPCD notification requirement of 10 in a million. Similarly, the maximum CHI is 0.004 for the horizon plus project Scenario, which is also below the SDAPCD notification requirement of 1.0.

### Uncertainties

This risk analysis includes the use of conservative exposure assumptions that likely overestimate actual exposure and risk. For the cancer risks, this analysis assumes that residents below the age of 16 years are exposed for 24 hours per day, 365 days per year at the same location. However, young residents usually leave their houses for school, shopping, vacation, etc. Further, it assumes that residents live in the same location for the entire 30-year exposure period; whereas, in reality, people often move periodically instead of living 30 years at the same location. In addition, the benefits of the project's Transportation Demand Management (TDM) Program are not incorporated into the traffic activity data described in Section 2.1; some reduction of freeway traffic due to the TDM Program would be

expected. As a result, reported risks are upper-bound calculations, and actual risks will likely be lower than reported.



## 6. CONCLUSION

In summary, this HRA demonstrates that:

- The cancer and non-cancer health impacts of the DPM emissions from project-related vehicles travelling on the modeled sections of the I-15 and I-8 freeways are below the SDAPCD public health risk notification requirements, and
- The cancer and non-cancer health impacts of the DPM emissions from vehicles travelling on the modeled sections of the I-15 and I-8 freeways on residential and non-residential receptors located on the project site, including those within 500 feet of the freeways, are below the SDAPCD public health risk notification requirements.

## 7. REFERENCES

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## **TABLES**

Table 2-1. Vehicle Detector Stations on the Freeways in the Vicinity of the Project Site  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

CalTrans PeMS Station ID <sup>1</sup>	Freeway	Direction	Station Description <sup>1</sup>
1117890	I-15N	Northbound	Mainline VDS 1117883 - NB 15 S/O FRIARS RD
1117931	I-15S	Southbound	Mainline VDS 1117931 - SB15 S/O FRIARS RD
1111549	I-8E	Eastbound	Mainline VDS 1111549 - 0.5 M E/O I-805
1122623	I-8W	Westbound	Mainline VDS 1122623 - 8 WB W/O 15 Loops

Notes:

<sup>1</sup> Stations in the vicinity of the Project site obtained from CalTrans PeMS 18.0. Available at: <http://pems.dot.ca.gov/>. Accessed: January 2019. See Figure 2 for locations of stations.

Abbreviations:

I-15 - Interstate-15

I-8 - Interstate-8

CalTrans - California Department of Transportation

PeMS - Performance Measurement System

SDSU - San Diego State University

VDS - vehicle detector stations

Table 2-2a. Summary of Traffic Volume and Speed Data for the Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	CalTrans PeMS Station ID <sup>1</sup>	Average Daily Traffic Volumes <sup>2</sup> (AADT)	Average Speed <sup>3</sup> (mph)	Traffic Proportion <sup>3,4</sup> (%)	Truck Traffic Proportion <sup>3,5</sup> (%)	Non-Truck Volumes <sup>6</sup>	Truck Volumes <sup>6</sup>
A.M.								
I-15N	I-15 Northbound	1117890	7,828	50	31%	4.6%	2,351	114
I-15S	I-15 Southbound	1117931	7,454	66	20%	2.3%	1,480	34
I-8E	I-8 Eastbound	1111549	1,662	67	15%	3.4%	237	8
I-8W	I-8 Westbound	1122623	1,915	57	31%	3.4%	566	20
Midday								
I-15N	I-15 Northbound	1117890	7,828	63	22%	5.2%	1,652	90
I-15S	I-15 Southbound	1117931	7,454	62	23%	2.8%	1,652	48
I-8E	I-8 Eastbound	1111549	1,662	64	24%	2.9%	381	12
I-8W	I-8 Westbound	1122623	1,915	66	25%	1.9%	472	9
P.M.								
I-15N	I-15 Northbound	1117890	7,828	65	28%	3.3%	2,102	73
I-15S	I-15 Southbound	1117931	7,454	58	32%	4.0%	2,296	96
I-8E	I-8 Eastbound	1111549	1,662	55	37%	2.5%	598	15
I-8W	I-8 Westbound	1122623	1,915	67	29%	1.7%	541	9
Nighttime								
I-15N	I-15 Northbound	1117890	7,828	67	18%	3.5%	1,396	51
I-15S	I-15 Southbound	1117931	7,454	68	25%	1.5%	1,820	27
I-8E	I-8 Eastbound	1111549	1,662	67	25%	2.7%	400	11
I-8W	I-8 Westbound	1122623	1,915	69	16%	1.0%	295	3

Notes:

<sup>1</sup> CalTrans PeMS stations on the freeways in the vicinity of the Project site are used to obtain traffic data for each modeled traffic link. See Figure 2 for locations of traffic links and CalTrans PeMS Stations.

<sup>2</sup> Annual average daily traffic volumes (AADT) for each traffic link are provided by Fehr & Peers.

<sup>3</sup> Average speed and traffic proportions are estimated for four time periods, A.M. (5 a.m.-10 a.m.), Midday (10 a.m.-2 p.m.), P.M. (2 p.m.-7 p.m.), and Nighttime (7 p.m.-5 a.m.) using the hourly traffic dataset for the most recent year downloaded from CalTrans PeMS 18.0. Tables A-2-1 through A-2-4 in Appendix A present these datasets.

<sup>4</sup> Traffic proportion is the ratio of traffic volumes in time period (A.M., midday, P.M., and nighttime) to total traffic volumes.

<sup>5</sup> Truck traffic proportion is the ratio of truck traffic volumes to total traffic volumes in time period (A.M., midday, P.M., and nighttime).

<sup>6</sup> Non-truck volumes and truck volumes for each time period are estimated using AADT and traffic proportions presented in this table.

Abbreviations:

- |                                                    |                                       |
|----------------------------------------------------|---------------------------------------|
| AADT - Annual average daily traffic                | mph - miles per hour                  |
| A.M. - Ante meridiem (before midday)               | PeMS - Performance Measurement System |
| CalTrans - California Department of Transportation | P.M. - Post meridiem (after midday)   |
| I-8 - Interstate-8                                 | SDSU - San Diego State University     |
| I-15 - Interstate-15                               |                                       |

Table 2-2b. Summary of Traffic Volume and Speed Data for Existing Plus Project Scenario  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	CalTrans PeMS Station ID <sup>1</sup>	Average Daily Traffic Volumes <sup>2</sup> (AADT)	Average Speed <sup>3</sup> (mph)	Traffic Proportion <sup>3,4</sup> (%)	Truck Traffic Proportion <sup>3,5</sup> (%)	Non-Truck Volumes <sup>6</sup>	Truck Volumes <sup>6</sup>
A.M.								
I-15N	I-15 Northbound	1117890	98,985	50	31%	4.6%	29,723	1,436
I-15S	I-15 Southbound	1117931	171,586	66	20%	2.3%	34,065	794
I-8E	I-8 Eastbound	1111549	133,502	67	15%	3.4%	19,067	670
I-8W	I-8 Westbound	1122623	105,511	57	31%	3.4%	31,166	1,100
Midday								
I-15N	I-15 Northbound	1117890	98,985	63	22%	5.2%	20,887	1,143
I-15S	I-15 Southbound	1117931	171,586	62	23%	2.8%	38,024	1,110
I-8E	I-8 Eastbound	1111549	133,502	64	24%	2.9%	30,590	928
I-8W	I-8 Westbound	1122623	105,511	66	25%	1.9%	26,033	508
P.M.								
I-15N	I-15 Northbound	1117890	98,985	65	28%	3.3%	26,578	921
I-15S	I-15 Southbound	1117931	171,586	58	32%	4.0%	52,856	2,216
I-8E	I-8 Eastbound	1111549	133,502	55	37%	2.5%	48,050	1,217
I-8W	I-8 Westbound	1122623	105,511	67	29%	1.7%	29,808	504
Nighttime								
I-15N	I-15 Northbound	1117890	98,985	67	18%	3.5%	17,656	641
I-15S	I-15 Southbound	1117931	171,586	68	25%	1.5%	41,893	628
I-8E	I-8 Eastbound	1111549	133,502	67	25%	2.7%	32,097	883
I-8W	I-8 Westbound	1122623	105,511	69	16%	1.0%	16,233	159

Notes:

<sup>1</sup> CalTrans PeMS stations on the freeways in the vicinity of the Project site are used to obtain traffic data for each modeled traffic link. See Figure 2 for locations of traffic links and CalTrans PeMS Stations.

<sup>2</sup> Annual average daily traffic volumes (AADT) for each traffic link are assumed to be the maximum AADT across most recent 3-year data set available on CalTrans PeMS 18.0 plus project traffic provided by Fehr & Peers. Tables A-1-1 through A-1-4 in Appendix A present these datasets downloaded from CalTrans PeMS 18.0.

<sup>3</sup> Average speed and traffic proportions are estimated for four time periods, A.M. (5 a.m.-10 a.m.), Midday (10 a.m.-2 p.m.), P.M. (2 p.m.-7 p.m.), and Nighttime (7 p.m.-5 a.m.), using the hourly traffic dataset for the most recent year downloaded from CalTrans PeMS 18.0. Tables A-2-1 through A-2-4 in Appendix A present these datasets.

<sup>4</sup> Traffic proportion is the ratio of traffic volumes in time period (A.M., midday, P.M., and nighttime) to total traffic volumes.

<sup>5</sup> Truck traffic proportion is the ratio of truck traffic volumes to total traffic volumes in time period (A.M., midday, P.M., and nighttime).

<sup>6</sup> Non-truck volumes and truck volumes for each time period are estimated using AADT and traffic proportions presented in this table.

Abbreviations:

AADT - Annual average daily traffic

A.M. - Ante meridiem (before midday)

CalTrans - California Department of Transportation

I-8 - Interstate-8

I-15 - Interstate-15

mph - miles per hour

PeMS - Performance Measurement System

P.M. - Post meridiem (after midday)

SDSU - San Diego State University

Table 2-2c. Summary of Traffic Volume and Speed Data for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	CalTrans PeMS Station ID <sup>1</sup>	Average Daily Traffic Volumes <sup>2</sup> (AADT)	Average Speed <sup>3</sup> (mph)	Traffic Proportion <sup>3,4</sup> (%)	Truck Traffic Proportion <sup>3,5</sup> (%)	Non-Truck Volumes <sup>6</sup>	Truck Volumes <sup>6</sup>
A.M.								
I-15N	I-15 Northbound	1117890	117,956	50	31%	4.6%	35,419	1,712
I-15S	I-15 Southbound	1117931	205,743	66	20%	2.3%	40,847	952
I-8E	I-8 Eastbound	1111549	160,939	67	15%	3.4%	22,986	808
I-8W	I-8 Westbound	1122623	127,070	57	31%	3.4%	37,534	1,324
Midday								
I-15N	I-15 Northbound	1117890	117,956	63	22%	5.2%	24,890	1,362
I-15S	I-15 Southbound	1117931	205,743	62	23%	2.8%	45,593	1,331
I-8E	I-8 Eastbound	1111549	160,939	64	24%	2.9%	36,877	1,118
I-8W	I-8 Westbound	1122623	127,070	66	25%	1.9%	31,353	612
P.M.								
I-15N	I-15 Northbound	1117890	117,956	65	28%	3.3%	31,672	1,097
I-15S	I-15 Southbound	1117931	205,743	58	32%	4.0%	63,378	2,657
I-8E	I-8 Eastbound	1111549	160,939	55	37%	2.5%	57,925	1,467
I-8W	I-8 Westbound	1122623	127,070	67	29%	1.7%	35,899	607
Nighttime								
I-15N	I-15 Northbound	1117890	117,956	67	18%	3.5%	21,039	764
I-15S	I-15 Southbound	1117931	205,743	68	25%	1.5%	50,232	753
I-8E	I-8 Eastbound	1111549	160,939	67	25%	2.7%	38,694	1,065
I-8W	I-8 Westbound	1122623	127,070	69	16%	1.0%	19,550	191

Notes:

<sup>1</sup> CalTrans PeMS stations on the freeways in the vicinity of the Project site are used to obtain traffic data for each modeled traffic link. See Figure 2 for locations of traffic links and CalTrans PeMS Stations.

<sup>2</sup> Annual average daily traffic volumes (AADT) for each traffic link are assumed to be the maximum AADT across most recent 3-year data set available on CalTrans PeMS 18.0, with a growth rate of 1% per year to the horizon year, plus project traffic provided by Fehr & Peers. Tables A-1-1 through A-1-4 in Appendix A present these datasets downloaded from CalTrans PeMS 18.0.

<sup>3</sup> Average speed and traffic proportions are estimated for four time periods, A.M. (5 a.m.-10 a.m.), Midday (10 a.m.-2 p.m.), P.M. (2 p.m.-7 p.m.), and Nighttime (7 p.m.-5 a.m.), using the hourly traffic dataset for the most recent year downloaded from CalTrans PeMS 18.0. Tables A-2-1 through A-2-4 in Appendix A present these datasets.

<sup>4</sup> Traffic proportion is the ratio of traffic volumes in time period (A.M., midday, P.M., and nighttime) to total traffic volumes.

<sup>5</sup> Truck traffic proportion is the ratio of truck traffic volumes to total traffic volumes in time period (A.M., midday, P.M., and nighttime).

<sup>6</sup> Non-truck volumes and truck volumes for each time period are estimated using AADT and traffic proportions presented in this table.

Abbreviations:

- |                                                    |                                       |
|----------------------------------------------------|---------------------------------------|
| AADT - Annual average daily traffic                | mph - miles per hour                  |
| A.M. - Ante meridiem (before midday)               | PeMS - Performance Measurement System |
| CalTrans - California Department of Transportation | P.M. - Post meridiem (after midday)   |
| I-8 - Interstate-8                                 | SDSU - San Diego State University     |
| I-15 - Interstate-15                               |                                       |



Table 2-3a. Vehicle Miles Traveled on Modeled Traffic Links for the Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	Traffic Link Length <sup>2</sup> (miles)	A.M.		Midday		P.M.		Nighttime		Daily Total VMT <sup>3</sup>
			Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	
I-15N	I-15 Northbound	0.85	1,991	96	1,399	77	1,780	62	1,183	43	6,630
I-15S	I-15 Southbound	0.86	1,274	30	1,422	42	1,976	83	1,566	23	6,415
I-8E	I-8 Eastbound	1.12	265	9	426	13	669	17	447	12	1,859
I-8W	I-8 Westbound	1.15	650	23	543	11	622	11	339	3	2,200

Notes:

<sup>1</sup> Figure 2 presents locations of modeled traffic links.

<sup>2</sup> Traffic link length measured on aerial.

<sup>3</sup> VMT are a product of traffic volumes from Table 2-2a and traffic link lengths presented in this table.

Abbreviations:

A.M. - Ante meridiem (before midday)

I-8 - Interstate-8

I-15 - Interstate-15

P.M. - Post meridiem (after midday)

SDSU - San Diego State University

VMT - vehicle miles traveled

Table 2-3b. Vehicle Miles Traveled on Modeled Traffic Links for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	Traffic Link Length <sup>2</sup> (miles)	A.M.		Midday		P.M.		Nighttime		Daily Total VMT <sup>3</sup>
			Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	
I-15N	I-15 Northbound	0.85	25,173	1,217	17,690	968	22,510	780	14,953	543	83,833
I-15S	I-15 Southbound	0.86	29,317	683	32,723	955	45,488	1,907	36,053	540	147,667
I-8E	I-8 Eastbound	1.12	21,326	750	34,214	1,037	53,742	1,361	35,900	988	149,318
I-8W	I-8 Westbound	1.15	35,807	1,263	29,910	584	34,247	579	18,651	182	121,223

Notes:

<sup>1</sup> Figure 2 presents locations of modeled traffic links.

<sup>2</sup> Traffic link length measured on aerial.

<sup>3</sup> VMT are a product of traffic volumes from Table 2-2b and traffic link lengths presented in this table.

Abbreviations:

A.M. - Ante meridiem (before midday)

I-8 - Interstate-8

I-15 - Interstate-15

P.M. - Post meridiem (after midday)

SDSU - San Diego State University

VMT - vehicle miles traveled

Table 2-3c. Vehicle Miles Traveled on Modeled Traffic Links for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	Traffic Link Length <sup>2</sup> (miles)	A.M.		Midday		P.M.		Nighttime		Daily Total VMT <sup>3</sup>
			Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	Non-Truck VMT <sup>3</sup>	Truck VMT <sup>3</sup>	
I-15N	I-15 Northbound	0.85	29,998	1,450	21,080	1,154	26,824	929	17,819	647	99,900
I-15S	I-15 Southbound	0.86	35,153	819	39,237	1,146	54,543	2,287	43,230	648	177,062
I-8E	I-8 Eastbound	1.12	25,709	904	41,246	1,251	64,787	1,640	43,278	1,191	180,005
I-8W	I-8 Westbound	1.15	43,123	1,522	36,022	703	41,245	697	22,462	220	145,993

Notes:

<sup>1</sup> Figure 2 presents locations of modeled traffic links.

<sup>2</sup> Traffic link length measured on aerial.

<sup>3</sup> VMT are a product of traffic volumes from Table 2-2c and traffic link lengths presented in this table.

Abbreviations:

A.M. - Ante meridiem (before midday)

I-8 - Interstate-8

I-15 - Interstate-15

P.M. - Post meridiem (after midday)

SDSU - San Diego State University

VMT - vehicle miles traveled

Table 2-4. Annual DPM Running Exhaust Emission Factors  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Speed	Diesel Particulate Matter Emission Factors <sup>1</sup> (grams/mile)											
	50 mph	55 mph	57 mph	58 mph	62 mph	63 mph	64 mph	65 mph	66 mph	67 mph	68 mph	69 mph
Trucks	0.0088	0.0107	0.0115	0.0120	0.0139	0.0144	0.0150	0.0155	0.0155	0.0155	0.0155	0.0155
Non-Truck Vehicles	0.00004	0.00005	0.00005	0.00005	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006

Notes:

<sup>1</sup> Emission factors for calendar year 2037 were estimated using EMFAC2017. Refer to Table A-4-1 and Table A-4-2 in Appendix A for further details on emission factors for truck and non-truck vehicles traveling in San Diego County during calendar year 2037.

Abbreviations:

mph - miles per hour

SDSU - San Diego State University

Table 2-5. DPM Emissions for Truck Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Scenario	Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	A.M.				Midday			
			Speed <sup>2</sup> (mph)	VM <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)	Speed <sup>2</sup> (mph)	VM <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)
Project	I-15N	I-15 Northbound	50	96	0.0088	0.9	63	77	0.0144	1.1
	I-15S	I-15 Southbound	66	30	0.0155	0.5	62	42	0.0139	0.6
	I-8E	I-8 Eastbound	67	9	0.0155	0.1	64	13	0.0150	0.2
	I-8W	I-8 Westbound	57	23	0.0115	0.3	66	11	0.0155	0.2
Existing Plus Project	I-15N	I-15 Northbound	50	1217	0.0088	10.8	63	968	0.0144	14.0
	I-15S	I-15 Southbound	66	683	0.0155	10.6	62	955	0.0139	13.3
	I-8E	I-8 Eastbound	67	750	0.0155	11.6	64	1037	0.0150	15.5
	I-8W	I-8 Westbound	57	1263	0.0115	14.6	66	584	0.0155	9.0
Horizon Plus Project	I-15N	I-15 Northbound	50	1450	0.0088	12.8	63	1154	0.0144	16.7
	I-15S	I-15 Southbound	66	819	0.0155	12.7	62	1146	0.0139	15.9
	I-8E	I-8 Eastbound	67	904	0.0155	14.0	64	1251	0.0150	18.7
	I-8W	I-8 Westbound	57	1522	0.0115	17.6	66	703	0.0155	10.9

Table 2-5. DPM Emissions for Truck Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Scenario	Traffic Link ID <sup>1</sup>	P.M.				Nighttime				Total Daily Truck DPM Emissions (g/day)	Total Daily Truck DPM Emissions (lb/day)
		Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)	Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)		
Project	I-15N	65	62	0.0155	1.0	67	43	0.0155	0.7	3.58	0.01
	I-15S	58	83	0.0120	1.0	68	23	0.0155	0.4	2.39	0.01
	I-8E	55	17	0.0107	0.2	67	12	0.0155	0.2	0.71	0.00
	I-8W	67	11	0.0155	0.2	69	3	0.0155	0.1	0.64	0.00
Existing Plus Project	I-15N	65	780	0.0155	12.1	67	543	0.0155	8.4	45.21	0.10
	I-15S	58	1,907	0.0120	22.9	68	540	0.0155	8.4	55.10	0.12
	I-8E	55	1,361	0.0107	14.5	67	988	0.0155	15.3	56.93	0.13
	I-8W	67	579	0.0155	9.0	69	182	0.0155	2.8	35.42	0.08
Horizon Plus Project	I-15N	65	929	0.0155	14.4	67	647	0.0155	10.0	53.88	0.12
	I-15S	58	2,287	0.0120	27.4	68	648	0.0155	10.0	66.07	0.15
	I-8E	55	1,640	0.0107	17.5	67	1,191	0.0155	18.4	68.63	0.15
	I-8W	67	697	0.0155	10.8	69	220	0.0155	3.4	42.66	0.09

Notes:

- <sup>1</sup> Figure 1 presents locations of modeled traffic links.
- <sup>2</sup> Data obtained from Table 2-2a, Table 2-2b, and Table 2-2c.
- <sup>3</sup> Data obtained from Table 2-3a, Table 2-3b, and Table 2-3c.
- <sup>4</sup> Data obtained from Table 2-4.
- <sup>5</sup> Emissions for each time period are a product of VMT and emission factor.

Abbreviations:

A.M. - Ante meridiem (before midday)	mph - miles per hour
DPM - diesel particulate matter	P.M. - Post meridiem (after midday)
g - gram	SDSU - San Diego State University
lb - pounds	VMT - vehicle miles traveled
mi - miles	

Table 2-6. DPM Emissions for Non-Truck Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Scenario	Traffic Link ID <sup>1</sup>	Traffic Link Description <sup>1</sup>	A.M.				Midday			
			Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)	Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)
Project	I-15N	I-15 Northbound	50	1,991	0.000044	0.1	63	1,399	0.000057	0.1
	I-15S	I-15 Southbound	66	1,274	0.000060	0.1	62	1,422	0.000056	0.1
	I-8E	I-8 Eastbound	67	265	0.000061	0.0	64	426	0.000058	0.0
	I-8W	I-8 Westbound	57	650	0.000050	0.0	66	543	0.000060	0.0
Existing Plus Project	I-15N	I-15 Northbound	50	25,173	0.000044	1.1	63	17,690	0.000057	1.0
	I-15S	I-15 Southbound	66	29,317	0.000060	1.8	62	32,723	0.000056	1.8
	I-8E	I-8 Eastbound	67	21,326	0.000061	1.3	64	34,214	0.000058	2.0
	I-8W	I-8 Westbound	57	35,807	0.000050	1.8	66	29,910	0.000060	1.8
Horizon Plus Project	I-15N	I-15 Northbound	50	29,998	0.000044	1.3	63	21,080	0.000057	1.2
	I-15S	I-15 Southbound	66	35,153	0.000060	2.1	62	39,237	0.000056	2.2
	I-8E	I-8 Eastbound	67	25,709	0.000061	1.6	64	41,246	0.000058	2.4
	I-8W	I-8 Westbound	57	43,123	0.000050	2.1	66	36,022	0.000060	2.2

Table 2-6. DPM Emissions for Non-Truck Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Scenario	Traffic Link ID <sup>1</sup>	P.M.				Nighttime				Total Daily Non-Truck Vehicle DPM Emissions (g/day)	Total Daily Non-Truck Vehicle DPM Emissions (lb/day)
		Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)	Speed <sup>2</sup> (mph)	VMT <sup>3</sup> (mi/day)	DPM Emission Factor <sup>4</sup> (g/mi)	DPM Emissions <sup>5</sup> (g/day)		
Project	I-15N	65	1,780	0.000060	0.1	67	1,183	0.00006	0.1	0.34	0.00076
	I-15S	58	1,976	0.000051	0.1	68	1,566	0.00006	0.1	0.35	0.00078
	I-8E	55	669	0.000048	0.0	67	447	0.00006	0.0	0.10	0.00022
	I-8W	67	622	0.000061	0.0	69	339	0.00006	0.0	0.12	0.00027
Existing Plus Project	I-15N	65	22,510	0.000060	1.3	67	14,953	0.00006	0.9	4.36	0.00962
	I-15S	58	45,488	0.000051	2.3	68	36,053	0.00006	2.2	8.10	0.01786
	I-8E	55	53,742	0.000048	2.6	67	35,900	0.00006	2.2	8.03	0.01770
	I-8W	67	34,247	0.000061	2.1	69	18,651	0.00006	1.2	6.81	0.01502
Horizon Plus Project	I-15N	65	26,824	0.000060	1.6	67	17,819	0.00006	1.1	5.20	0.01146
	I-15S	58	54,543	0.000051	2.8	68	43,230	0.00006	2.6	9.72	0.02142
	I-8E	55	64,787	0.000048	3.1	67	43,278	0.00006	2.6	9.68	0.02134
	I-8W	67	41,245	0.000061	2.5	69	22,462	0.00006	1.4	8.20	0.01809

Notes:

- <sup>1</sup> Figure 1 presents locations of modeled traffic links.
- <sup>2</sup> Data obtained from Table 2-2a, Table 2-2b, and Table 2-2c.
- <sup>3</sup> Data obtained from Table 2-3a, Table 2-3b, and Table 2-3c.
- <sup>4</sup> Data obtained from Table 2-4.
- <sup>5</sup> Emissions for each time period are a product of VMT and emission factor.

Abbreviations:

A.M. - Ante meridiem (before midday)      mph - miles per hour  
 DPM - diesel particulate matter              P.M. - Post meridiem (after midday)  
 g - gram                                                      SDSU - San Diego State University  
 lb - pounds                                                   VMT - vehicle miles traveled  
 mi - miles



Table 2-7. Summary of Total Daily DPM Emissions from All Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Scenario	DPM Emissions from Vehicles Travelling on Modeled Traffic Links (lb/day)		
	Trucks <sup>1</sup>	Non-Truck Vehicles <sup>2</sup>	Total <sup>3</sup>
Project	0.016	0.002	0.018
Existing Plus Project	0.425	0.060	0.485
Horizon Plus Project	0.510	0.072	0.582

Notes:

<sup>1</sup> Data obtained from Table 2-5.

<sup>2</sup> Data obtained from Table 2-6.

<sup>3</sup> Calculated as a sum of the emissions from trucks and non-truck vehicles.

Abbreviations:

DPM - diesel particulate matter

lb - pounds

SDSU - San Diego State University

Table 3-1. Source Parameters for Truck and Non-Truck Vehicles  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Source Parameter <sup>1</sup>	Non-Truck Exhaust	Truck Exhaust
Width (m)	Road Width <sup>2</sup>	
Initial Vertical Dimension <sup>3</sup> (m)	2.6	6.8
Initial Vertical Dispersion Coefficient <sup>4</sup> (m)	1.2	3.2
Release Height <sup>5</sup> (m)	1.3	3.4

Notes:

<sup>1</sup> Developed based on USEPA Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM<sub>2.5</sub> and PM<sub>10</sub> Nonattainment and Maintenance Areas Appendix J: Additional Reference Information on Air Quality Models and Data Inputs. Available at: <https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf>. Accessed: March 2019.

<sup>2</sup> Road width is estimated as a product of the number of lanes and the width of a lane (12 feet). I-15 southbound, I-8 eastbound, and I-8 westbound each have six lanes. I-15 northbound has four lanes.

<sup>3</sup> The initial vertical dimension for non-truck and truck exhaust is assumed to be equal to 1.7 times the vehicle heights (1.53 meters for non-trucks and 4 meters for trucks). Vehicles heights are based on the USEPA 2015 Conformity Guidance.

<sup>4</sup> The initial vertical dispersion coefficient is the initial vertical dimension divided by 2.15.

<sup>5</sup> Release height is half of the initial vertical dimension.

Abbreviations:

I-15 - Interstate-15

I-8 - Interstate-8

m - meters

SDSU - San Diego State University

USEPA - United States Environmental Protection Agency

Table 3-2. List of Modeled Sources and Source Groups  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Traffic Link ID	Traffic Link Description	Traffic Link Length (m)	Time Period <sup>1</sup>	Segment ID	Emission Type	Source ID <sup>2</sup>	Source Group <sup>3</sup>	Starting X Coordinate (UTM <sub>x</sub> )	Ending X Coordinate (UTM <sub>x</sub> )	Starting Y Coordinate (UTM <sub>y</sub> )	Ending Y Coordinate (UTM <sub>y</sub> )	Model Segment Length (m)	Traffic Link Width (m)	Area (m <sup>2</sup> )	Emission Rate <sup>4</sup> (g/s/m <sup>2</sup> )
I-15N	I-15 Northbound	1363	A.M.	1	Truck Exhaust	I15NAT1	I15NAT	489,518	3,626,637	489,324	3,627,330	719	15	10,525	5.01E-05
			A.M.		Non-Truck Exhaust	I15NAN1	I15NAN								
			Midday		Truck Exhaust	I15NMT1	I15NMT								
			Midday		Non-Truck Exhaust	I15NMN1	I15NMN								
			P.M.		Truck Exhaust	I15NPT1	I15NPT								
			P.M.		Non-Truck Exhaust	I15NPN1	I15NPN								
			Nighttime		Truck Exhaust	I15NNT1	I15NNT								
			Nighttime		Non-Truck Exhaust	I15NNN1	I15NNN								
			A.M.	2	Truck Exhaust	I15NAT2	I15NAT	489,324	3,627,330	489,301	3,627,455	127	15	1,864	5.01E-05
			A.M.		Non-Truck Exhaust	I15NAN2	I15NAN								
			Midday		Truck Exhaust	I15NMT2	I15NMT								
			Midday		Non-Truck Exhaust	I15NMN2	I15NMN								
			P.M.		Truck Exhaust	I15NPT2	I15NPT								
			P.M.		Non-Truck Exhaust	I15NPN2	I15NPN								
			Nighttime		Truck Exhaust	I15NNT2	I15NNT								
			Nighttime		Non-Truck Exhaust	I15NNN2	I15NNN								
			A.M.	3	Truck Exhaust	I15NAT3	I15NAT	489,301	3,627,455	489,297	3,627,592	137	15	1,999	5.01E-05
			A.M.		Non-Truck Exhaust	I15NAN3	I15NAN								
			Midday		Truck Exhaust	I15NMT3	I15NMT								
			Midday		Non-Truck Exhaust	I15NMN3	I15NMN								
			P.M.		Truck Exhaust	I15NPT3	I15NPT								
			P.M.		Non-Truck Exhaust	I15NPN3	I15NPN								
			Nighttime		Truck Exhaust	I15NNT3	I15NNT								
			Nighttime		Non-Truck Exhaust	I15NNN3	I15NNN								
A.M.	4	Truck Exhaust	I15NAT4	I15NAT	489,297	3,627,592	489,329	3,627,781	192	15	2,806	5.01E-05			
A.M.		Non-Truck Exhaust	I15NAN4	I15NAN											
Midday		Truck Exhaust	I15NMT4	I15NMT											
Midday		Non-Truck Exhaust	I15NMN4	I15NMN											
P.M.		Truck Exhaust	I15NPT4	I15NPT											
P.M.		Non-Truck Exhaust	I15NPN4	I15NPN											
Nighttime		Truck Exhaust	I15NNT4	I15NNT											
Nighttime		Non-Truck Exhaust	I15NNN4	I15NNN											
A.M.	5	Truck Exhaust	I15NAT5	I15NAT	489,329	3,627,781	489,386	3,627,960	188	15	2,751	5.01E-05			
A.M.		Non-Truck Exhaust	I15NAN5	I15NAN											
Midday		Truck Exhaust	I15NMT5	I15NMT											
Midday		Non-Truck Exhaust	I15NMN5	I15NMN											
P.M.		Truck Exhaust	I15NPT5	I15NPT											
P.M.		Non-Truck Exhaust	I15NPN5	I15NPN											
Nighttime		Truck Exhaust	I15NNT5	I15NNT											
Nighttime		Non-Truck Exhaust	I15NNN5	I15NNN											

Table 3-2. List of Modeled Sources and Source Groups  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID	Traffic Link Description	Traffic Link Length (m)	Time Period <sup>1</sup>	Segment ID	Emission Type	Source ID <sup>2</sup>	Source Group <sup>3</sup>	Starting X Coordinate (UTM <sub>x</sub> )	Ending X Coordinate (UTM <sub>x</sub> )	Starting Y Coordinate (UTM <sub>y</sub> )	Ending Y Coordinate (UTM <sub>y</sub> )	Model Segment Length (m)	Traffic Link Width (m)	Area (m <sup>2</sup> )	Emission Rate <sup>4</sup> (g/s/m <sup>2</sup> )
I-15S	I-15 Southbound	1385	A.M.	1	Truck Exhaust	I15SAT1	I15SAT	489,367	3,627,968	489,293	3,627,730	249	22	5,467	3.29E-05
			A.M.		Non-Truck Exhaust	I15SAN1	I15SAN								
			Midday		Truck Exhaust	I15SMT1	I15SMT								
			Midday		Non-Truck Exhaust	I15SMN1	I15SMN								
			P.M.		Truck Exhaust	I15SPT1	I15SPT								
			P.M.		Non-Truck Exhaust	I15SPN1	I15SPN								
			Nighttime		Truck Exhaust	I15SNT1	I15SNT								
			Nighttime		Non-Truck Exhaust	I15SNN1	I15SNN								
			A.M.	2	Truck Exhaust	I15SAT2	I15SAT	489,293	3,627,730	489,274	3,627,614	118	22	2,592	3.29E-05
			A.M.		Non-Truck Exhaust	I15SAN2	I15SAN								
			Midday		Truck Exhaust	I15SMT2	I15SMT								
			Midday		Non-Truck Exhaust	I15SMN2	I15SMN								
			P.M.		Truck Exhaust	I15SPT2	I15SPT								
			P.M.		Non-Truck Exhaust	I15SPN2	I15SPN								
			Nighttime		Truck Exhaust	I15SNT2	I15SNT								
			Nighttime		Non-Truck Exhaust	I15SNN2	I15SNN								
			A.M.	3	Truck Exhaust	I15SAT3	I15SAT	489,274	3,627,614	489,290	3,627,358	257	22	5,632	3.29E-05
			A.M.		Non-Truck Exhaust	I15SAN3	I15SAN								
			Midday		Truck Exhaust	I15SMT3	I15SMT								
			Midday		Non-Truck Exhaust	I15SMN3	I15SMN								
			P.M.		Truck Exhaust	I15SPT3	I15SPT								
			P.M.		Non-Truck Exhaust	I15SPN3	I15SPN								
			Nighttime		Truck Exhaust	I15SNT3	I15SNT								
			Nighttime		Non-Truck Exhaust	I15SNN3	I15SNN								
A.M.	4	Truck Exhaust	I15SAT4	I15SAT	489,290	3,627,358	489,495	3,626,625	761	22	16,700	3.29E-05			
A.M.		Non-Truck Exhaust	I15SAN4	I15SAN											
Midday		Truck Exhaust	I15SMT4	I15SMT											
Midday		Non-Truck Exhaust	I15SMN4	I15SMN											
P.M.		Truck Exhaust	I15SPT4	I15SPT											
P.M.		Non-Truck Exhaust	I15SPN4	I15SPN											
Nighttime		Truck Exhaust	I15SNT4	I15SNT											
Nighttime		Non-Truck Exhaust	I15SNN4	I15SNN											

Table 3-2. List of Modeled Sources and Source Groups  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID	Traffic Link Description	Traffic Link Length (m)	Time Period <sup>1</sup>	Segment ID	Emission Type	Source ID <sup>2</sup>	Source Group <sup>3</sup>	Starting X Coordinate (UTM <sub>x</sub> )	Ending X Coordinate (UTM <sub>x</sub> )	Starting Y Coordinate (UTM <sub>y</sub> )	Ending Y Coordinate (UTM <sub>y</sub> )	Model Segment Length (m)	Traffic Link Width (m)	Area (m <sup>2</sup> )	Emission Rate <sup>4</sup> (g/s/m <sup>2</sup> )
I-8E	I-8 Eastbound	1799.9	A.M.	1	Truck Exhaust	I8EAT1	I8EAT	488,002	3,626,127	488,765	3,626,609	902	22	19,798	2.53E-05
			A.M.		Non-Truck Exhaust	I8EAN1	I8EAN								
			Midday		Truck Exhaust	I8EMT1	I8EMT								
			Midday		Non-Truck Exhaust	I8EMN1	I8EMN								
			P.M.		Truck Exhaust	I8EPT1	I8EPT								
			P.M.		Non-Truck Exhaust	I8EPN1	I8EPN								
			Nighttime		Truck Exhaust	I8ENT1	I8ENT								
			Nighttime		Non-Truck Exhaust	I8ENN1	I8ENN								
			A.M.	2	Truck Exhaust	I8EAT2	I8EAT	488,765	3,626,609	488,889	3,626,670	139	22	3,043	2.53E-05
			A.M.		Non-Truck Exhaust	I8EAN2	I8EAN								
			Midday		Truck Exhaust	I8EMT2	I8EMT								
			Midday		Non-Truck Exhaust	I8EMN2	I8EMN								
			P.M.		Truck Exhaust	I8EPT2	I8EPT								
			P.M.		Non-Truck Exhaust	I8EPN2	I8EPN								
			Nighttime		Truck Exhaust	I8ENT2	I8ENT								
			Nighttime		Non-Truck Exhaust	I8ENN2	I8ENN								
			A.M.	3	Truck Exhaust	I8EAT3	I8EAT	488,889	3,626,670	489,026	3,626,713	143	22	3,148	2.53E-05
			A.M.		Non-Truck Exhaust	I8EAN3	I8EAN								
			Midday		Truck Exhaust	I8EMT3	I8EMT								
			Midday		Non-Truck Exhaust	I8EMN3	I8EMN								
			P.M.		Truck Exhaust	I8EPT3	I8EPT								
			P.M.		Non-Truck Exhaust	I8EPN3	I8EPN								
			Nighttime		Truck Exhaust	I8ENT3	I8ENT								
			Nighttime		Non-Truck Exhaust	I8ENN3	I8ENN								
			A.M.	4	Truck Exhaust	I8EAT4	I8EAT	489,026	3,626,713	489,163	3,626,737	139	22	3,041	2.53E-05
			A.M.		Non-Truck Exhaust	I8EAN4	I8EAN								
			Midday		Truck Exhaust	I8EMT4	I8EMT								
			Midday		Non-Truck Exhaust	I8EMN4	I8EMN								
			P.M.		Truck Exhaust	I8EPT4	I8EPT								
			P.M.		Non-Truck Exhaust	I8EPN4	I8EPN								
			Nighttime		Truck Exhaust	I8ENT4	I8ENT								
			Nighttime		Non-Truck Exhaust	I8ENN4	I8ENN								
			A.M.	5	Truck Exhaust	I8EAT5	I8EAT	489,163	3,626,737	489,640	3,626,745	477	22	10,470	2.53E-05
			A.M.		Non-Truck Exhaust	I8EAN5	I8EAN								
			Midday		Truck Exhaust	I8EMT5	I8EMT								
			Midday		Non-Truck Exhaust	I8EMN5	I8EMN								
			P.M.		Truck Exhaust	I8EPT5	I8EPT								
			P.M.		Non-Truck Exhaust	I8EPN5	I8EPN								
			Nighttime		Truck Exhaust	I8ENT5	I8ENT								
			Nighttime		Non-Truck Exhaust	I8ENN5	I8ENN								

Table 3-2. List of Modeled Sources and Source Groups  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID	Traffic Link Description	Traffic Link Length (m)	Time Period <sup>1</sup>	Segment ID	Emission Type	Source ID <sup>2</sup>	Source Group <sup>3</sup>	Starting X Coordinate (UTM <sub>x</sub> )	Ending X Coordinate (UTM <sub>x</sub> )	Starting Y Coordinate (UTM <sub>y</sub> )	Ending Y Coordinate (UTM <sub>y</sub> )	Model Segment Length (m)	Traffic Link Width (m)	Area (m <sup>2</sup> )	Emission Rate <sup>4</sup> (g/s/m <sup>2</sup> )
I-8W	I-8 Westbound	1849.3	A.M.	1	Truck Exhaust	I8WAT1	I8WAT	487,977	3,626,137	488,207	3,626,280	271	22	5,941	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN1	I8WAN								
			Midday		Truck Exhaust	I8WMT1	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN1	I8WMN								
			P.M.		Truck Exhaust	I8WPT1	I8WPT								
			P.M.		Non-Truck Exhaust	I8WPN1	I8WPN								
			Nighttime		Truck Exhaust	I8WNT1	I8WNT								
			Nighttime		Non-Truck Exhaust	I8WNN1	I8WNN								
			A.M.	2	Truck Exhaust	I8WAT2	I8WAT	488,207	3,626,280	488,428	3,626,431	268	22	5,875	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN2	I8WAN								
			Midday		Truck Exhaust	I8WMT2	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN2	I8WMN								
			P.M.		Truck Exhaust	I8WPT2	I8WPT								
			P.M.		Non-Truck Exhaust	I8WPN2	I8WPN								
			Nighttime		Truck Exhaust	I8WNT2	I8WNT								
			Nighttime		Non-Truck Exhaust	I8WNN2	I8WNN								
			A.M.	3	Truck Exhaust	I8WAT3	I8WAT	488,428	3,626,431	488,734	3,626,642	372	22	8,160	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN3	I8WAN								
			Midday		Truck Exhaust	I8WMT3	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN3	I8WMN								
			P.M.		Truck Exhaust	I8WPT3	I8WPT								
			P.M.		Non-Truck Exhaust	I8WPN3	I8WPN								
			Nighttime		Truck Exhaust	I8WNT3	I8WNT								
			Nighttime		Non-Truck Exhaust	I8WNN3	I8WNN								
A.M.	4	Truck Exhaust	I8WAT4	I8WAT	488,734	3,626,642	488,877	3,626,705	156	22	3,415	2.46E-05			
A.M.		Non-Truck Exhaust	I8WAN4	I8WAN											
Midday		Truck Exhaust	I8WMT4	I8WMT											
Midday		Non-Truck Exhaust	I8WMN4	I8WMN											
P.M.		Truck Exhaust	I8WPT4	I8WPT											
P.M.		Non-Truck Exhaust	I8WPN4	I8WPN											
Nighttime		Truck Exhaust	I8WNT4	I8WNT											
Nighttime		Non-Truck Exhaust	I8WNN4	I8WNN											

Table 3-2. List of Modeled Sources and Source Groups  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Traffic Link ID	Traffic Link Description	Traffic Link Length (m)	Time Period <sup>1</sup>	Segment ID	Emission Type	Source ID <sup>2</sup>	Source Group <sup>3</sup>	Starting X Coordinate (UTM <sub>x</sub> )	Ending X Coordinate (UTM <sub>x</sub> )	Starting Y Coordinate (UTM <sub>y</sub> )	Ending Y Coordinate (UTM <sub>y</sub> )	Model Segment Length (m)	Traffic Link Width (m)	Area (m <sup>2</sup> )	Emission Rate <sup>4</sup> (g/s/m <sup>2</sup> )
I-8W (Continued)	I-8 Westbound (Continued)	1849.3 (Continued)	A.M.	5	Truck Exhaust	I8WAT5	I8WAT	488,877	3,626,705	488,995	3,626,737	123	22	2,700	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN5	I8WAN								
			Midday		Truck Exhaust	I8WMT5	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN5	I8WMN								
			P.M.		Truck Exhaust	I8WPT5	I8WPT								
			P.M.		Non-Truck Exhaust	I8WPN5	I8WPN								
			Nighttime		Truck Exhaust	I8WNT5	I8WNT								
			Nighttime		Non-Truck Exhaust	I8WNN5	I8WNN								
			A.M.	6	Truck Exhaust	I8WAT6	I8WAT	488,995	3,626,737	489,116	3,626,758	122	22	2,681	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN6	I8WAN								
			Midday		Truck Exhaust	I8WMT6	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN6	I8WMN								
			P.M.		Truck Exhaust	I8WPT6	I8WPT								
			P.M.		Non-Truck Exhaust	I8WPN6	I8WPN								
			Nighttime		Truck Exhaust	I8WNT6	I8WNT								
			Nighttime		Non-Truck Exhaust	I8WNN6	I8WNN								
			A.M.	7	Truck Exhaust	I8WAT7	I8WAT	489,116	3,626,758	489,654	3,626,766	538	22	11,812	2.46E-05
			A.M.		Non-Truck Exhaust	I8WAN7	I8WAN								
			Midday		Truck Exhaust	I8WMT7	I8WMT								
			Midday		Non-Truck Exhaust	I8WMN7	I8WMN								
			P.M.		Truck Exhaust	I8WPT7	I8WPT								
P.M.	Non-Truck Exhaust	I8WPN7	I8WPN												
Nighttime	Truck Exhaust	I8WNT7	I8WNT												
Nighttime	Non-Truck Exhaust	I8WNN7	I8WNN												

Notes:

<sup>1</sup> Exhaust emissions were calculated for different time periods of the day. The time period represents hour of day as follows:

A.M. 5 a.m.-10 a.m.

Midday 10 a.m.-2 p.m.

P.M. 2 p.m.-7 p.m.

Nighttime 7 p.m.-5 a.m.

<sup>2</sup> Source IDs identify the freeway (I-15 or I-8), direction of travel (north or south), time period of traffic ("A", "M", "P", "N"), type of emission ("T" or "N"), and segment number. For example, I15NAT1 represents trucks travelling on segment 1 of I-15 northbound during the morning.

<sup>3</sup> Source groups are assigned based on representation of freeway, direction of travel, daytime or nighttime, and trucks or non-trucks.

<sup>4</sup> The emission rate is calculated as 1 g/s divided by the area of the traffic link.

Abbreviations:

g/s/m<sup>2</sup> - gram per second per square meter

I-8 - Interstate-8

I-15 - Interstate-15

SDSU - San Diego State University

UTM - Universal Transverse Mercator

Table 4-1a. Exposure Parameters for Cancer Risk Calculations (Residential and Non-Residential Sensitive Receptor)  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Calendar Year	Receptor Age Group	Exposure Parameters					
		Daily Breathing Rate <sup>1</sup> , DBR (L/kg-day)	Age Sensitivity Factor <sup>2</sup> , ASF	Exposure Duration <sup>2</sup> , ED (years)	Fraction of Time at Home <sup>1</sup> , FAH	Exposure Frequency <sup>2</sup> , EF	Averaging Time <sup>2</sup> , AT (years)
2037	Third Trimester	361	10	0.25	1	0.96	70
2037	0 - 2	1,090	10	0.75	1	0.96	70
2038	0 - 2	1,090	10	1	1	0.96	70
2039	0 - 2	1,090	10	0.25	1	0.96	70
2039	2 - 16	572	3	0.75	1	0.96	70
2040	2 - 16	572	3	1	1	0.96	70
2041	2 - 16	572	3	1	1	0.96	70
2042	2 - 16	572	3	1	1	0.96	70
2043	2 - 16	572	3	1	1	0.96	70
2044	2 - 16	572	3	1	1	0.96	70
2045	2 - 16	572	3	1	1	0.96	70
2046	2 - 16	572	3	1	1	0.96	70
2047	2 - 16	572	3	1	1	0.96	70
2048	2 - 16	572	3	1	1	0.96	70
2049	2 - 16	572	3	1	1	0.96	70
2050	2 - 16	572	3	1	1	0.96	70
2051	2 - 16	572	3	1	1	0.96	70
2052	2 - 16	572	3	1	1	0.96	70
2053	2 - 16	572	3	0.25	1	0.96	70
2053	16 - 30	261	1	0.75	0.73	0.96	70
2054	16 - 30	261	1	1	0.73	0.96	70
2055	16 - 30	261	1	1	0.73	0.96	70
2056	16 - 30	261	1	1	0.73	0.96	70
2057	16 - 30	261	1	1	0.73	0.96	70
2058	16 - 30	261	1	1	0.73	0.96	70
2059	16 - 30	261	1	1	0.73	0.96	70
2060	16 - 30	261	1	1	0.73	0.96	70
2061	16 - 30	261	1	1	0.73	0.96	70
2062	16 - 30	261	1	1	0.73	0.96	70
2063	16 - 30	261	1	1	0.73	0.96	70
2064	16 - 30	261	1	1	0.73	0.96	70
2065	16 - 30	261	1	1	0.73	0.96	70
2066	16 - 30	261	1	1	0.73	0.96	70
2067	16 - 30	261	1	0.25	0.73	0.96	70
Combined Exposure Factor For Residential and Non-Residential Sensitive Receptor <sup>3</sup>							676.6

Notes:

<sup>1</sup> The daily breathing rate and fraction of time at home are based upon SDAPCD Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: [https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics\\_Program/APCD\\_Hot\\_Spots\\_Supplemental\\_Guidelines.pdf](https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf). Accessed: March 2019.

<sup>2</sup> The age sensitivity factor, exposure duration, exposure frequency, and averaging time are obtained from OEHHA's 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments. Available at: <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>. Accessed: March 2019.

<sup>3</sup> The combined exposure factor for a residential and non-residential sensitive receptor is calculated as the following:

$$CEF = \frac{(\sum_{age\ groups} DBR * ASF * ED * FAH * EF)}{AT}$$

Abbreviations

ASF - age sensitivity factor  
 AT - averaging time  
 CEF - combined exposure factor  
 DBR - daily breathing rate  
 ED - exposure duration  
 EF - exposure frequency

FAH - fraction of time at home  
 kg - kilogram  
 L - liter  
 OEHHA - Office of Environmental Health Hazard Assessment  
 SDAPCD - San Diego Air Pollution Control District  
 SDSU - San Diego State University



Table 4-1b. Exposure Parameters for Cancer Risk Calculations (Worker)  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Calendar Year	Receptor Age Group	Exposure Parameters				
		Daily Breathing Rate <sup>1</sup> , DBR (L/kg-day)	Age Sensitivity Factor <sup>2</sup> , ASF	Exposure Duration <sup>2</sup> , ED (years)	Exposure Frequency <sup>2</sup> , EF	Averaging Time <sup>2</sup> , AT (years)
2037	16-41	230	1	1	0.68	70
2038	16-41	230	1	1	0.68	70
2039	16-41	230	1	1	0.68	70
2040	16-41	230	1	1	0.68	70
2041	16-41	230	1	1	0.68	70
2042	16-41	230	1	1	0.68	70
2043	16-41	230	1	1	0.68	70
2044	16-41	230	1	1	0.68	70
2045	16-41	230	1	1	0.68	70
2046	16-41	230	1	1	0.68	70
2047	16-41	230	1	1	0.68	70
2048	16-41	230	1	1	0.68	70
2049	16-41	230	1	1	0.68	70
2050	16-41	230	1	1	0.68	70
2051	16-41	230	1	1	0.68	70
2052	16-41	230	1	1	0.68	70
2053	16-41	230	1	1	0.68	70
2054	16-41	230	1	1	0.68	70
2055	16-41	230	1	1	0.68	70
2056	16-41	230	1	1	0.68	70
2057	16-41	230	1	1	0.68	70
2058	16-41	230	1	1	0.68	70
2059	16-41	230	1	1	0.68	70
2060	16-41	230	1	1	0.68	70
2061	16-41	230	1	1	0.68	70
Combined Exposure Factor For Worker <sup>3</sup>						56.26

Notes:

<sup>1</sup> The daily breathing rate is based upon SDAPCD Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs). Available at: [https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics\\_Program/APCD\\_Hot\\_Spots\\_Supplemental\\_Guidelines.pdf](https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_Hot_Spots_Supplemental_Guidelines.pdf). Accessed: March 2019.

<sup>2</sup> The exposure duration, exposure frequency, and averaging time are obtained from OEHHA's 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments. Available at: <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>. Accessed: March 2019.

<sup>3</sup> The combined exposure factor for a worker is calculated as the following:

$$CEF = \frac{(\sum_{age\ groups} DBR * ASF * ED * EF)}{AT}$$

Abbreviations

- |                                |                                                          |
|--------------------------------|----------------------------------------------------------|
| AST - age sensitivity factor   | kg - kilogram                                            |
| AT - averaging time            | L - liter                                                |
| CEF - combined exposure factor | OEHHA - Office of Environmental Health Hazard Assessment |
| DBR - daily breathing rate     | SDAPCD - San Diego Air Pollution Control District        |
| ED - exposure duration         | SDSU - San Diego State University                        |
| EF - exposure frequency        |                                                          |

Table 4-2. Toxicity Values Used to Calculate Health Impacts  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Toxic Air Contaminant	Cancer Potency Factor <sup>1</sup> (mg/kg-day) <sup>-1</sup>	Chronic Reference Exposure Level <sup>1</sup> (µg/m <sup>3</sup> )	8-Hour Chronic Reference Exposure Level <sup>1</sup> (µg/m <sup>3</sup> )	Acute Reference Exposure Level <sup>1</sup> (µg/m <sup>3</sup> )	Target Organs for Chronic Hazard Index <sup>2</sup>
DPM	1.1E+00	5.0E+00	-	-	Respiratory

Notes

<sup>1</sup> Obtained from the ARB's Table 1. Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. Available at: <https://www.arb.ca.gov/toxics/healthval/contable.pdf>. Accessed: March 2019.

<sup>2</sup> Obtained from the ARB's Table 4. OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs. Available at: <https://www.arb.ca.gov/toxics/healthval/totables.pdf>. Accessed: March 2019.

Abbreviations

(mg/kg-day)<sup>-1</sup> - per milligram per kilogram-day

µg/m<sup>3</sup> - micrograms per cubic meter

ARB - Air Resources Board

DPM - Diesel Particulate Matter

OEHHA - Office of Environmental Health Hazard Assessment

SDSU - San Diego State University

Table 5-1. Summary of Maximum Cancer Risk and Chronic Hazard Index for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor Type	Maximum Cancer Risk <sup>1</sup> (in a million)	Maximum Chronic Hazard Index <sup>2</sup>
On-Site Resident	0.4	0.0001
On-Site Non-Resident <sup>3</sup>	0.1	0.0002
Off-Site Resident	1.9	0.0005
Off-Site Worker	0.1	0.0003
Non-Residential Sensitive	0.3	0.0001
SDAPCD Notification Requirement <sup>4</sup>	10	1
Exceeds Threshold?	NO	NO

Notes:

<sup>1</sup> Maximum incremental cancer risks are calculated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.

<sup>2</sup> The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the annual average air concentration to the non-cancer chronic reference exposure level for each chemical.

<sup>3</sup> Exposure parameters for workers were used to calculate health impacts for the non-resident receptors on-site.

<sup>4</sup> SDAPCD Notification Requirements. Available at: [https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules\\_and\\_Regulations/Toxic\\_Air\\_Cotaminants/AP\\_CD\\_R1210.pdf](https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/AP_CD_R1210.pdf). Accessed: March 2019.

Abbreviations:

SDAPCD - San Diego Air Pollution Control District

SDSU - San Diego State University

Table 5-2. Summary of Maximum Cancer Risk and Chronic Hazard Index for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor Type	Maximum Cancer Risk <sup>1</sup> (in a million)	Maximum Chronic Hazard Index <sup>2</sup>
On-Site Resident	7.7	0.002
On-Site Non-Resident <sup>3</sup>	1.1	0.004
SDAPCD Notification Requirement <sup>4</sup>	10	1
Exceeds Threshold?	NO	NO

Notes:

<sup>1</sup> Maximum incremental cancer risks are calculated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.

<sup>2</sup> The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the annual average air concentration to the non-cancer chronic reference exposure level for each chemical.

<sup>3</sup> Exposure parameters for workers were used to calculate health impacts for the non-resident receptors on-site.

<sup>4</sup> SDAPCD Notification Requirements. Available at:  
[https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules\\_and\\_Regulations/Toxic\\_Air\\_Cotaminants/APCD\\_R1210.pdf](https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf). Accessed: March 2019.

Abbreviations:

SDAPCD - San Diego Air Pollution Control District

SDSU - San Diego State University

Table 5-3. Summary of Maximum Cancer Risk and Chronic Hazard Index for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor Type	Maximum Cancer Risk <sup>1</sup> (in a million)	Maximum Chronic Hazard Index <sup>2</sup>
On-Site Resident	9.3	0.002
On-Site Non-Resident <sup>3</sup>	1.3	0.004
SDAPCD Notification Requirement <sup>4</sup>	10	1
Exceeds Threshold?	NO	NO

Notes:

<sup>1</sup> Maximum incremental cancer risks are calculated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens.

<sup>2</sup> The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the annual average air concentration to the non-cancer chronic reference exposure level for each chemical.

<sup>3</sup> Exposure parameters for workers were used to calculate health impacts for the non-resident receptors on-site.

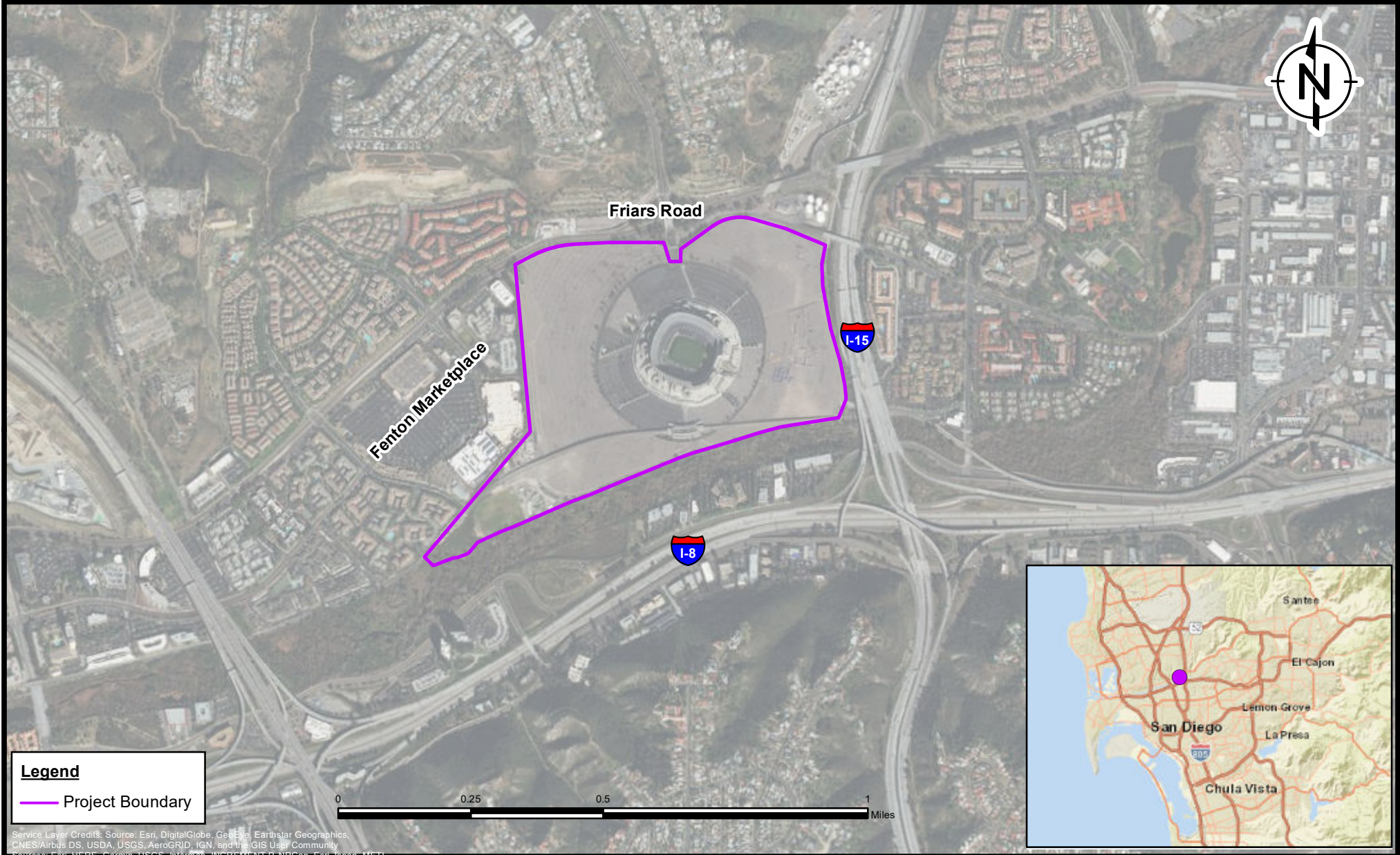
<sup>4</sup> SDAPCD Notification Requirements. Available at:  
[https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules\\_and\\_Regulations/Toxic\\_Air\\_Cotaminants/APCD\\_R1210.pdf](https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Toxic_Air_Cotaminants/APCD_R1210.pdf). Accessed: March 2019.

Abbreviations:

SDAPCD - San Diego Air Pollution Control District

SDSU - San Diego State University

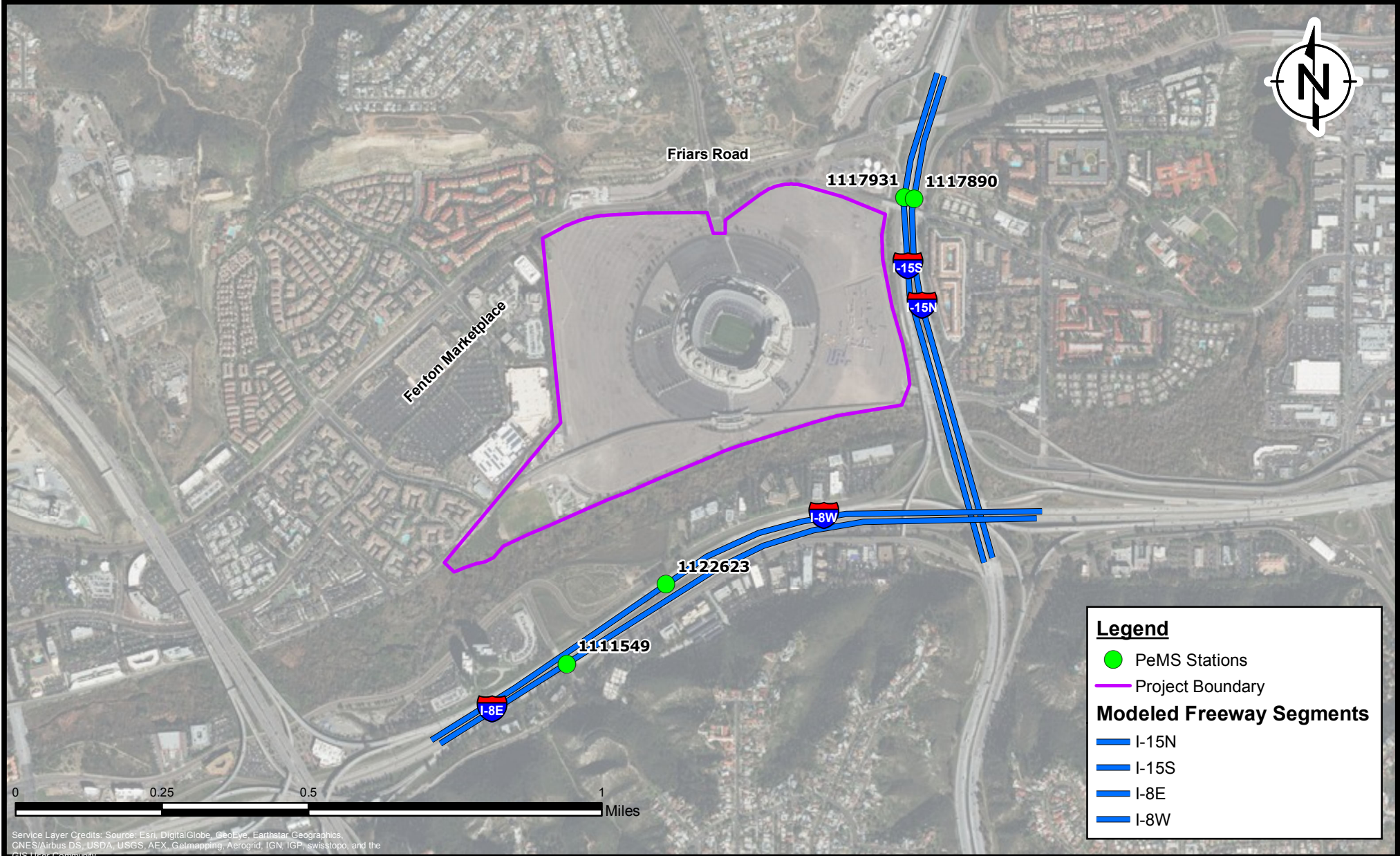
## **FIGURES**



### Project Site Location

SDSU Mission Valley Campus Master Plan Project  
San Diego, California

FIGURE  
**1**



### Modeled Road Segments Locations

SDSU Mission Valley Campus Master Plan Project  
San Diego, California

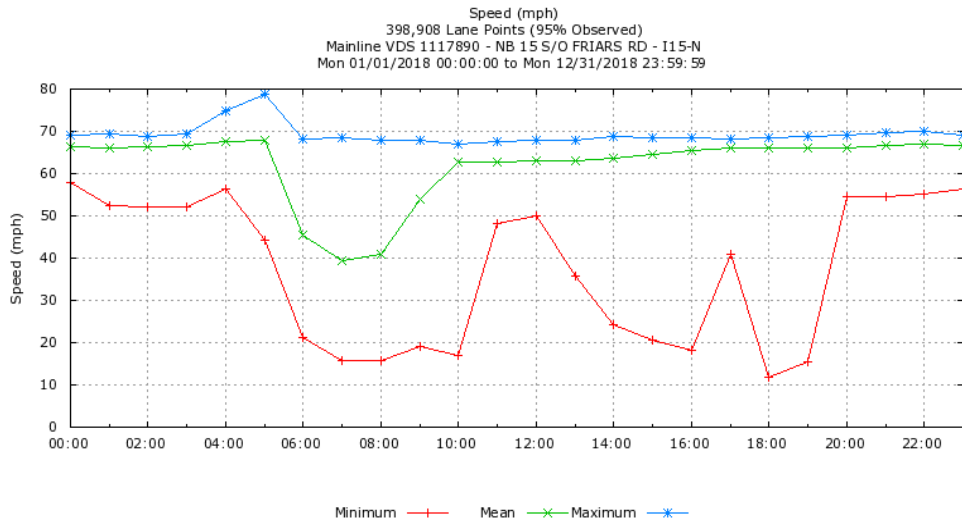
FIGURE  
2

DRAFTED BY:

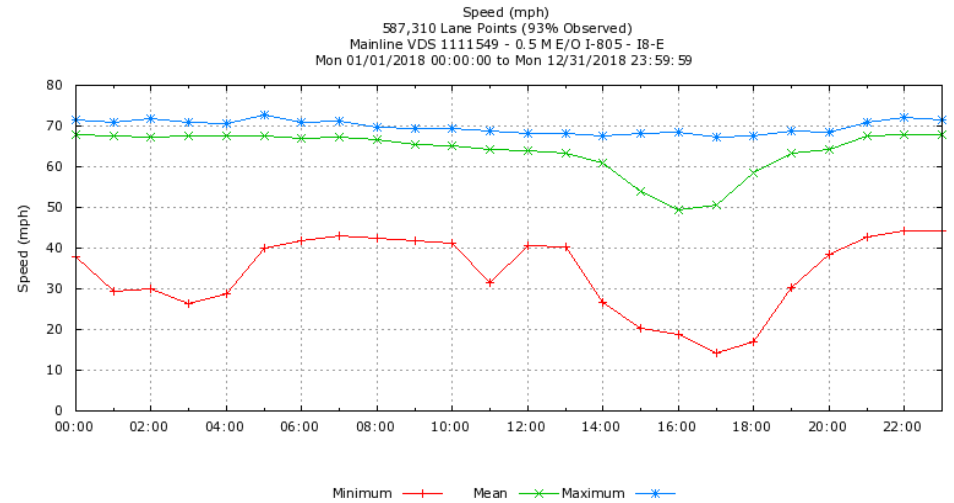
DATE: 6/4/2019

PROJECT: 169008171

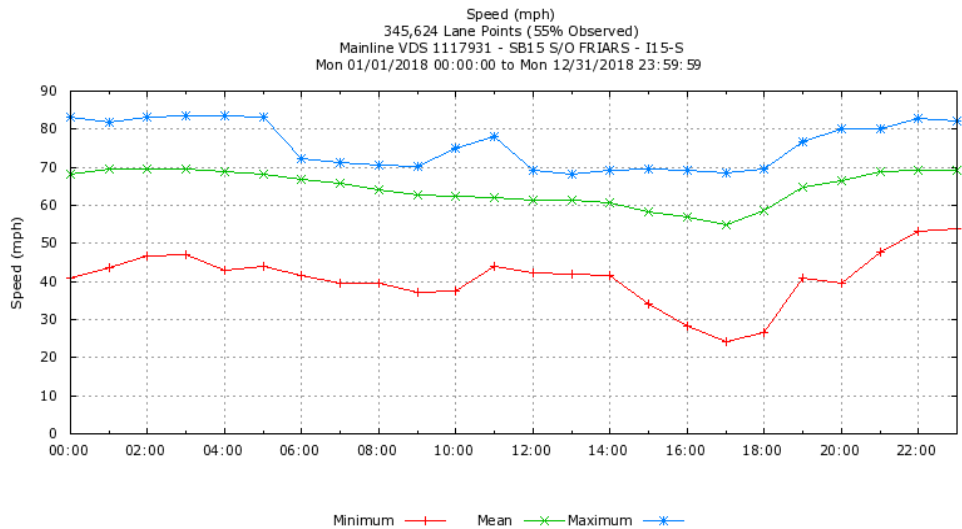




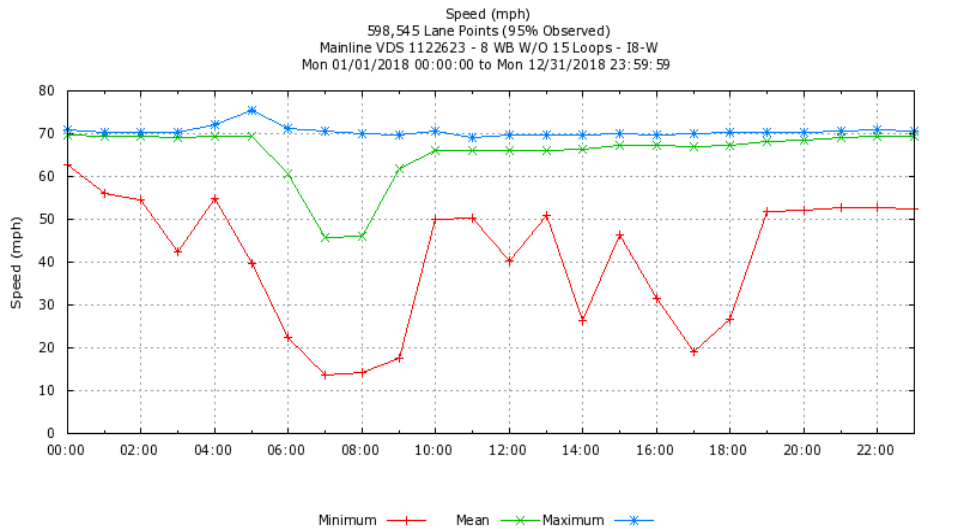
I-15N: Station ID #1117890



I-8E: Station ID #1111549



I-15S: Station ID #1117931



I-8W: Station ID #1122623

Credits: Source: <http://pems.dot.ca.gov/>



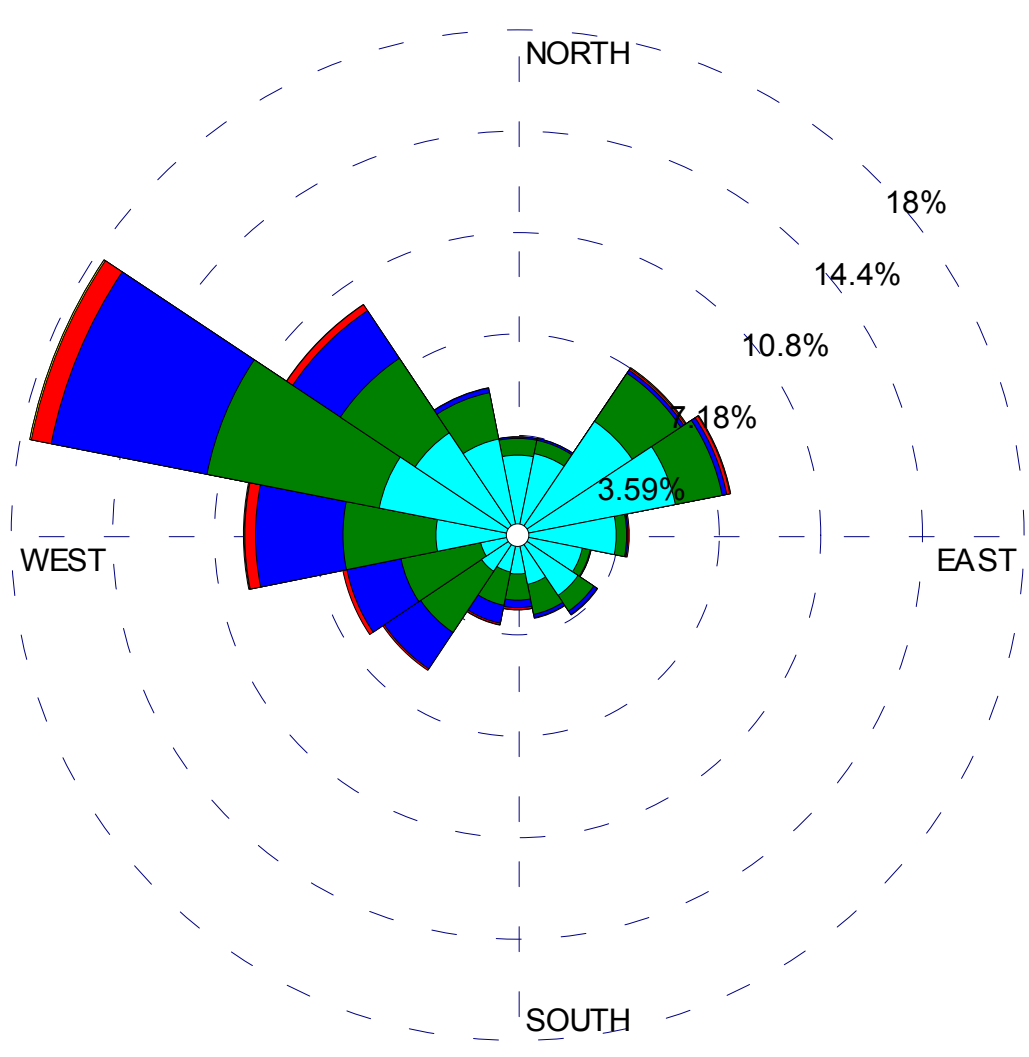
**Hourly Variations in Speed at  
CalTrans PeMS Stations**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Figure  
**3**

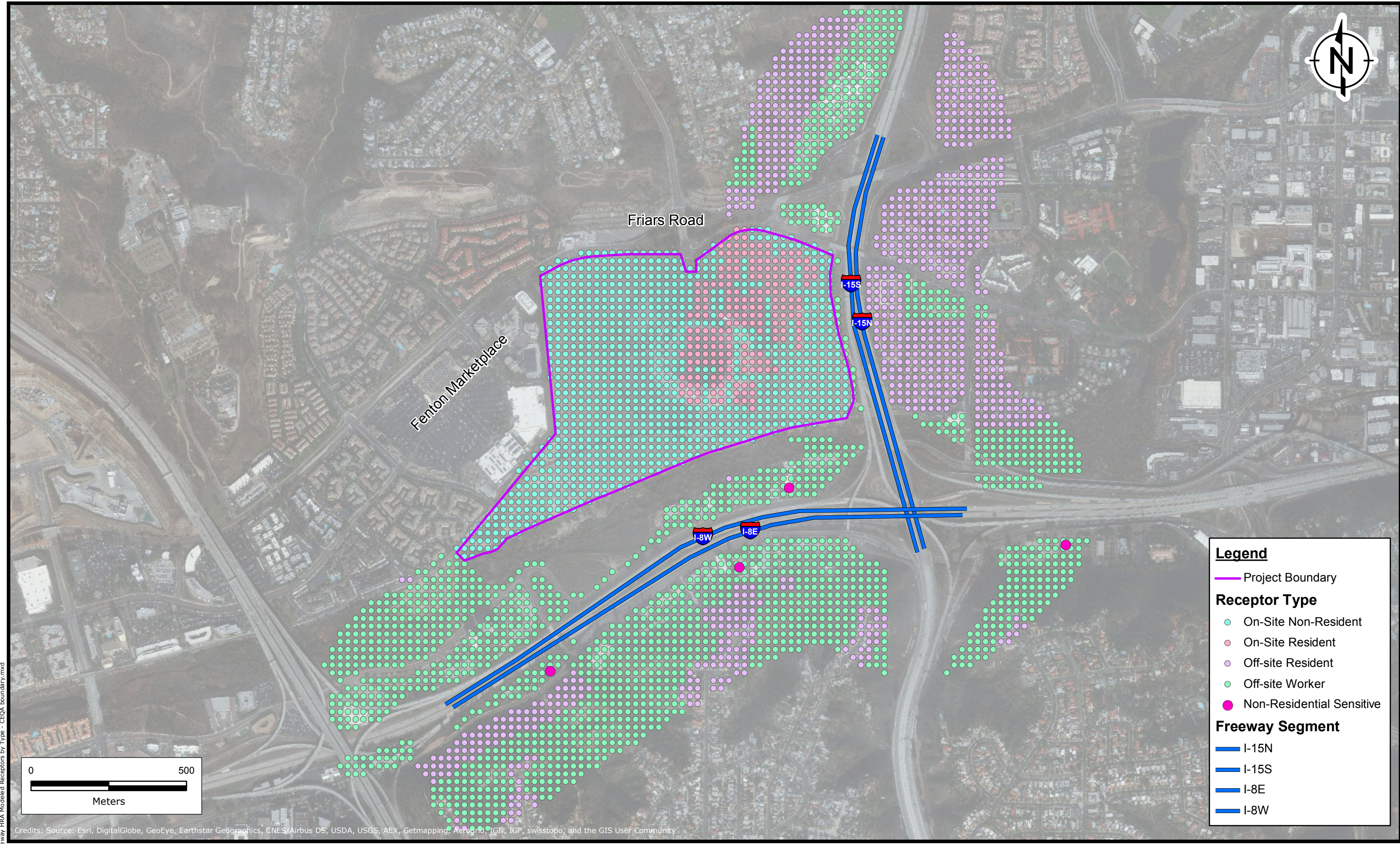


**Location of Meteorological Station**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

**FIGURE**  
**4**



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**Legend**

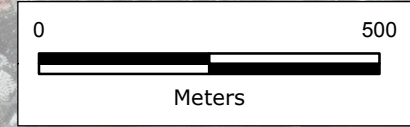
- Project Boundary

**Receptor Type**

- On-Site Non-Resident
- On-Site Resident
- Off-site Resident
- Off-site Worker
- Non-Residential Sensitive

**Freeway Segment**

- I-15N
- I-15S
- I-8E
- I-8W



Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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**Modeled Receptors  
Freeway HRA**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

FIGURE  
**6**

DRAFTED BY:      DATE: 6/4/2019

PROJECT: 1690008171





Friars Road





Fenton Marketplace

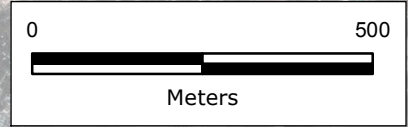
Cancer Risk (in a million) = 1.9  
Chronic Hazard Index = 0.0005

**Legend**

-  Maximum Exposed Individual
-  Project Boundary

**Freeway Segment**

-  I-15N
-  I-15S
-  I-8E
-  I-8W



Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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**Project Risk  
Freeway HRA**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

FIGURE  
7

DRAFTED BY: DATE: 6/4/2019

PROJECT: 1690008171

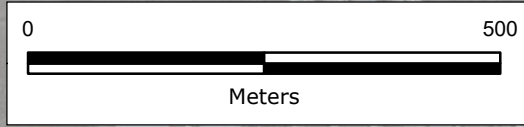


**Legend**

- Maximum Cancer Risk (in a million)
- Maximum Chronic Hazard Index
- Project Boundary

**Freeway Segment**

- I-15N
- I-15S
- I-8E
- I-8W



Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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**Existing Plus Project Risk  
Freeway HRA**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

FIGURE  
**8**

DRAFTED BY: DATE: 6/13/2019

PROJECT: 169008171

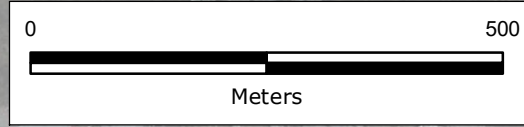


**Legend**

- Maximum Chronic Hazard Index
- Maximum Cancer Risk (in a million)
- Project Boundary

**Freeway Segment**

- I-15N
- I-15S
- I-8E
- I-8W



Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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**Horizon Plus Project Risk  
Freeway HRA**  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

FIGURE  
**9**

DRAFTED BY: DATE: 6/13/2019

PROJECT: 169008171

## **APPENDIX A**

### **EMISSION AND RISK CALCULATIONS**



## **LIST OF FILES**

## List of Tables

- A-1-1 Annual Average Daily Traffic Data at CalTrans PeMS Station 1117890 Located on Northbound I-15 Freeway
- A-1-2 Annual Average Daily Traffic Data at CalTrans PeMS Station 1117931 Located on Southbound I-15 Freeway
- A-1-3 Annual Average Daily Traffic Data at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway
- A-1-4 Annual Average Daily Traffic Data at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway
- A-2-1 Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890 Located on Northbound I-15 Freeway
- A-2-2 Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931 Located on Southbound I-15 Freeway
- A-2-3 Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway
- A-2-4 Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway
- A-3-1 EMFAC2017 Output for Vehicle Miles Traveled in San Diego County
- A-3-2 EMFAC2017 Output for PM10 Running Exhaust Emission Rates in San Diego County
- A-4-1 Estimation of DPM Running Exhaust Emission Factors for Trucks in 2037
- A-5-1 Estimation of DPM Running Exhaust Emission Factors for Non-Truck Vehicles in 2037

Table A-1-1. Annual Average Daily Traffic Data at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Starting Month	Freeway	VDS	Name	Type	Arithmetic Mean
7/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	82,155
8/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	82,170
9/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,983
10/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,668
11/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,406
12/01/2010 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,519
1/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,782
2/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,826
3/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,629
4/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,285
5/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,137
6/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	81,045
7/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	80,492
8/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	80,063
9/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	79,844
10/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	80,339
11/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	79,459
12/01/2011 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	84,271
1/01/2012 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	84,271
2/01/2012 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	84,271
3/01/2012 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	84,271
10/01/2016 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	86,141
11/01/2016 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	91,157
12/01/2016 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,510
1/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	88,007
2/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	87,580
3/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	88,195
4/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	88,411
5/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,017
6/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,289
7/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,370
8/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,309
9/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,826
10/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,838
11/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,871
12/01/2017 0:00:00	I15-N	1117890	NB 15 S-O FRIARS RD	Mainline	89,880

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnode=VDS&content=analysis&tab=aadt&station\\_id=1117890&s\\_time\\_id=1277942400&s\\_time\\_id\\_f=07%2F2010&e\\_time\\_id=1546387140&e\\_time\\_id\\_f=01%2F2019](http://pems.dot.ca.gov/?report_form=1&dnode=VDS&content=analysis&tab=aadt&station_id=1117890&s_time_id=1277942400&s_time_id_f=07%2F2010&e_time_id=1546387140&e_time_id_f=01%2F2019).  
 Accessed: January 2019.

Abbreviations:

SDSU - San Diego State University  
 VDS - vehicle detector station

Table A-1-2. Annual Average Daily Traffic Data at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Starting Month	Freeway	VDS	Name	Type	Arithmetic Mean
1/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	101,823
2/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	101,038
3/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	101,288
4/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	101,499
5/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	101,843
6/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	102,326
7/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	104,595
8/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,358
9/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	110,016
10/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	110,345
11/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	111,349
12/01/2015 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	113,561
1/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	115,677
2/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	120,677
3/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	125,742
4/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	135,014
5/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	158,447
6/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	164,132
7/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	133,050
8/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	114,096
9/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	108,664
10/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	108,935
11/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	109,142
12/01/2016 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	108,612
1/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,885
2/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,277
3/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,277
4/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,277
5/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,277
6/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	107,303
7/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	108,025
8/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	109,768
9/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	109,324
10/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	109,629
11/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	112,380
12/01/2017 0:00:00	I15-S	1117931	SB15 S-O FRIARS	Mainline	118,882

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnode=VDS&content=analysis&tab=aadt&station\\_id=1117931&s\\_time\\_id=1420070400&s\\_time\\_id\\_f=01%2F2015&e\\_time\\_id=1512172740&e\\_time\\_id\\_f=12%2F2017](http://pems.dot.ca.gov/?report_form=1&dnode=VDS&content=analysis&tab=aadt&station_id=1117931&s_time_id=1420070400&s_time_id_f=01%2F2015&e_time_id=1512172740&e_time_id_f=12%2F2017). Accessed: January 2019.

Abbreviations:

SDSU - San Diego State University  
 VDS - vehicle detector station

Table A-1-3. Annual Average Daily Traffic Data at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Starting Month	Freeway	VDS	Name	Type	Arithmetic Mean
1/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	119,618
2/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	119,618
3/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	116,298
4/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	113,988
5/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	112,151
6/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	112,570
7/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	111,896
8/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	111,896
9/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	102,916
10/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	95,447
11/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	95,447
12/01/2014 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	95,447
1/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	95,447
2/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	95,447
3/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	96,404
4/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	97,002
5/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	99,768
6/01/2015 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	99,768
7/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	131,840
8/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	120,477
9/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	121,833
10/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	122,001
11/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	122,382
12/01/2016 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	121,526
1/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	120,284
2/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	119,351
3/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,775
4/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,480
5/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,636
6/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,901
7/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,984
8/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,947
9/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,943
10/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,742
11/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,536
12/01/2017 0:00:00	I8-E	1111549	0.5 M E-O I-805	Mainline	118,348

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnode=VDS&content=analysis&tab=aadt&station\\_id=1111549&s\\_time\\_id=1388534400&s\\_time\\_id\\_f=01%2F2014&e\\_time\\_id=1546387140&e\\_time\\_id\\_f=01%2F2019](http://pems.dot.ca.gov/?report_form=1&dnode=VDS&content=analysis&tab=aadt&station_id=1111549&s_time_id=1388534400&s_time_id_f=01%2F2014&e_time_id=1546387140&e_time_id_f=01%2F2019). Accessed: January 2019.

Abbreviations:

SDSU - San Diego State University  
 VDS - vehicle detector station

Table A-1-4. Annual Average Daily Traffic Data at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Starting Month	Freeway	VDS	Name	Type	Arithmetic Mean
1/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,289
2/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,317
3/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,365
4/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,294
5/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,407
6/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,564
7/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,784
8/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	101,780
9/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,323
10/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,603
11/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,722
12/01/2015 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,919
1/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,095
2/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,519
3/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,432
4/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,501
5/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,531
6/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,546
7/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,596
8/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,461
9/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,401
10/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,123
11/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,138
12/01/2016 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,099
1/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,834
2/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,870
3/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	103,069
4/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,800
5/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,859
6/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,931
7/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,606
8/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,603
9/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,701
10/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,529
11/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,418
12/01/2017 0:00:00	I8-W	1122623	8 WB W-O 15 Loops	Mainline	102,398

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnode=VDS&content=analysis&tab=aadt&station\\_id=1122623&s\\_time\\_id=1420070400&s\\_time\\_id\\_f=01%2F2015&e\\_time\\_id=1546387140&e\\_time\\_id\\_f=01%2F2019](http://pems.dot.ca.gov/?report_form=1&dnode=VDS&content=analysis&tab=aadt&station_id=1122623&s_time_id=1420070400&s_time_id_f=01%2F2015&e_time_id=1546387140&e_time_id_f=01%2F2019)  
 9. Accessed: January 2019.

Abbreviations:

SDSU - San Diego State University  
 VDS - vehicle detector station

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/01/2018 0:00	66.90	1488	21	1.40
1/01/2018 1:00	66.90	1547	22	1.40
1/01/2018 2:00	66.90	1086	18	1.70
1/01/2018 3:00	66.90	703	7	1.00
1/01/2018 4:00	67.20	604	6	1.00
1/01/2018 5:00	66.20	717	17	2.40
1/01/2018 6:00	66.50	944	21	2.20
1/01/2018 7:00	66.50	1328	25	1.90
1/01/2018 8:00	65.60	1704	50	2.90
1/01/2018 9:00	66.60	2208	61	2.80
1/01/2018 10:00	66.80	2678	72	2.70
1/01/2018 11:00	66.20	3269	90	2.80
1/01/2018 12:00	64.70	3444	108	3.10
1/01/2018 13:00	66.30	3746	89	2.40
1/01/2018 14:00	66.10	3659	82	2.20
1/01/2018 15:00	65.60	3762	87	2.30
1/01/2018 16:00	65.90	3500	66	1.90
1/01/2018 17:00	63.50	3394	85	2.50
1/01/2018 18:00	63.40	3069	65	2.10
1/01/2018 19:00	63.90	2675	64	2.40
1/01/2018 20:00	64.30	2321	56	2.40
1/01/2018 21:00	66.80	1873	43	2.30
1/01/2018 22:00	66.00	1492	41	2.70
1/01/2018 23:00	66.50	1110	21	1.90
1/02/2018 0:00	66.80	770	16	2.10
1/02/2018 1:00	66.50	586	17	2.90
1/02/2018 2:00	67.20	533	16	3.00
1/02/2018 3:00	66.40	775	50	6.50
1/02/2018 4:00	69.70	1950	60	3.10
1/02/2018 5:00	69.10	5774	147	2.50
1/02/2018 6:00	63.50	7847	266	3.40
1/02/2018 7:00	64.60	7270	285	3.90
1/02/2018 8:00	64.20	5826	261	4.50
1/02/2018 9:00	63.80	5333	308	5.80
1/02/2018 10:00	62.90	4576	297	6.50
1/02/2018 11:00	62.70	4670	280	6.00
1/02/2018 12:00	63.40	4964	285	5.70
1/02/2018 13:00	63.40	5081	272	5.40
1/02/2018 14:00	64.00	5534	271	4.90
1/02/2018 15:00	65.40	5488	208	3.80
1/02/2018 16:00	66.20	5026	179	3.60
1/02/2018 17:00	65.20	4893	155	3.20
1/02/2018 18:00	65.30	3632	122	3.40
1/02/2018 19:00	67.20	2787	80	2.90
1/02/2018 20:00	66.40	2424	83	3.40
1/02/2018 21:00	66.10	2102	86	4.10
1/02/2018 22:00	66.10	1493	56	3.80
1/02/2018 23:00	66.70	1032	26	2.50
1/03/2018 0:00	66.00	681	34	5.00
1/03/2018 1:00	66.10	529	31	5.90
1/03/2018 2:00	67.00	489	20	4.10
1/03/2018 3:00	67.50	753	42	5.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/03/2018 4:00	69.00	2151	90	4.20
1/03/2018 5:00	68.60	5687	189	3.30
1/03/2018 6:00	54.10	7672	329	4.30
1/03/2018 7:00	29.60	6867	646	9.40
1/03/2018 8:00	55.40	6231	403	6.50
1/03/2018 9:00	64.50	5593	299	5.30
1/03/2018 10:00	63.40	4857	296	6.10
1/03/2018 11:00	63.60	4757	269	5.70
1/03/2018 12:00	62.60	5002	337	6.70
1/03/2018 13:00	63.80	5417	272	5.00
1/03/2018 14:00	65.40	5760	261	4.50
1/03/2018 15:00	65.80	5709	199	3.50
1/03/2018 16:00	65.30	5439	174	3.20
1/03/2018 17:00	64.20	5038	152	3.00
1/03/2018 18:00	64.70	3715	129	3.50
1/03/2018 19:00	66.40	2793	89	3.20
1/03/2018 20:00	66.70	2366	80	3.40
1/03/2018 21:00	66.70	1957	70	3.60
1/03/2018 22:00	66.70	1413	50	3.50
1/03/2018 23:00	66.60	1018	25	2.50
1/04/2018 0:00	66.40	628	25	4.00
1/04/2018 1:00	65.50	389	24	6.20
1/04/2018 2:00	66.90	488	22	4.50
1/04/2018 3:00	67.00	722	38	5.30
1/04/2018 4:00	67.60	2109	79	3.70
1/04/2018 5:00	68.10	5980	179	3.00
1/04/2018 6:00	35.10	7892	343	4.30
1/04/2018 7:00	26.20	7910	411	5.20
1/04/2018 8:00	27.50	7473	355	4.80
1/04/2018 9:00	54.80	5716	266	4.70
1/04/2018 10:00	63.40	4885	295	6.00
1/04/2018 11:00	63.90	4985	270	5.40
1/04/2018 12:00	63.50	5228	301	5.80
1/04/2018 13:00	64.30	5253	252	4.80
1/04/2018 14:00	65.10	5893	240	4.10
1/04/2018 15:00	65.20	5781	214	3.70
1/04/2018 16:00	67.40	5190	136	2.60
1/04/2018 17:00	66.10	4989	158	3.20
1/04/2018 18:00	65.80	3919	134	3.40
1/04/2018 19:00	66.90	2848	97	3.40
1/04/2018 20:00	67.50	2410	83	3.40
1/04/2018 21:00	67.20	2095	77	3.70
1/04/2018 22:00	67.20	1593	57	3.60
1/04/2018 23:00	66.50	1061	34	3.20
1/05/2018 0:00	66.30	719	31	4.30
1/05/2018 1:00	65.90	501	35	7.00
1/05/2018 2:00	66.30	563	39	6.90
1/05/2018 3:00	65.90	794	49	6.20
1/05/2018 4:00	67.70	2199	111	5.00
1/05/2018 5:00	68.20	5944	177	3.00
1/05/2018 6:00	44.20	8254	346	4.20
1/05/2018 7:00	30.70	8080	603	7.50



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/05/2018 8:00	57.50	6763	307	4.50
1/05/2018 9:00	63.80	5520	304	5.50
1/05/2018 10:00	63.70	4945	278	5.60
1/05/2018 11:00	63.00	5342	316	5.90
1/05/2018 12:00	63.40	5553	312	5.60
1/05/2018 13:00	47.90	4419	152	3.40
1/05/2018 14:00	61.30	5831	241	4.10
1/05/2018 15:00	65.30	5507	186	3.40
1/05/2018 16:00	66.10	5099	166	3.30
1/05/2018 17:00	64.30	4934	143	2.90
1/05/2018 18:00	65.50	3883	126	3.20
1/05/2018 19:00	67.00	3099	81	2.60
1/05/2018 20:00	67.40	2742	64	2.30
1/05/2018 21:00	67.30	2260	75	3.30
1/05/2018 22:00	67.20	1818	45	2.50
1/05/2018 23:00	66.30	1406	44	3.10
1/06/2018 0:00	65.30	895	35	3.90
1/06/2018 1:00	65.80	592	22	3.70
1/06/2018 2:00	66.70	633	24	3.80
1/06/2018 3:00	65.90	630	37	5.90
1/06/2018 4:00	66.50	1028	41	4.00
1/06/2018 5:00	67.30	1754	69	3.90
1/06/2018 6:00	67.30	2699	92	3.40
1/06/2018 7:00	66.30	3441	140	4.10
1/06/2018 8:00	65.80	3890	160	4.10
1/06/2018 9:00	66.60	4159	148	3.60
1/06/2018 10:00	65.30	4360	190	4.40
1/06/2018 11:00	65.90	4552	171	3.80
1/06/2018 12:00	66.00	4864	191	3.90
1/06/2018 13:00	66.90	4748	153	3.20
1/06/2018 14:00	67.50	4735	132	2.80
1/06/2018 15:00	67.50	4707	100	2.10
1/06/2018 16:00	66.80	4433	105	2.40
1/06/2018 17:00	65.50	4409	106	2.40
1/06/2018 18:00	66.10	3461	75	2.20
1/06/2018 19:00	66.50	2876	71	2.50
1/06/2018 20:00	67.20	2618	42	1.60
1/06/2018 21:00	67.80	2390	45	1.90
1/06/2018 22:00	67.60	2102	37	1.80
1/06/2018 23:00	67.10	1554	26	1.70
1/07/2018 0:00	67.60	1189	18	1.50
1/07/2018 1:00	66.90	875	11	1.30
1/07/2018 2:00	66.60	656	13	2.00
1/07/2018 3:00	66.50	510	14	2.70
1/07/2018 4:00	66.90	588	16	2.70
1/07/2018 5:00	66.90	958	25	2.60
1/07/2018 6:00	66.80	1531	49	3.20
1/07/2018 7:00	66.60	1953	63	3.20
1/07/2018 8:00	67.10	2484	70	2.80
1/07/2018 9:00	66.10	3156	95	3.00
1/07/2018 10:00	66.40	3652	91	2.50
1/07/2018 11:00	66.10	3849	109	2.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/07/2018 12:00	65.70	4112	110	2.70
1/07/2018 13:00	66.00	4534	121	2.70
1/07/2018 14:00	65.60	4298	104	2.40
1/07/2018 15:00	66.10	4116	99	2.40
1/07/2018 16:00	65.90	3969	92	2.30
1/07/2018 17:00	64.40	3769	91	2.40
1/07/2018 18:00	64.00	3271	75	2.30
1/07/2018 19:00	65.20	2743	65	2.40
1/07/2018 20:00	66.50	2292	50	2.20
1/07/2018 21:00	65.50	1934	55	2.80
1/07/2018 22:00	65.80	1345	32	2.40
1/07/2018 23:00	66.70	1001	19	1.90
1/08/2018 0:00	66.20	683	18	2.60
1/08/2018 1:00	65.90	526	9	1.70
1/08/2018 2:00	65.80	559	29	5.20
1/08/2018 3:00	66.00	888	34	3.80
1/08/2018 4:00	66.00	2256	80	3.50
1/08/2018 5:00	65.30	6186	165	2.70
1/08/2018 6:00	33.90	8003	194	2.40
1/08/2018 7:00	24.70	7784	403	5.20
1/08/2018 8:00	25.70	7456	385	5.20
1/08/2018 9:00	57.90	5532	274	5.00
1/08/2018 10:00	58.40	4850	331	6.80
1/08/2018 11:00	58.20	4568	327	7.20
1/08/2018 12:00	59.30	4697	302	6.40
1/08/2018 13:00	60.00	5177	280	5.40
1/08/2018 14:00	60.20	5720	244	4.30
1/08/2018 15:00	61.10	5869	208	3.50
1/08/2018 16:00	60.30	5368	171	3.20
1/08/2018 17:00	53.70	4729	172	3.60
1/08/2018 18:00	56.30	3155	119	3.80
1/08/2018 19:00	61.80	2500	92	3.70
1/08/2018 20:00	62.70	2061	77	3.70
1/08/2018 21:00	64.40	1883	82	4.40
1/08/2018 22:00	65.50	1249	45	3.60
1/08/2018 23:00	63.50	945	35	3.70
1/09/2018 0:00	63.30	535	17	3.20
1/09/2018 1:00	63.70	420	33	7.90
1/09/2018 2:00	64.70	451	25	5.50
1/09/2018 3:00	63.90	553	32	5.80
1/09/2018 4:00	60.30	1442	74	5.10
1/09/2018 5:00	62.10	3631	116	3.20
1/09/2018 6:00	57.90	5314	219	4.10
1/09/2018 7:00	27.30	6139	313	5.10
1/09/2018 8:00	20.80	6302	264	4.20
1/09/2018 9:00	22.10	6003	282	4.70
1/09/2018 10:00	56.20	4165	288	6.90
1/09/2018 11:00	61.50	4023	267	6.60
1/09/2018 12:00	63.30	4400	258	5.90
1/09/2018 13:00	63.80	4858	266	5.50
1/09/2018 14:00	63.70	5332	247	4.60
1/09/2018 15:00	61.40	5243	192	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/09/2018 16:00	59.20	4818	153	3.20
1/09/2018 17:00	53.60	4238	125	2.90
1/09/2018 18:00	58.30	3041	114	3.70
1/09/2018 19:00	61.60	2255	87	3.90
1/09/2018 20:00	60.30	1910	90	4.70
1/09/2018 21:00	61.50	1729	69	4.00
1/09/2018 22:00	63.70	1645	52	3.20
1/09/2018 23:00	65.60	850	25	2.90
1/10/2018 0:00	66.00	513	17	3.30
1/10/2018 1:00	65.40	357	24	6.70
1/10/2018 2:00	65.60	463	27	5.80
1/10/2018 3:00	65.70	753	49	6.50
1/10/2018 4:00	66.20	2086	66	3.20
1/10/2018 5:00	60.90	5877	193	3.30
1/10/2018 6:00	29.80	7128	246	3.50
1/10/2018 7:00	21.70	7049	333	4.70
1/10/2018 8:00	22.70	7039	335	4.80
1/10/2018 9:00	33.80	6035	428	7.10
1/10/2018 10:00	59.80	4619	308	6.70
1/10/2018 11:00	62.60	4513	273	6.00
1/10/2018 12:00	63.00	4717	280	5.90
1/10/2018 13:00	63.40	5250	298	5.70
1/10/2018 14:00	64.50	5840	274	4.70
1/10/2018 15:00	65.60	5767	212	3.70
1/10/2018 16:00	66.00	5490	190	3.50
1/10/2018 17:00	65.10	5180	162	3.10
1/10/2018 18:00	66.70	3670	104	2.80
1/10/2018 19:00	67.70	2788	105	3.80
1/10/2018 20:00	66.40	2350	97	4.10
1/10/2018 21:00	67.70	2020	67	3.30
1/10/2018 22:00	67.30	1344	47	3.50
1/10/2018 23:00	66.10	969	43	4.40
1/11/2018 0:00	66.40	608	24	3.90
1/11/2018 1:00	65.80	471	27	5.70
1/11/2018 2:00	66.20	487	35	7.20
1/11/2018 3:00	67.90	834	37	4.40
1/11/2018 4:00	68.00	2205	99	4.50
1/11/2018 5:00	68.10	6054	197	3.30
1/11/2018 6:00	32.50	7923	336	4.20
1/11/2018 7:00	26.60	7931	409	5.20
1/11/2018 8:00	24.90	7248	435	6.00
1/11/2018 9:00	42.20	6299	314	5.00
1/11/2018 10:00	63.10	4863	310	6.40
1/11/2018 11:00	63.00	4728	290	6.10
1/11/2018 12:00	62.70	5206	318	6.10
1/11/2018 13:00	64.20	5451	289	5.30
1/11/2018 14:00	64.40	6038	281	4.70
1/11/2018 15:00	66.10	5896	206	3.50
1/11/2018 16:00	66.70	5539	173	3.10
1/11/2018 17:00	65.70	4904	162	3.30
1/11/2018 18:00	65.80	3622	146	4.00
1/11/2018 19:00	66.80	2980	112	3.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/11/2018 20:00	67.20	2501	102	4.10
1/11/2018 21:00	67.60	2043	75	3.70
1/11/2018 22:00	67.60	1446	38	2.60
1/11/2018 23:00	66.10	1022	43	4.20
1/12/2018 0:00	66.20	687	30	4.40
1/12/2018 1:00	66.60	452	17	3.80
1/12/2018 2:00	66.50	459	26	5.70
1/12/2018 3:00	67.00	805	46	5.70
1/12/2018 4:00	68.20	2063	96	4.70
1/12/2018 5:00	67.90	5695	163	2.90
1/12/2018 6:00	43.70	8067	267	3.30
1/12/2018 7:00	26.90	7979	468	5.90
1/12/2018 8:00	31.40	7343	430	5.90
1/12/2018 9:00	62.60	5764	344	6.00
1/12/2018 10:00	62.10	4953	344	6.90
1/12/2018 11:00	62.80	5040	323	6.40
1/12/2018 12:00	63.50	5613	328	5.80
1/12/2018 13:00	64.00	5812	294	5.10
1/12/2018 14:00	64.20	6190	271	4.40
1/12/2018 15:00	65.00	5855	221	3.80
1/12/2018 16:00	66.10	5111	180	3.50
1/12/2018 17:00	65.80	4686	134	2.90
1/12/2018 18:00	66.40	3989	134	3.40
1/12/2018 19:00	66.80	3181	99	3.10
1/12/2018 20:00	67.10	2697	88	3.30
1/12/2018 21:00	67.20	2384	77	3.20
1/12/2018 22:00	67.30	1848	66	3.60
1/12/2018 23:00	66.80	1372	34	2.50
1/13/2018 0:00	66.50	957	30	3.10
1/13/2018 1:00	66.00	632	16	2.50
1/13/2018 2:00	66.60	634	26	4.10
1/13/2018 3:00	66.60	620	25	4.00
1/13/2018 4:00	67.50	1102	41	3.70
1/13/2018 5:00	67.70	1721	72	4.20
1/13/2018 6:00	68.00	2823	93	3.30
1/13/2018 7:00	66.40	3664	139	3.80
1/13/2018 8:00	66.10	4265	154	3.60
1/13/2018 9:00	66.80	4362	172	3.90
1/13/2018 10:00	66.30	4601	159	3.50
1/13/2018 11:00	66.30	4728	170	3.60
1/13/2018 12:00	66.40	5164	157	3.00
1/13/2018 13:00	66.60	5202	169	3.20
1/13/2018 14:00	67.10	5065	136	2.70
1/13/2018 15:00	67.00	5045	148	2.90
1/13/2018 16:00	67.10	4684	120	2.60
1/13/2018 17:00	66.60	4433	120	2.70
1/13/2018 18:00	66.40	3799	98	2.60
1/13/2018 19:00	68.10	3090	70	2.30
1/13/2018 20:00	67.60	2751	67	2.40
1/13/2018 21:00	68.60	2574	53	2.10
1/13/2018 22:00	68.10	2053	42	2.00
1/13/2018 23:00	67.40	1640	24	1.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/14/2018 0:00	66.90	1119	25	2.20
1/14/2018 1:00	67.00	887	14	1.60
1/14/2018 2:00	66.60	603	14	2.30
1/14/2018 3:00	66.70	444	3	0.70
1/14/2018 4:00	66.00	641	24	3.70
1/14/2018 5:00	67.00	981	28	2.90
1/14/2018 6:00	67.20	1577	41	2.60
1/14/2018 7:00	67.80	2107	54	2.60
1/14/2018 8:00	66.20	2762	96	3.50
1/14/2018 9:00	66.30	3390	102	3.00
1/14/2018 10:00	66.60	3609	105	2.90
1/14/2018 11:00	65.70	3911	105	2.70
1/14/2018 12:00	65.80	4371	119	2.70
1/14/2018 13:00	66.10	4438	117	2.60
1/14/2018 14:00	65.50	4336	103	2.40
1/14/2018 15:00	65.80	4397	127	2.90
1/14/2018 16:00	66.00	4013	95	2.40
1/14/2018 17:00	65.20	4113	100	2.40
1/14/2018 18:00	64.70	3591	105	2.90
1/14/2018 19:00	66.00	2969	77	2.60
1/14/2018 20:00	66.60	2455	74	3.00
1/14/2018 21:00	66.60	2095	54	2.60
1/14/2018 22:00	67.00	1588	28	1.80
1/14/2018 23:00	66.70	1183	25	2.10
1/15/2018 0:00	65.90	806	28	3.50
1/15/2018 1:00	66.10	611	21	3.40
1/15/2018 2:00	66.10	609	20	3.30
1/15/2018 3:00	65.70	885	37	4.20
1/15/2018 4:00	65.00	1908	81	4.20
1/15/2018 5:00	65.00	5034	166	3.30
1/15/2018 6:00	61.90	6767	238	3.50
1/15/2018 7:00	61.70	5865	249	4.20
1/15/2018 8:00	61.60	5146	222	4.30
1/15/2018 9:00	60.40	4760	292	6.10
1/15/2018 10:00	59.20	4339	290	6.70
1/15/2018 11:00	59.90	4107	247	6.00
1/15/2018 12:00	59.20	4629	283	6.10
1/15/2018 13:00	60.10	5035	269	5.30
1/15/2018 14:00	61.20	5156	218	4.20
1/15/2018 15:00	62.40	5185	198	3.80
1/15/2018 16:00	62.70	4555	153	3.40
1/15/2018 17:00	62.60	4488	140	3.10
1/15/2018 18:00	63.10	3649	112	3.10
1/15/2018 19:00	64.00	2842	95	3.30
1/15/2018 20:00	65.80	2322	69	3.00
1/15/2018 21:00	66.00	2021	65	3.20
1/15/2018 22:00	66.10	1387	49	3.50
1/15/2018 23:00	65.80	1001	34	3.40
1/16/2018 0:00	65.40	603	23	3.80
1/16/2018 1:00	65.80	443	28	6.30
1/16/2018 2:00	65.50	465	31	6.70
1/16/2018 3:00	65.30	838	58	6.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/16/2018 4:00	67.50	2207	95	4.30
1/16/2018 5:00	67.80	6203	214	3.40
1/16/2018 6:00	33.10	7952	266	3.30
1/16/2018 7:00	23.70	7280	408	5.60
1/16/2018 8:00	28.50	8011	492	6.10
1/16/2018 9:00	36.90	6443	305	4.70
1/16/2018 10:00	63.30	4535	269	5.90
1/16/2018 11:00	62.40	4517	322	7.10
1/16/2018 12:00	62.40	4882	317	6.50
1/16/2018 13:00	63.50	5464	297	5.40
1/16/2018 14:00	63.90	6108	284	4.60
1/16/2018 15:00	65.30	6213	243	3.90
1/16/2018 16:00	66.70	5705	180	3.20
1/16/2018 17:00	66.00	4933	154	3.10
1/16/2018 18:00	65.60	3705	138	3.70
1/16/2018 19:00	66.60	2964	105	3.50
1/16/2018 20:00	65.90	2455	101	4.10
1/16/2018 21:00	66.50	2078	73	3.50
1/16/2018 22:00	66.30	1389	51	3.70
1/16/2018 23:00	66.30	883	31	3.50
1/17/2018 0:00	65.60	584	33	5.70
1/17/2018 1:00	66.00	445	23	5.20
1/17/2018 2:00	66.50	446	27	6.10
1/17/2018 3:00	66.30	781	55	7.00
1/17/2018 4:00	68.30	2230	87	3.90
1/17/2018 5:00	68.80	6111	169	2.80
1/17/2018 6:00	32.80	8026	294	3.70
1/17/2018 7:00	27.10	7995	393	4.90
1/17/2018 8:00	25.90	7520	393	5.20
1/17/2018 9:00	32.30	6516	269	4.10
1/17/2018 10:00	62.90	4776	308	6.40
1/17/2018 11:00	62.70	4649	306	6.60
1/17/2018 12:00	62.60	4957	330	6.70
1/17/2018 13:00	63.50	5770	309	5.40
1/17/2018 14:00	64.20	6002	272	4.50
1/17/2018 15:00	64.80	6158	243	3.90
1/17/2018 16:00	66.00	5743	176	3.10
1/17/2018 17:00	66.40	5192	160	3.10
1/17/2018 18:00	65.60	3914	150	3.80
1/17/2018 19:00	67.40	2956	96	3.20
1/17/2018 20:00	66.30	2610	95	3.60
1/17/2018 21:00	67.60	2188	75	3.40
1/17/2018 22:00	67.60	2056	64	3.10
1/17/2018 23:00	66.60	1046	32	3.10
1/18/2018 0:00	65.70	613	38	6.20
1/18/2018 1:00	65.90	452	34	7.50
1/18/2018 2:00	66.50	469	28	6.00
1/18/2018 3:00	66.00	791	50	6.30
1/18/2018 4:00	67.90	2224	93	4.20
1/18/2018 5:00	68.20	6184	196	3.20
1/18/2018 6:00	33.10	7806	337	4.30
1/18/2018 7:00	27.20	8100	542	6.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/18/2018 8:00	25.80	7305	384	5.30
1/18/2018 9:00	36.70	6575	334	5.10
1/18/2018 10:00	63.00	4972	316	6.40
1/18/2018 11:00	62.60	5006	320	6.40
1/18/2018 12:00	62.60	5278	332	6.30
1/18/2018 13:00	63.10	5639	323	5.70
1/18/2018 14:00	63.90	6099	271	4.40
1/18/2018 15:00	64.60	6279	240	3.80
1/18/2018 16:00	66.20	5582	190	3.40
1/18/2018 17:00	65.60	5276	173	3.30
1/18/2018 18:00	66.20	4114	147	3.60
1/18/2018 19:00	67.00	3058	112	3.70
1/18/2018 20:00	67.00	2644	112	4.20
1/18/2018 21:00	67.20	2162	77	3.60
1/18/2018 22:00	66.90	1533	55	3.60
1/18/2018 23:00	66.40	995	30	3.00
1/19/2018 0:00	65.40	594	28	4.70
1/19/2018 1:00	65.10	429	32	7.50
1/19/2018 2:00	66.20	485	24	4.90
1/19/2018 3:00	66.60	838	51	6.10
1/19/2018 4:00	69.20	2240	93	4.20
1/19/2018 5:00	67.50	6007	172	2.90
1/19/2018 6:00	31.10	7826	262	3.30
1/19/2018 7:00	25.40	7860	431	5.50
1/19/2018 8:00	27.80	7236	457	6.30
1/19/2018 9:00	62.60	5767	313	5.40
1/19/2018 10:00	62.00	4914	328	6.70
1/19/2018 11:00	62.10	5093	332	6.50
1/19/2018 12:00	63.50	5608	319	5.70
1/19/2018 13:00	63.60	6214	310	5.00
1/19/2018 14:00	65.00	6236	276	4.40
1/19/2018 15:00	65.40	6066	211	3.50
1/19/2018 16:00	63.40	5411	170	3.10
1/19/2018 17:00	64.30	4712	154	3.30
1/19/2018 18:00	65.10	3735	123	3.30
1/19/2018 19:00	66.70	3043	91	3.00
1/19/2018 20:00	66.80	2645	90	3.40
1/19/2018 21:00	66.40	2204	76	3.40
1/19/2018 22:00	67.10	1739	46	2.60
1/19/2018 23:00	66.80	1400	45	3.20
1/20/2018 0:00	66.20	919	28	3.00
1/20/2018 1:00	66.10	742	30	4.00
1/20/2018 2:00	66.70	615	21	3.40
1/20/2018 3:00	66.00	585	36	6.20
1/20/2018 4:00	67.10	1067	44	4.10
1/20/2018 5:00	67.10	1805	69	3.80
1/20/2018 6:00	66.90	2796	91	3.30
1/20/2018 7:00	65.90	3646	121	3.30
1/20/2018 8:00	65.30	4458	148	3.30
1/20/2018 9:00	64.70	4420	176	4.00
1/20/2018 10:00	64.70	4366	166	3.80
1/20/2018 11:00	65.00	4757	166	3.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/20/2018 12:00	65.60	5253	176	3.40
1/20/2018 13:00	66.50	4999	137	2.70
1/20/2018 14:00	65.90	5257	154	2.90
1/20/2018 15:00	66.70	5216	137	2.60
1/20/2018 16:00	66.90	4793	133	2.80
1/20/2018 17:00	66.20	4596	107	2.30
1/20/2018 18:00	66.50	3696	85	2.30
1/20/2018 19:00	67.50	2958	60	2.00
1/20/2018 20:00	67.20	2659	67	2.50
1/20/2018 21:00	67.50	2510	52	2.10
1/20/2018 22:00	67.90	2769	55	2.00
1/20/2018 23:00	67.00	1787	36	2.00
1/21/2018 0:00	67.30	1159	15	1.30
1/21/2018 1:00	66.80	810	11	1.40
1/21/2018 2:00	66.50	626	13	2.10
1/21/2018 3:00	66.30	441	15	3.40
1/21/2018 4:00	66.90	550	11	2.00
1/21/2018 5:00	66.50	887	37	4.20
1/21/2018 6:00	66.90	1603	41	2.60
1/21/2018 7:00	67.00	2156	68	3.20
1/21/2018 8:00	67.40	2650	65	2.50
1/21/2018 9:00	66.70	3479	89	2.60
1/21/2018 10:00	66.50	3573	89	2.50
1/21/2018 11:00	66.30	4092	102	2.50
1/21/2018 12:00	65.40	4406	138	3.10
1/21/2018 13:00	65.70	4402	104	2.40
1/21/2018 14:00	66.40	4100	87	2.10
1/21/2018 15:00	65.30	4352	112	2.60
1/21/2018 16:00	65.80	4188	96	2.30
1/21/2018 17:00	64.80	3945	95	2.40
1/21/2018 18:00	64.30	3573	90	2.50
1/21/2018 19:00	65.70	3133	78	2.50
1/21/2018 20:00	66.50	2566	80	3.10
1/21/2018 21:00	66.60	2044	56	2.70
1/21/2018 22:00	66.90	1445	34	2.40
1/21/2018 23:00	66.10	1168	31	2.70
1/22/2018 0:00	66.50	736	22	3.00
1/22/2018 1:00	65.60	542	24	4.40
1/22/2018 2:00	66.00	583	22	3.80
1/22/2018 3:00	65.80	865	39	4.50
1/22/2018 4:00	65.80	2245	88	3.90
1/22/2018 5:00	65.80	6133	163	2.70
1/22/2018 6:00	33.40	7974	318	4.00
1/22/2018 7:00	25.70	7817	489	6.30
1/22/2018 8:00	23.50	7209	363	5.00
1/22/2018 9:00	44.50	6104	324	5.30
1/22/2018 10:00	59.70	4638	309	6.70
1/22/2018 11:00	59.70	4730	316	6.70
1/22/2018 12:00	59.50	5146	339	6.60
1/22/2018 13:00	60.00	5311	307	5.80
1/22/2018 14:00	61.50	5931	265	4.50
1/22/2018 15:00	62.20	6114	234	3.80



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/22/2018 16:00	63.30	5406	180	3.30
1/22/2018 17:00	62.90	5302	168	3.20
1/22/2018 18:00	62.60	3933	141	3.60
1/22/2018 19:00	64.30	2914	122	4.20
1/22/2018 20:00	65.00	2448	103	4.20
1/22/2018 21:00	66.10	1982	71	3.60
1/22/2018 22:00	66.10	1336	50	3.70
1/22/2018 23:00	66.00	1005	47	4.70
1/23/2018 0:00	66.30	573	20	3.50
1/23/2018 1:00	65.70	392	27	6.90
1/23/2018 2:00	65.80	483	33	6.80
1/23/2018 3:00	66.10	797	45	5.60
1/23/2018 4:00	67.10	2227	99	4.40
1/23/2018 5:00	68.40	6133	192	3.10
1/23/2018 6:00	34.00	8177	320	3.90
1/23/2018 7:00	29.70	8266	530	6.40
1/23/2018 8:00	26.10	7294	442	6.10
1/23/2018 9:00	37.20	6366	327	5.10
1/23/2018 10:00	62.80	4764	331	6.90
1/23/2018 11:00	61.70	4645	343	7.40
1/23/2018 12:00	62.60	4934	309	6.30
1/23/2018 13:00	63.70	5439	292	5.40
1/23/2018 14:00	63.90	6087	281	4.60
1/23/2018 15:00	65.30	5879	213	3.60
1/23/2018 16:00	65.50	5662	193	3.40
1/23/2018 17:00	66.60	5273	166	3.10
1/23/2018 18:00	65.90	4016	155	3.90
1/23/2018 19:00	66.70	3009	126	4.20
1/23/2018 20:00	66.80	2496	101	4.00
1/23/2018 21:00	67.70	2169	75	3.50
1/23/2018 22:00	67.00	1441	49	3.40
1/23/2018 23:00	66.40	999	33	3.30
1/24/2018 0:00	66.90	616	28	4.50
1/24/2018 1:00	66.10	413	20	4.80
1/24/2018 2:00	66.10	435	35	8.00
1/24/2018 3:00	66.40	756	48	6.30
1/24/2018 4:00	68.30	2245	89	4.00
1/24/2018 5:00	68.60	6076	177	2.90
1/24/2018 6:00	31.40	8084	299	3.70
1/24/2018 7:00	21.40	7123	428	6.00
1/24/2018 8:00	23.50	7105	415	5.80
1/24/2018 9:00	37.40	6592	283	4.30
1/24/2018 10:00	63.20	4832	321	6.60
1/24/2018 11:00	62.40	4783	323	6.80
1/24/2018 12:00	63.00	5333	312	5.90
1/24/2018 13:00	63.50	5573	282	5.10
1/24/2018 14:00	63.80	6119	294	4.80
1/24/2018 15:00	65.40	6158	227	3.70
1/24/2018 16:00	66.30	5514	175	3.20
1/24/2018 17:00	66.10	5260	162	3.10
1/24/2018 18:00	65.60	3965	135	3.40
1/24/2018 19:00	66.00	2997	128	4.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/24/2018 20:00	66.30	2588	109	4.20
1/24/2018 21:00	66.60	2386	95	4.00
1/24/2018 22:00	66.20	1650	72	4.40
1/24/2018 23:00	66.40	1118	43	3.80
1/25/2018 0:00	66.40	628	37	5.90
1/25/2018 1:00	65.90	436	26	6.00
1/25/2018 2:00	66.60	520	27	5.20
1/25/2018 3:00	66.00	824	54	6.60
1/25/2018 4:00	67.40	2264	103	4.50
1/25/2018 5:00	69.10	6186	188	3.00
1/25/2018 6:00	35.40	8258	321	3.90
1/25/2018 7:00	27.90	7959	302	3.80
1/25/2018 8:00	25.10	7444	428	5.70
1/25/2018 9:00	39.60	6424	343	5.30
1/25/2018 10:00	62.90	4900	325	6.60
1/25/2018 11:00	62.00	5265	357	6.80
1/25/2018 12:00	62.10	5512	360	6.50
1/25/2018 13:00	63.10	5510	335	6.10
1/25/2018 14:00	64.40	6165	290	4.70
1/25/2018 15:00	65.20	6270	233	3.70
1/25/2018 16:00	65.90	5563	170	3.10
1/25/2018 17:00	64.80	5203	172	3.30
1/25/2018 18:00	65.10	4053	155	3.80
1/25/2018 19:00	66.80	2969	110	3.70
1/25/2018 20:00	67.40	2599	91	3.50
1/25/2018 21:00	67.10	2379	79	3.30
1/25/2018 22:00	66.80	1551	49	3.20
1/25/2018 23:00	67.10	1062	30	2.80
1/26/2018 0:00	65.40	631	30	4.80
1/26/2018 1:00	66.20	437	19	4.30
1/26/2018 2:00	66.20	513	34	6.60
1/26/2018 3:00	66.70	872	55	6.30
1/26/2018 4:00	68.30	2058	81	3.90
1/26/2018 5:00	69.00	5936	206	3.50
1/26/2018 6:00	37.60	8137	320	3.90
1/26/2018 7:00	25.20	7685	416	5.40
1/26/2018 8:00	26.60	7205	309	4.30
1/26/2018 9:00	55.50	5973	373	6.20
1/26/2018 10:00	64.10	5235	314	6.00
1/26/2018 11:00	63.00	5275	338	6.40
1/26/2018 12:00	62.70	5647	338	6.00
1/26/2018 13:00	63.50	6323	313	5.00
1/26/2018 14:00	63.60	6443	284	4.40
1/26/2018 15:00	65.20	6050	222	3.70
1/26/2018 16:00	65.90	5274	197	3.70
1/26/2018 17:00	66.10	4759	162	3.40
1/26/2018 18:00	66.30	4189	138	3.30
1/26/2018 19:00	67.50	3274	103	3.10
1/26/2018 20:00	67.60	2730	100	3.70
1/26/2018 21:00	66.70	2457	81	3.30
1/26/2018 22:00	67.60	1893	50	2.60
1/26/2018 23:00	66.60	1430	48	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/27/2018 0:00	65.90	924	32	3.50
1/27/2018 1:00	65.80	651	25	3.80
1/27/2018 2:00	65.90	604	29	4.80
1/27/2018 3:00	66.90	589	20	3.40
1/27/2018 4:00	67.30	1075	40	3.70
1/27/2018 5:00	67.10	1772	75	4.20
1/27/2018 6:00	64.90	2827	115	4.10
1/27/2018 7:00	65.40	3814	142	3.70
1/27/2018 8:00	65.50	4426	169	3.80
1/27/2018 9:00	65.70	4558	184	4.00
1/27/2018 10:00	65.30	4496	186	4.10
1/27/2018 11:00	64.70	4776	195	4.10
1/27/2018 12:00	65.40	5074	188	3.70
1/27/2018 13:00	65.50	5070	167	3.30
1/27/2018 14:00	65.70	5115	155	3.00
1/27/2018 15:00	66.50	5162	144	2.80
1/27/2018 16:00	66.50	4813	137	2.80
1/27/2018 17:00	65.60	4628	113	2.40
1/27/2018 18:00	65.80	4018	95	2.40
1/27/2018 19:00	66.80	3148	78	2.50
1/27/2018 20:00	67.30	2751	56	2.00
1/27/2018 21:00	67.00	2561	61	2.40
1/27/2018 22:00	66.90	2233	46	2.10
1/27/2018 23:00	67.20	1778	30	1.70
1/28/2018 0:00	66.30	1239	28	2.30
1/28/2018 1:00	66.90	923	16	1.70
1/28/2018 2:00	66.50	636	13	2.00
1/28/2018 3:00	66.30	464	7	1.50
1/28/2018 4:00	67.40	607	6	1.00
1/28/2018 5:00	66.70	921	22	2.40
1/28/2018 6:00	67.30	1558	46	3.00
1/28/2018 7:00	67.90	2194	49	2.20
1/28/2018 8:00	66.30	2868	74	2.60
1/28/2018 9:00	66.60	3469	91	2.60
1/28/2018 10:00	66.50	3804	113	3.00
1/28/2018 11:00	66.30	4094	124	3.00
1/28/2018 12:00	65.40	4554	148	3.20
1/28/2018 13:00	65.80	4652	140	3.00
1/28/2018 14:00	65.90	4568	131	2.90
1/28/2018 15:00	66.60	4330	107	2.50
1/28/2018 16:00	66.80	4251	98	2.30
1/28/2018 17:00	66.00	4084	92	2.30
1/28/2018 18:00	64.40	3714	107	2.90
1/28/2018 19:00	66.30	3119	73	2.30
1/28/2018 20:00	66.20	2714	63	2.30
1/28/2018 21:00	67.10	2332	63	2.70
1/28/2018 22:00	66.10	1813	66	3.60
1/28/2018 23:00	66.40	1172	30	2.60
1/29/2018 0:00	66.90	761	18	2.40
1/29/2018 1:00	66.70	610	20	3.30
1/29/2018 2:00	66.70	569	22	3.90
1/29/2018 3:00	66.20	890	45	5.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/29/2018 4:00	67.70	2301	78	3.40
1/29/2018 5:00	68.00	6067	182	3.00
1/29/2018 6:00	33.40	7997	286	3.60
1/29/2018 7:00	27.10	7907	508	6.40
1/29/2018 8:00	23.40	7244	418	5.80
1/29/2018 9:00	43.80	6231	362	5.80
1/29/2018 10:00	62.50	4603	305	6.60
1/29/2018 11:00	61.70	4443	277	6.20
1/29/2018 12:00	61.00	4928	326	6.60
1/29/2018 13:00	62.20	5472	323	5.90
1/29/2018 14:00	64.50	5797	271	4.70
1/29/2018 15:00	64.90	6250	251	4.00
1/29/2018 16:00	66.20	5567	173	3.10
1/29/2018 17:00	66.40	5067	156	3.10
1/29/2018 18:00	65.50	3924	148	3.80
1/29/2018 19:00	65.70	2821	120	4.30
1/29/2018 20:00	66.50	2468	97	3.90
1/29/2018 21:00	65.70	1996	79	4.00
1/29/2018 22:00	66.80	1383	47	3.40
1/29/2018 23:00	65.70	906	46	5.10
1/30/2018 0:00	66.60	527	18	3.40
1/30/2018 1:00	66.30	431	30	7.00
1/30/2018 2:00	66.30	446	29	6.50
1/30/2018 3:00	66.80	815	50	6.10
1/30/2018 4:00	68.50	2298	92	4.00
1/30/2018 5:00	68.60	6236	202	3.20
1/30/2018 6:00	34.80	8123	348	4.30
1/30/2018 7:00	24.40	7831	437	5.60
1/30/2018 8:00	27.30	7695	551	7.20
1/30/2018 9:00	50.10	6056	352	5.80
1/30/2018 10:00	61.70	4726	337	7.10
1/30/2018 11:00	62.60	4590	296	6.40
1/30/2018 12:00	62.60	4844	309	6.40
1/30/2018 13:00	64.30	5521	296	5.40
1/30/2018 14:00	65.00	6010	270	4.50
1/30/2018 15:00	65.20	6239	261	4.20
1/30/2018 16:00	66.20	5644	207	3.70
1/30/2018 17:00	67.20	5038	156	3.10
1/30/2018 18:00	65.90	3858	140	3.60
1/30/2018 19:00	66.60	2945	125	4.20
1/30/2018 20:00	66.20	2568	111	4.30
1/30/2018 21:00	67.50	2166	76	3.50
1/30/2018 22:00	66.40	1362	59	4.30
1/30/2018 23:00	66.10	1037	48	4.60
1/31/2018 0:00	66.30	555	25	4.50
1/31/2018 1:00	66.60	415	19	4.60
1/31/2018 2:00	66.20	481	29	6.00
1/31/2018 3:00	67.00	795	50	6.30
1/31/2018 4:00	67.60	2213	99	4.50
1/31/2018 5:00	68.70	6265	180	2.90
1/31/2018 6:00	37.90	8021	338	4.20
1/31/2018 7:00	26.40	7779	434	5.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/31/2018 8:00	25.90	7442	454	6.10
1/31/2018 9:00	40.60	6562	362	5.50
1/31/2018 10:00	63.10	5073	326	6.40
1/31/2018 11:00	62.60	4723	303	6.40
1/31/2018 12:00	63.40	5139	300	5.80
1/31/2018 13:00	63.90	5671	287	5.10
1/31/2018 14:00	63.70	5910	295	5.00
1/31/2018 15:00	64.80	5871	228	3.90
1/31/2018 16:00	67.00	5179	163	3.10
1/31/2018 17:00	66.70	4779	141	3.00
1/31/2018 18:00	65.20	3810	154	4.00
1/31/2018 19:00	66.60	3140	115	3.70
1/31/2018 20:00	67.30	2715	100	3.70
1/31/2018 21:00	66.20	2219	77	3.50
1/31/2018 22:00	66.70	1489	52	3.50
1/31/2018 23:00	66.50	997	34	3.40
2/01/2018 0:00	66.20	577	23	4.00
2/01/2018 1:00	66.40	449	25	5.60
2/01/2018 2:00	66.00	494	32	6.50
2/01/2018 3:00	66.30	837	47	5.60
2/01/2018 4:00	67.30	2282	102	4.50
2/01/2018 5:00	69.30	6205	191	3.10
2/01/2018 6:00	31.30	7900	263	3.30
2/01/2018 7:00	26.70	8094	425	5.30
2/01/2018 8:00	27.20	7523	508	6.80
2/01/2018 9:00	49.40	6401	446	7.00
2/01/2018 10:00	63.20	4875	294	6.00
2/01/2018 11:00	62.20	4967	321	6.50
2/01/2018 12:00	62.70	5387	341	6.30
2/01/2018 13:00	63.00	5539	311	5.60
2/01/2018 14:00	63.80	6251	286	4.60
2/01/2018 15:00	54.40	5146	167	3.20
2/01/2018 16:00	18.30	4578	121	2.60
2/01/2018 17:00	63.80	4981	140	2.80
2/01/2018 18:00	65.70	4143	161	3.90
2/01/2018 19:00	66.20	3281	127	3.90
2/01/2018 20:00	66.10	2669	102	3.80
2/01/2018 21:00	66.30	2380	85	3.60
2/01/2018 22:00	66.70	1506	48	3.20
2/01/2018 23:00	67.00	1034	28	2.70
2/02/2018 0:00	66.80	685	34	5.00
2/02/2018 1:00	65.00	477	33	6.90
2/02/2018 2:00	66.80	521	21	4.00
2/02/2018 3:00	66.70	812	43	5.30
2/02/2018 4:00	66.80	2242	121	5.40
2/02/2018 5:00	69.10	6095	195	3.20
2/02/2018 6:00	31.70	7991	326	4.10
2/02/2018 7:00	26.50	7820	438	5.60
2/02/2018 8:00	39.60	7319	446	6.10
2/02/2018 9:00	62.20	5905	351	5.90
2/02/2018 10:00	62.80	5173	304	5.90
2/02/2018 11:00	62.30	5582	335	6.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/02/2018 12:00	62.60	5960	367	6.20
2/02/2018 13:00	63.60	6343	288	4.50
2/02/2018 14:00	63.50	6187	270	4.40
2/02/2018 15:00	65.40	5801	199	3.40
2/02/2018 16:00	65.90	5187	163	3.10
2/02/2018 17:00	65.90	4752	143	3.00
2/02/2018 18:00	65.50	4099	142	3.50
2/02/2018 19:00	66.20	3445	109	3.20
2/02/2018 20:00	66.70	2788	97	3.50
2/02/2018 21:00	66.10	2455	91	3.70
2/02/2018 22:00	67.40	2001	50	2.50
2/02/2018 23:00	67.30	1579	41	2.60
2/03/2018 0:00	67.20	984	27	2.70
2/03/2018 1:00	65.90	671	28	4.20
2/03/2018 2:00	66.30	604	27	4.50
2/03/2018 3:00	66.20	636	30	4.70
2/03/2018 4:00	67.30	1055	39	3.70
2/03/2018 5:00	67.80	1801	68	3.80
2/03/2018 6:00	65.70	2899	108	3.70
2/03/2018 7:00	65.80	3981	144	3.60
2/03/2018 8:00	65.90	4506	162	3.60
2/03/2018 9:00	65.60	4756	169	3.60
2/03/2018 10:00	65.30	4887	198	4.10
2/03/2018 11:00	65.20	4864	175	3.60
2/03/2018 12:00	65.50	5092	169	3.30
2/03/2018 13:00	65.20	5576	170	3.00
2/03/2018 14:00	65.60	5186	148	2.90
2/03/2018 15:00	66.00	4962	144	2.90
2/03/2018 16:00	66.50	4806	122	2.50
2/03/2018 17:00	66.20	4467	115	2.60
2/03/2018 18:00	65.10	3968	101	2.50
2/03/2018 19:00	66.60	3345	69	2.10
2/03/2018 20:00	66.70	3224	79	2.50
2/03/2018 21:00	65.90	3302	84	2.50
2/03/2018 22:00	66.60	2889	51	1.80
2/03/2018 23:00	66.70	1813	26	1.40
2/04/2018 0:00	66.00	1194	24	2.00
2/04/2018 1:00	67.00	895	14	1.60
2/04/2018 2:00	66.20	602	11	1.80
2/04/2018 3:00	66.00	464	16	3.40
2/04/2018 4:00	66.50	581	14	2.40
2/04/2018 5:00	67.00	913	21	2.30
2/04/2018 6:00	67.10	1547	43	2.80
2/04/2018 7:00	67.90	2229	53	2.40
2/04/2018 8:00	67.40	2817	62	2.20
2/04/2018 9:00	66.60	3429	102	3.00
2/04/2018 10:00	66.90	3538	92	2.60
2/04/2018 11:00	66.00	3888	123	3.20
2/04/2018 12:00	65.80	4462	140	3.10
2/04/2018 13:00	66.30	4956	130	2.60
2/04/2018 14:00	66.30	5045	132	2.60
2/04/2018 15:00	66.70	4355	119	2.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/04/2018 16:00	67.30	3118	60	1.90
2/04/2018 17:00	65.60	2911	70	2.40
2/04/2018 18:00	65.20	2869	70	2.40
2/04/2018 19:00	64.60	3456	95	2.70
2/04/2018 20:00	65.10	3893	86	2.20
2/04/2018 21:00	67.40	2422	58	2.40
2/04/2018 22:00	66.90	1567	32	2.00
2/04/2018 23:00	66.90	1151	22	1.90
2/05/2018 0:00	66.90	798	18	2.30
2/05/2018 1:00	66.00	558	20	3.60
2/05/2018 2:00	65.90	541	27	5.00
2/05/2018 3:00	66.70	872	35	4.00
2/05/2018 4:00	68.10	2190	95	4.30
2/05/2018 5:00	67.50	5947	180	3.00
2/05/2018 6:00	32.80	7951	285	3.60
2/05/2018 7:00	27.90	8048	473	5.90
2/05/2018 8:00	24.70	7332	425	5.80
2/05/2018 9:00	50.00	5804	323	5.60
2/05/2018 10:00	62.00	4673	292	6.20
2/05/2018 11:00	61.00	4785	319	6.70
2/05/2018 12:00	61.20	4973	320	6.40
2/05/2018 13:00	62.10	5446	302	5.50
2/05/2018 14:00	63.10	5840	290	5.00
2/05/2018 15:00	64.70	6063	223	3.70
2/05/2018 16:00	65.20	5586	186	3.30
2/05/2018 17:00	66.40	5274	143	2.70
2/05/2018 18:00	65.40	4002	119	3.00
2/05/2018 19:00	66.00	2904	94	3.20
2/05/2018 20:00	66.00	2511	97	3.90
2/05/2018 21:00	65.90	1925	69	3.60
2/05/2018 22:00	66.00	1338	57	4.30
2/05/2018 23:00	66.60	878	27	3.10
2/06/2018 0:00	65.80	525	34	6.50
2/06/2018 1:00	66.40	408	25	6.10
2/06/2018 2:00	66.10	409	28	6.80
2/06/2018 3:00	67.60	787	40	5.10
2/06/2018 4:00	68.00	2238	98	4.40
2/06/2018 5:00	69.60	6155	174	2.80
2/06/2018 6:00	32.60	8055	352	4.40
2/06/2018 7:00	25.00	7841	397	5.10
2/06/2018 8:00	23.90	7311	363	5.00
2/06/2018 9:00	34.40	6651	350	5.30
2/06/2018 10:00	62.90	4723	283	6.00
2/06/2018 11:00	62.70	4666	313	6.70
2/06/2018 12:00	62.10	5010	329	6.60
2/06/2018 13:00	63.60	5480	297	5.40
2/06/2018 14:00	63.90	5928	264	4.50
2/06/2018 15:00	64.70	6184	230	3.70
2/06/2018 16:00	66.60	5724	164	2.90
2/06/2018 17:00	66.70	5015	145	2.90
2/06/2018 18:00	65.60	4087	135	3.30
2/06/2018 19:00	67.00	3123	114	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/06/2018 20:00	66.40	2504	113	4.50
2/06/2018 21:00	66.50	2228	90	4.00
2/06/2018 22:00	66.90	1475	54	3.70
2/06/2018 23:00	66.80	946	38	4.00
2/07/2018 0:00	65.80	590	28	4.70
2/07/2018 1:00	66.10	394	36	9.10
2/07/2018 2:00	65.50	458	42	9.20
2/07/2018 3:00	67.00	786	49	6.20
2/07/2018 4:00	68.60	2284	84	3.70
2/07/2018 5:00	67.80	6155	193	3.10
2/07/2018 6:00	28.20	7470	309	4.10
2/07/2018 7:00	25.50	7887	447	5.70
2/07/2018 8:00	24.20	7279	343	4.70
2/07/2018 9:00	29.80	6428	362	5.60
2/07/2018 10:00	62.80	4733	281	5.90
2/07/2018 11:00	61.60	4830	313	6.50
2/07/2018 12:00	62.40	5174	321	6.20
2/07/2018 13:00	62.60	5725	337	5.90
2/07/2018 14:00	63.40	6058	271	4.50
2/07/2018 15:00	64.30	6108	230	3.80
2/07/2018 16:00	65.50	5588	192	3.40
2/07/2018 17:00	67.00	5108	149	2.90
2/07/2018 18:00	65.10	4148	140	3.40
2/07/2018 19:00	65.60	3177	123	3.90
2/07/2018 20:00	66.60	2663	95	3.60
2/07/2018 21:00	67.00	2341	90	3.80
2/07/2018 22:00	66.60	1475	58	3.90
2/07/2018 23:00	66.60	930	31	3.30
2/08/2018 0:00	65.70	619	39	6.30
2/08/2018 1:00	65.60	410	27	6.60
2/08/2018 2:00	66.40	432	25	5.80
2/08/2018 3:00	67.10	794	55	6.90
2/08/2018 4:00	67.90	2258	98	4.30
2/08/2018 5:00	69.50	6278	207	3.30
2/08/2018 6:00	32.30	8191	319	3.90
2/08/2018 7:00	25.80	7908	421	5.30
2/08/2018 8:00	25.10	7326	414	5.70
2/08/2018 9:00	53.40	6307	335	5.30
2/08/2018 10:00	62.80	4934	325	6.60
2/08/2018 11:00	63.50	4906	280	5.70
2/08/2018 12:00	62.80	5359	323	6.00
2/08/2018 13:00	63.60	5538	318	5.70
2/08/2018 14:00	64.00	6280	283	4.50
2/08/2018 15:00	64.40	6319	239	3.80
2/08/2018 16:00	67.10	4048	134	3.30
2/08/2018 17:00	56.20	5707	174	3.00
2/08/2018 18:00	65.30	3956	141	3.60
2/08/2018 19:00	66.00	3115	132	4.20
2/08/2018 20:00	67.30	2636	85	3.20
2/08/2018 21:00	65.50	2451	93	3.80
2/08/2018 22:00	66.80	1928	70	3.60
2/08/2018 23:00	66.30	1158	43	3.70



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/09/2018 0:00	65.50	637	39	6.10
2/09/2018 1:00	65.20	510	27	5.30
2/09/2018 2:00	66.70	481	21	4.40
2/09/2018 3:00	66.40	824	54	6.60
2/09/2018 4:00	67.40	2143	110	5.10
2/09/2018 5:00	68.90	5896	188	3.20
2/09/2018 6:00	31.60	7950	331	4.20
2/09/2018 7:00	26.80	8042	423	5.30
2/09/2018 8:00	26.10	7442	425	5.70
2/09/2018 9:00	57.30	5932	367	6.20
2/09/2018 10:00	61.50	5162	342	6.60
2/09/2018 11:00	61.10	5561	354	6.40
2/09/2018 12:00	61.90	5767	345	6.00
2/09/2018 13:00	62.60	6305	344	5.50
2/09/2018 14:00	63.30	6372	245	3.80
2/09/2018 15:00	64.50	5650	222	3.90
2/09/2018 16:00	65.90	4788	170	3.60
2/09/2018 17:00	66.00	4686	172	3.70
2/09/2018 18:00	64.50	4115	136	3.30
2/09/2018 19:00	66.10	3413	108	3.20
2/09/2018 20:00	66.00	2740	81	3.00
2/09/2018 21:00	66.60	2462	77	3.10
2/09/2018 22:00	66.50	1906	68	3.60
2/09/2018 23:00	66.70	1498	41	2.70
2/10/2018 0:00	66.00	933	44	4.70
2/10/2018 1:00	66.30	686	28	4.10
2/10/2018 2:00	66.10	612	27	4.40
2/10/2018 3:00	66.20	620	29	4.70
2/10/2018 4:00	67.70	1154	49	4.20
2/10/2018 5:00	67.90	1906	62	3.30
2/10/2018 6:00	66.80	3075	91	3.00
2/10/2018 7:00	65.80	3891	146	3.80
2/10/2018 8:00	66.30	4241	134	3.20
2/10/2018 9:00	65.20	4639	179	3.90
2/10/2018 10:00	65.70	4663	166	3.60
2/10/2018 11:00	65.40	4836	164	3.40
2/10/2018 12:00	65.40	5316	177	3.30
2/10/2018 13:00	66.10	5299	165	3.10
2/10/2018 14:00	66.50	5135	158	3.10
2/10/2018 15:00	66.70	5106	140	2.70
2/10/2018 16:00	67.20	4703	120	2.60
2/10/2018 17:00	66.90	4442	114	2.60
2/10/2018 18:00	65.40	3749	93	2.50
2/10/2018 19:00	66.70	3214	70	2.20
2/10/2018 20:00	66.90	2739	60	2.20
2/10/2018 21:00	66.80	2609	59	2.30
2/10/2018 22:00	67.10	2951	62	2.10
2/10/2018 23:00	66.60	2025	28	1.40
2/11/2018 0:00	67.00	1236	18	1.50
2/11/2018 1:00	65.80	859	33	3.80
2/11/2018 2:00	66.80	643	13	2.00
2/11/2018 3:00	66.40	482	8	1.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/11/2018 4:00	67.20	560	16	2.90
2/11/2018 5:00	66.60	1026	27	2.60
2/11/2018 6:00	67.90	1848	47	2.50
2/11/2018 7:00	67.90	2390	58	2.40
2/11/2018 8:00	66.80	2873	85	3.00
2/11/2018 9:00	66.00	3675	99	2.70
2/11/2018 10:00	66.10	3833	110	2.90
2/11/2018 11:00	66.00	4403	105	2.40
2/11/2018 12:00	65.30	4652	133	2.90
2/11/2018 13:00	64.90	4784	122	2.60
2/11/2018 14:00	65.90	4659	128	2.70
2/11/2018 15:00	65.20	4532	112	2.50
2/11/2018 16:00	65.70	4436	110	2.50
2/11/2018 17:00	65.70	4025	105	2.60
2/11/2018 18:00	63.90	3705	97	2.60
2/11/2018 19:00	65.00	3086	72	2.30
2/11/2018 20:00	65.60	2672	61	2.30
2/11/2018 21:00	67.80	2181	51	2.30
2/11/2018 22:00	67.20	1586	32	2.00
2/11/2018 23:00	66.70	1180	24	2.00
2/12/2018 0:00	66.80	836	21	2.50
2/12/2018 1:00	66.00	573	29	5.10
2/12/2018 2:00	66.30	544	27	5.00
2/12/2018 3:00	66.50	819	44	5.40
2/12/2018 4:00	68.40	2244	82	3.70
2/12/2018 5:00	70.80	5293	156	2.90
2/12/2018 6:00	35.90	7544	220	2.90
2/12/2018 7:00	24.40	7717	557	7.20
2/12/2018 8:00	24.60	7568	337	4.50
2/12/2018 9:00	59.20	5600	310	5.50
2/12/2018 10:00	62.10	4691	303	6.50
2/12/2018 11:00	61.40	4689	320	6.80
2/12/2018 12:00	61.60	5010	330	6.60
2/12/2018 13:00	62.60	5333	292	5.50
2/12/2018 14:00	63.30	5869	264	4.50
2/12/2018 15:00	65.00	6034	204	3.40
2/12/2018 16:00	65.90	5741	175	3.00
2/12/2018 17:00	65.90	5239	161	3.10
2/12/2018 18:00	64.50	3910	146	3.70
2/12/2018 19:00	64.30	2932	130	4.40
2/12/2018 20:00	66.50	2559	84	3.30
2/12/2018 21:00	65.80	2132	90	4.20
2/12/2018 22:00	67.10	1425	47	3.30
2/12/2018 23:00	66.60	898	26	2.90
2/13/2018 0:00	65.80	625	30	4.80
2/13/2018 1:00	66.50	445	24	5.40
2/13/2018 2:00	65.60	446	36	8.10
2/13/2018 3:00	65.80	771	52	6.70
2/13/2018 4:00	67.50	2277	90	4.00
2/13/2018 5:00	68.40	6445	194	3.00
2/13/2018 6:00	28.60	7735	288	3.70
2/13/2018 7:00	26.00	7952	378	4.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/13/2018 8:00	26.10	7581	450	5.90
2/13/2018 9:00	26.10	6508	198	3.00
2/13/2018 10:00	57.90	3675	0	0.00
2/13/2018 11:00	60.20	3528	0	0.00
2/13/2018 12:00	61.10	4751	223	4.70
2/13/2018 13:00	63.30	5475	293	5.40
2/13/2018 14:00	63.40	6234	298	4.80
2/13/2018 15:00	64.70	6265	234	3.70
2/13/2018 16:00	66.20	5723	188	3.30
2/13/2018 17:00	67.00	5269	163	3.10
2/13/2018 18:00	65.50	4267	158	3.70
2/13/2018 19:00	66.70	3239	111	3.40
2/13/2018 20:00	65.30	2808	122	4.30
2/13/2018 21:00	66.90	2442	87	3.60
2/13/2018 22:00	67.00	1482	51	3.40
2/13/2018 23:00	66.30	1094	49	4.50
2/14/2018 0:00	66.60	610	28	4.60
2/14/2018 1:00	65.60	448	35	7.80
2/14/2018 2:00	66.40	474	26	5.50
2/14/2018 3:00	67.20	768	38	4.90
2/14/2018 4:00	67.50	2240	100	4.50
2/14/2018 5:00	68.60	6384	186	2.90
2/14/2018 6:00	33.80	8133	319	3.90
2/14/2018 7:00	26.90	8007	546	6.80
2/14/2018 8:00	26.10	7423	413	5.60
2/14/2018 9:00	59.90	5738	323	5.60
2/14/2018 10:00	62.80	4801	311	6.50
2/14/2018 11:00	62.60	4884	317	6.50
2/14/2018 12:00	62.60	5276	343	6.50
2/14/2018 13:00	64.00	5964	284	4.80
2/14/2018 14:00	63.90	6187	264	4.30
2/14/2018 15:00	65.20	6268	222	3.50
2/14/2018 16:00	66.10	5368	154	2.90
2/14/2018 17:00	67.20	5190	153	2.90
2/14/2018 18:00	66.20	3633	131	3.60
2/14/2018 19:00	65.60	2969	121	4.10
2/14/2018 20:00	66.20	2616	110	4.20
2/14/2018 21:00	66.50	2347	92	3.90
2/14/2018 22:00	67.30	2086	73	3.50
2/14/2018 23:00	67.20	1156	40	3.50
2/15/2018 0:00	66.70	749	39	5.20
2/15/2018 1:00	65.70	471	30	6.40
2/15/2018 2:00	66.10	484	31	6.40
2/15/2018 3:00	67.40	798	50	6.30
2/15/2018 4:00	68.40	2297	102	4.40
2/15/2018 5:00	70.10	6243	177	2.80
2/15/2018 6:00	33.40	8166	345	4.20
2/15/2018 7:00	23.20	7271	338	4.60
2/15/2018 8:00	25.10	7394	426	5.80
2/15/2018 9:00	39.80	6023	278	4.60
2/15/2018 10:00	62.00	5136	356	6.90
2/15/2018 11:00	62.70	5087	309	6.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/15/2018 12:00	62.50	5495	352	6.40
2/15/2018 13:00	63.20	5753	280	4.90
2/15/2018 14:00	63.10	6542	290	4.40
2/15/2018 15:00	64.40	6337	235	3.70
2/15/2018 16:00	66.10	5641	179	3.20
2/15/2018 17:00	67.10	5271	142	2.70
2/15/2018 18:00	65.50	4186	159	3.80
2/15/2018 19:00	66.60	3228	99	3.10
2/15/2018 20:00	66.70	2913	104	3.60
2/15/2018 21:00	66.30	2662	94	3.50
2/15/2018 22:00	66.80	2184	68	3.10
2/15/2018 23:00	67.10	1522	50	3.30
2/16/2018 0:00	66.20	882	51	5.80
2/16/2018 1:00	66.70	653	30	4.60
2/16/2018 2:00	66.00	553	39	7.10
2/16/2018 3:00	66.90	819	50	6.10
2/16/2018 4:00	67.80	2074	100	4.80
2/16/2018 5:00	69.40	6065	203	3.30
2/16/2018 6:00	37.40	8382	407	4.90
2/16/2018 7:00	31.20	8091	585	7.20
2/16/2018 8:00	62.20	6273	291	4.60
2/16/2018 9:00	62.70	5879	328	5.60
2/16/2018 10:00	62.30	5454	361	6.60
2/16/2018 11:00	61.80	5522	349	6.30
2/16/2018 12:00	62.60	6000	329	5.50
2/16/2018 13:00	62.60	6071	307	5.10
2/16/2018 14:00	64.10	6132	228	3.70
2/16/2018 15:00	64.30	5412	193	3.60
2/16/2018 16:00	66.00	4726	173	3.70
2/16/2018 17:00	65.40	4727	154	3.30
2/16/2018 18:00	65.00	4128	152	3.70
2/16/2018 19:00	66.80	3435	103	3.00
2/16/2018 20:00	65.90	2872	113	3.90
2/16/2018 21:00	66.40	2393	73	3.10
2/16/2018 22:00	66.00	1970	44	2.20
2/16/2018 23:00	66.70	1585	44	2.80
2/17/2018 0:00	64.50	1121	25	2.20
2/17/2018 1:00	63.10	797	27	3.40
2/17/2018 2:00	58.70	686	14	2.00
2/17/2018 3:00	66.10	610	18	3.00
2/17/2018 4:00	68.20	988	22	2.20
2/17/2018 5:00	63.80	1836	30	1.60
2/17/2018 6:00	60.80	2905	52	1.80
2/17/2018 7:00	66.30	3661	98	2.70
2/17/2018 8:00	66.10	4218	140	3.30
2/17/2018 9:00	65.30	4343	104	2.40
2/17/2018 10:00	63.50	3390	0	0.00
2/17/2018 11:00	64.30	3485	0	0.00
2/17/2018 12:00	64.80	5031	148	2.90
2/17/2018 13:00	66.20	4988	159	3.20
2/17/2018 14:00	65.80	5108	152	3.00
2/17/2018 15:00	66.00	5517	160	2.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/17/2018 16:00	66.70	4871	130	2.70
2/17/2018 17:00	66.40	4504	119	2.60
2/17/2018 18:00	65.50	4081	102	2.50
2/17/2018 19:00	66.40	3345	77	2.30
2/17/2018 20:00	67.00	2927	71	2.40
2/17/2018 21:00	66.90	2554	53	2.10
2/17/2018 22:00	67.40	2291	47	2.10
2/17/2018 23:00	67.60	1748	32	1.80
2/18/2018 0:00	67.30	1268	19	1.50
2/18/2018 1:00	67.50	930	11	1.20
2/18/2018 2:00	66.90	744	18	2.40
2/18/2018 3:00	66.30	463	13	2.80
2/18/2018 4:00	66.80	528	12	2.30
2/18/2018 5:00	67.10	867	16	1.80
2/18/2018 6:00	67.50	1650	38	2.30
2/18/2018 7:00	67.80	2210	58	2.60
2/18/2018 8:00	67.00	2803	67	2.40
2/18/2018 9:00	66.00	3580	104	2.90
2/18/2018 10:00	66.80	3900	106	2.70
2/18/2018 11:00	65.70	4104	109	2.70
2/18/2018 12:00	65.40	4565	132	2.90
2/18/2018 13:00	64.90	4626	148	3.20
2/18/2018 14:00	65.60	4401	112	2.50
2/18/2018 15:00	65.70	4497	105	2.30
2/18/2018 16:00	66.20	4390	108	2.50
2/18/2018 17:00	65.80	4312	92	2.10
2/18/2018 18:00	64.30	3872	89	2.30
2/18/2018 19:00	64.40	3172	84	2.60
2/18/2018 20:00	65.60	2840	75	2.60
2/18/2018 21:00	67.00	2332	60	2.60
2/18/2018 22:00	67.70	1851	35	1.90
2/18/2018 23:00	66.10	1387	35	2.50
2/19/2018 0:00	66.80	958	24	2.50
2/19/2018 1:00	66.90	724	22	3.00
2/19/2018 2:00	67.30	603	14	2.30
2/19/2018 3:00	66.10	784	41	5.20
2/19/2018 4:00	66.90	1477	61	4.10
2/19/2018 5:00	67.50	4122	144	3.50
2/19/2018 6:00	64.40	5690	201	3.50
2/19/2018 7:00	65.00	5379	181	3.40
2/19/2018 8:00	64.60	4821	217	4.50
2/19/2018 9:00	63.10	4803	277	5.80
2/19/2018 10:00	62.40	4560	282	6.20
2/19/2018 11:00	62.70	4871	287	5.90
2/19/2018 12:00	63.00	5070	284	5.60
2/19/2018 13:00	63.70	5252	246	4.70
2/19/2018 14:00	63.90	5393	240	4.50
2/19/2018 15:00	64.70	5285	207	3.90
2/19/2018 16:00	65.50	4827	187	3.90
2/19/2018 17:00	66.90	4585	133	2.90
2/19/2018 18:00	65.90	4031	124	3.10
2/19/2018 19:00	66.50	3247	98	3.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/19/2018 20:00	67.20	2527	82	3.20
2/19/2018 21:00	67.40	2165	53	2.40
2/19/2018 22:00	67.30	1620	59	3.60
2/19/2018 23:00	66.20	1118	52	4.70
2/20/2018 0:00	66.00	766	34	4.40
2/20/2018 1:00	65.90	518	33	6.40
2/20/2018 2:00	66.40	452	24	5.30
2/20/2018 3:00	66.20	795	67	8.40
2/20/2018 4:00	69.00	2223	79	3.60
2/20/2018 5:00	68.40	6159	200	3.20
2/20/2018 6:00	30.10	7902	399	5.00
2/20/2018 7:00	25.30	7593	490	6.50
2/20/2018 8:00	25.00	7504	425	5.70
2/20/2018 9:00	34.90	6411	310	4.80
2/20/2018 10:00	63.20	4836	323	6.70
2/20/2018 11:00	62.80	4683	314	6.70
2/20/2018 12:00	62.80	5196	303	5.80
2/20/2018 13:00	62.80	5564	301	5.40
2/20/2018 14:00	63.80	6168	291	4.70
2/20/2018 15:00	64.70	6015	217	3.60
2/20/2018 16:00	66.20	5485	176	3.20
2/20/2018 17:00	66.10	5245	155	3.00
2/20/2018 18:00	65.50	4097	134	3.30
2/20/2018 19:00	66.90	3195	116	3.60
2/20/2018 20:00	66.50	2730	102	3.70
2/20/2018 21:00	65.80	2193	100	4.60
2/20/2018 22:00	66.50	1419	56	3.90
2/20/2018 23:00	66.10	925	36	3.90
2/21/2018 0:00	65.40	576	36	6.30
2/21/2018 1:00	66.20	368	27	7.30
2/21/2018 2:00	66.40	410	28	6.80
2/21/2018 3:00	66.30	727	49	6.70
2/21/2018 4:00	67.70	2168	93	4.30
2/21/2018 5:00	69.50	6188	181	2.90
2/21/2018 6:00	33.50	8282	374	4.50
2/21/2018 7:00	27.50	8018	368	4.60
2/21/2018 8:00	23.80	7188	499	6.90
2/21/2018 9:00	47.50	5838	369	6.30
2/21/2018 10:00	63.30	4752	298	6.30
2/21/2018 11:00	56.50	4636	314	6.80
2/21/2018 12:00	60.70	5102	342	6.70
2/21/2018 13:00	63.00	5564	317	5.70
2/21/2018 14:00	63.80	5977	270	4.50
2/21/2018 15:00	64.90	6111	239	3.90
2/21/2018 16:00	65.90	5710	190	3.30
2/21/2018 17:00	66.20	5285	167	3.20
2/21/2018 18:00	65.90	4045	147	3.60
2/21/2018 19:00	66.10	3161	126	4.00
2/21/2018 20:00	67.10	2821	105	3.70
2/21/2018 21:00	67.70	2313	78	3.40
2/21/2018 22:00	67.20	1525	51	3.30
2/21/2018 23:00	66.60	1053	36	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/22/2018 0:00	66.40	629	27	4.30
2/22/2018 1:00	65.60	438	36	8.20
2/22/2018 2:00	66.60	442	24	5.40
2/22/2018 3:00	66.80	819	51	6.20
2/22/2018 4:00	68.80	2265	96	4.20
2/22/2018 5:00	69.60	6137	189	3.10
2/22/2018 6:00	32.50	7723	387	5.00
2/22/2018 7:00	17.80	6315	400	6.30
2/22/2018 8:00	21.70	6994	444	6.30
2/22/2018 9:00	35.50	6535	371	5.70
2/22/2018 10:00	62.50	4960	344	6.90
2/22/2018 11:00	62.00	5051	332	6.60
2/22/2018 12:00	62.20	5415	336	6.20
2/22/2018 13:00	60.60	5550	322	5.80
2/22/2018 14:00	57.50	6050	279	4.60
2/22/2018 15:00	64.00	6079	225	3.70
2/22/2018 16:00	65.70	5625	185	3.30
2/22/2018 17:00	67.40	5343	149	2.80
2/22/2018 18:00	65.60	4127	149	3.60
2/22/2018 19:00	63.80	3152	96	3.00
2/22/2018 20:00	65.90	2701	98	3.60
2/22/2018 21:00	66.20	2442	97	4.00
2/22/2018 22:00	66.50	1594	62	3.90
2/22/2018 23:00	66.20	1138	32	2.80
2/23/2018 0:00	66.20	727	39	5.40
2/23/2018 1:00	65.80	471	31	6.60
2/23/2018 2:00	66.00	535	35	6.50
2/23/2018 3:00	66.50	822	53	6.40
2/23/2018 4:00	67.80	2100	111	5.30
2/23/2018 5:00	68.80	5802	175	3.00
2/23/2018 6:00	36.70	8110	345	4.30
2/23/2018 7:00	26.10	7841	435	5.50
2/23/2018 8:00	26.80	7239	404	5.60
2/23/2018 9:00	59.60	6038	338	5.60
2/23/2018 10:00	60.90	5261	340	6.50
2/23/2018 11:00	61.40	5257	331	6.30
2/23/2018 12:00	61.80	5653	332	5.90
2/23/2018 13:00	61.90	6149	328	5.30
2/23/2018 14:00	62.90	6336	280	4.40
2/23/2018 15:00	63.80	6056	232	3.80
2/23/2018 16:00	65.70	5395	198	3.70
2/23/2018 17:00	65.70	4870	149	3.10
2/23/2018 18:00	65.30	4349	148	3.40
2/23/2018 19:00	67.00	3370	104	3.10
2/23/2018 20:00	67.50	2844	85	3.00
2/23/2018 21:00	67.10	2461	81	3.30
2/23/2018 22:00	67.10	1872	45	2.40
2/23/2018 23:00	66.40	1443	44	3.00
2/24/2018 0:00	66.10	878	23	2.60
2/24/2018 1:00	65.90	668	35	5.20
2/24/2018 2:00	66.70	592	20	3.40
2/24/2018 3:00	65.70	605	39	6.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/24/2018 4:00	66.50	1058	57	5.40
2/24/2018 5:00	66.60	1864	74	4.00
2/24/2018 6:00	66.10	2958	119	4.00
2/24/2018 7:00	65.90	3852	138	3.60
2/24/2018 8:00	66.00	4347	150	3.50
2/24/2018 9:00	65.70	4596	167	3.60
2/24/2018 10:00	65.30	4648	180	3.90
2/24/2018 11:00	65.20	4777	172	3.60
2/24/2018 12:00	65.60	5242	184	3.50
2/24/2018 13:00	65.40	5220	165	3.20
2/24/2018 14:00	65.50	5310	151	2.80
2/24/2018 15:00	65.50	5263	161	3.10
2/24/2018 16:00	66.70	4962	125	2.50
2/24/2018 17:00	66.60	4751	122	2.60
2/24/2018 18:00	65.70	4292	105	2.40
2/24/2018 19:00	66.80	3521	89	2.50
2/24/2018 20:00	67.30	3089	65	2.10
2/24/2018 21:00	67.80	2823	56	2.00
2/24/2018 22:00	66.30	2313	43	1.90
2/24/2018 23:00	65.90	1667	39	2.30
2/25/2018 0:00	67.00	1245	22	1.80
2/25/2018 1:00	66.60	932	13	1.40
2/25/2018 2:00	66.90	726	16	2.20
2/25/2018 3:00	66.60	501	11	2.20
2/25/2018 4:00	66.10	579	19	3.30
2/25/2018 5:00	64.60	1010	17	1.70
2/25/2018 6:00	66.90	1644	38	2.30
2/25/2018 7:00	67.40	2288	53	2.30
2/25/2018 8:00	65.80	2908	68	2.30
2/25/2018 9:00	64.90	2952	31	1.10
2/25/2018 10:00	63.80	2837	0	0.00
2/25/2018 11:00	63.50	3040	0	0.00
2/25/2018 12:00	64.10	4137	79	1.90
2/25/2018 13:00	64.70	4862	149	3.10
2/25/2018 14:00	65.10	4750	126	2.70
2/25/2018 15:00	65.40	4878	128	2.60
2/25/2018 16:00	65.70	4489	116	2.60
2/25/2018 17:00	65.10	4297	101	2.40
2/25/2018 18:00	64.40	3883	104	2.70
2/25/2018 19:00	65.40	3317	82	2.50
2/25/2018 20:00	65.30	2753	68	2.50
2/25/2018 21:00	67.00	2215	67	3.00
2/25/2018 22:00	67.20	1556	38	2.40
2/25/2018 23:00	67.00	1194	30	2.50
2/26/2018 0:00	66.30	778	20	2.60
2/26/2018 1:00	66.10	505	22	4.40
2/26/2018 2:00	66.20	542	31	5.70
2/26/2018 3:00	66.50	817	44	5.40
2/26/2018 4:00	67.40	2294	91	4.00
2/26/2018 5:00	67.60	6062	187	3.10
2/26/2018 6:00	32.80	8295	435	5.20
2/26/2018 7:00	28.60	8064	442	5.50



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/26/2018 8:00	24.90	7143	385	5.40
2/26/2018 9:00	60.50	5727	319	5.60
2/26/2018 10:00	62.90	4806	310	6.50
2/26/2018 11:00	62.10	4701	317	6.70
2/26/2018 12:00	63.50	4971	291	5.90
2/26/2018 13:00	63.20	5549	324	5.80
2/26/2018 14:00	64.50	5950	272	4.60
2/26/2018 15:00	65.10	6052	232	3.80
2/26/2018 16:00	66.70	5834	188	3.20
2/26/2018 17:00	66.00	5222	159	3.00
2/26/2018 18:00	65.70	3927	137	3.50
2/26/2018 19:00	65.60	3042	128	4.20
2/26/2018 20:00	67.50	2626	69	2.60
2/26/2018 21:00	66.10	2120	76	3.60
2/26/2018 22:00	67.60	1395	50	3.60
2/26/2018 23:00	67.40	1511	51	3.40
2/27/2018 0:00	66.10	647	32	4.90
2/27/2018 1:00	65.10	417	20	4.80
2/27/2018 2:00	65.30	386	27	7.00
2/27/2018 3:00	65.30	767	46	6.00
2/27/2018 4:00	62.20	2133	69	3.20
2/27/2018 5:00	62.60	5840	205	3.50
2/27/2018 6:00	26.00	7000	299	4.30
2/27/2018 7:00	22.70	7335	450	6.10
2/27/2018 8:00	28.40	7335	491	6.70
2/27/2018 9:00	60.10	5716	272	4.80
2/27/2018 10:00	63.70	4552	283	6.20
2/27/2018 11:00	61.70	4557	304	6.70
2/27/2018 12:00	62.50	4942	292	5.90
2/27/2018 13:00	63.60	5366	270	5.00
2/27/2018 14:00	64.90	5939	251	4.20
2/27/2018 15:00	66.20	5873	202	3.40
2/27/2018 16:00	67.50	5631	164	2.90
2/27/2018 17:00	67.10	5182	157	3.00
2/27/2018 18:00	66.60	3903	128	3.30
2/27/2018 19:00	66.20	2995	120	4.00
2/27/2018 20:00	66.10	2582	101	3.90
2/27/2018 21:00	66.90	2208	83	3.80
2/27/2018 22:00	68.70	2007	54	2.70
2/27/2018 23:00	66.70	969	24	2.50
2/28/2018 0:00	65.70	621	39	6.30
2/28/2018 1:00	66.30	400	23	5.80
2/28/2018 2:00	66.10	437	31	7.10
2/28/2018 3:00	66.90	758	43	5.70
2/28/2018 4:00	67.40	2261	96	4.20
2/28/2018 5:00	69.20	6296	172	2.70
2/28/2018 6:00	36.50	8331	367	4.40
2/28/2018 7:00	26.70	7823	506	6.50
2/28/2018 8:00	25.70	7386	419	5.70
2/28/2018 9:00	38.80	5883	201	3.40
2/28/2018 10:00	60.60	3523	0	0.00
2/28/2018 11:00	59.60	3531	0	0.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/28/2018 12:00	60.30	4496	137	3.00
2/28/2018 13:00	63.90	5869	322	5.50
2/28/2018 14:00	64.00	6306	293	4.60
2/28/2018 15:00	65.00	6156	210	3.40
2/28/2018 16:00	65.40	5849	200	3.40
2/28/2018 17:00	66.10	5422	172	3.20
2/28/2018 18:00	65.70	4242	151	3.60
2/28/2018 19:00	66.30	3159	119	3.80
2/28/2018 20:00	67.40	2652	94	3.50
2/28/2018 21:00	66.30	2184	81	3.70
2/28/2018 22:00	66.60	1457	53	3.60
2/28/2018 23:00	65.60	1016	60	5.90
3/01/2018 0:00	66.00	626	37	5.90
3/01/2018 1:00	66.00	430	25	5.80
3/01/2018 2:00	66.00	507	37	7.30
3/01/2018 3:00	66.80	761	39	5.10
3/01/2018 4:00	68.20	2234	91	4.10
3/01/2018 5:00	69.00	6233	190	3.00
3/01/2018 6:00	35.80	8387	329	3.90
3/01/2018 7:00	23.10	7249	357	4.90
3/01/2018 8:00	23.80	7192	345	4.80
3/01/2018 9:00	29.60	6635	324	4.90
3/01/2018 10:00	62.60	5125	311	6.10
3/01/2018 11:00	61.60	5208	333	6.40
3/01/2018 12:00	63.50	5351	315	5.90
3/01/2018 13:00	63.00	5744	290	5.00
3/01/2018 14:00	63.40	6454	289	4.50
3/01/2018 15:00	64.80	6274	187	3.00
3/01/2018 16:00	65.50	5736	192	3.30
3/01/2018 17:00	66.90	5088	142	2.80
3/01/2018 18:00	66.70	4099	118	2.90
3/01/2018 19:00	66.10	3226	118	3.70
3/01/2018 20:00	66.30	2762	112	4.10
3/01/2018 21:00	67.40	2423	66	2.70
3/01/2018 22:00	66.30	1567	62	4.00
3/01/2018 23:00	65.90	1052	37	3.50
3/02/2018 0:00	66.40	646	32	5.00
3/02/2018 1:00	65.20	482	36	7.50
3/02/2018 2:00	65.80	493	38	7.70
3/02/2018 3:00	66.70	772	47	6.10
3/02/2018 4:00	68.00	2178	96	4.40
3/02/2018 5:00	69.20	6087	199	3.30
3/02/2018 6:00	37.50	8164	385	4.70
3/02/2018 7:00	26.60	7670	435	5.70
3/02/2018 8:00	36.70	6790	355	5.20
3/02/2018 9:00	61.10	4229	0	0.00
3/02/2018 10:00	61.50	4231	128	3.00
3/02/2018 11:00	63.20	5245	304	5.80
3/02/2018 12:00	63.00	5622	321	5.70
3/02/2018 13:00	63.50	6191	294	4.70
3/02/2018 14:00	62.70	6332	270	4.30
3/02/2018 15:00	62.60	6052	207	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/02/2018 16:00	65.20	5374	217	4.00
3/02/2018 17:00	66.10	4722	151	3.20
3/02/2018 18:00	65.20	4266	142	3.30
3/02/2018 19:00	67.10	3519	109	3.10
3/02/2018 20:00	66.90	2920	95	3.30
3/02/2018 21:00	66.40	2486	87	3.50
3/02/2018 22:00	66.60	1923	53	2.80
3/02/2018 23:00	66.90	1452	33	2.30
3/03/2018 0:00	66.80	986	32	3.20
3/03/2018 1:00	65.30	665	30	4.50
3/03/2018 2:00	65.20	568	26	4.60
3/03/2018 3:00	66.30	608	24	3.90
3/03/2018 4:00	66.40	1003	36	3.60
3/03/2018 5:00	66.80	1687	67	4.00
3/03/2018 6:00	66.10	2652	101	3.80
3/03/2018 7:00	66.90	3857	124	3.20
3/03/2018 8:00	67.00	4478	139	3.10
3/03/2018 9:00	59.80	4577	191	4.20
3/03/2018 10:00	17.00	3971	137	3.50
3/03/2018 11:00	61.30	4650	153	3.30
3/03/2018 12:00	66.10	5058	169	3.30
3/03/2018 13:00	66.10	5145	167	3.20
3/03/2018 14:00	66.50	5054	150	3.00
3/03/2018 15:00	67.30	4948	124	2.50
3/03/2018 16:00	67.50	4721	116	2.50
3/03/2018 17:00	67.90	4446	99	2.20
3/03/2018 18:00	66.10	3779	88	2.30
3/03/2018 19:00	66.50	3206	74	2.30
3/03/2018 20:00	67.00	2802	65	2.30
3/03/2018 21:00	67.10	3284	73	2.20
3/03/2018 22:00	66.90	2297	48	2.10
3/03/2018 23:00	67.10	1595	27	1.70
3/04/2018 0:00	65.80	1074	12	1.10
3/04/2018 1:00	66.20	775	10	1.30
3/04/2018 2:00	66.60	644	12	1.90
3/04/2018 3:00	66.60	483	7	1.40
3/04/2018 4:00	66.90	549	13	2.40
3/04/2018 5:00	67.10	1013	23	2.30
3/04/2018 6:00	67.30	1599	46	2.90
3/04/2018 7:00	67.20	2219	62	2.80
3/04/2018 8:00	67.00	2792	72	2.60
3/04/2018 9:00	67.40	3542	88	2.50
3/04/2018 10:00	66.50	4015	114	2.80
3/04/2018 11:00	66.70	4010	110	2.70
3/04/2018 12:00	66.50	4660	119	2.60
3/04/2018 13:00	65.90	4689	130	2.80
3/04/2018 14:00	66.00	4477	109	2.40
3/04/2018 15:00	65.80	4750	126	2.70
3/04/2018 16:00	66.30	4512	109	2.40
3/04/2018 17:00	65.40	3181	17	0.50
3/04/2018 18:00	64.10	2757	0	0.00
3/04/2018 19:00	64.80	2423	0	0.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/04/2018 20:00	64.30	2212	22	1.00
3/04/2018 21:00	67.20	2287	56	2.40
3/04/2018 22:00	66.50	1547	42	2.70
3/04/2018 23:00	66.00	1308	33	2.50
3/05/2018 0:00	64.80	909	46	5.10
3/05/2018 1:00	65.40	584	28	4.80
3/05/2018 2:00	66.30	588	25	4.30
3/05/2018 3:00	66.20	881	46	5.20
3/05/2018 4:00	67.10	2301	94	4.10
3/05/2018 5:00	67.80	6228	160	2.60
3/05/2018 6:00	32.70	8244	435	5.30
3/05/2018 7:00	24.80	7461	513	6.90
3/05/2018 8:00	25.90	7151	286	4.00
3/05/2018 9:00	58.90	4190	0	0.00
3/05/2018 10:00	58.90	3634	0	0.00
3/05/2018 11:00	59.50	3506	0	0.00
3/05/2018 12:00	59.40	3706	10	0.30
3/05/2018 13:00	61.60	5422	321	5.90
3/05/2018 14:00	63.90	5916	265	4.50
3/05/2018 15:00	64.60	5684	141	2.50
3/05/2018 16:00	66.10	3995	0	0.00
3/05/2018 17:00	65.80	3626	0	0.00
3/05/2018 18:00	64.50	2900	0	0.00
3/05/2018 19:00	65.80	3014	118	3.90
3/05/2018 20:00	66.20	2536	100	3.90
3/05/2018 21:00	65.90	2057	77	3.70
3/05/2018 22:00	66.20	1383	59	4.30
3/05/2018 23:00	65.90	982	33	3.40
3/06/2018 0:00	66.00	648	27	4.20
3/06/2018 1:00	66.20	451	29	6.40
3/06/2018 2:00	66.20	436	28	6.40
3/06/2018 3:00	66.80	786	52	6.60
3/06/2018 4:00	67.60	2231	81	3.60
3/06/2018 5:00	68.20	6150	185	3.00
3/06/2018 6:00	29.10	7676	332	4.30
3/06/2018 7:00	24.00	7583	400	5.30
3/06/2018 8:00	24.10	7176	446	6.20
3/06/2018 9:00	44.20	6275	406	6.50
3/06/2018 10:00	62.90	4879	311	6.40
3/06/2018 11:00	62.80	4666	308	6.60
3/06/2018 12:00	63.20	4899	289	5.90
3/06/2018 13:00	64.00	5624	284	5.00
3/06/2018 14:00	64.10	6121	289	4.70
3/06/2018 15:00	64.80	6266	247	3.90
3/06/2018 16:00	67.30	5633	165	2.90
3/06/2018 17:00	67.20	5535	158	2.90
3/06/2018 18:00	66.50	4290	157	3.70
3/06/2018 19:00	66.80	3241	130	4.00
3/06/2018 20:00	66.90	2651	95	3.60
3/06/2018 21:00	66.80	2284	87	3.80
3/06/2018 22:00	66.70	1484	58	3.90
3/06/2018 23:00	65.80	981	45	4.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/07/2018 0:00	65.90	608	37	6.10
3/07/2018 1:00	65.50	422	30	7.10
3/07/2018 2:00	65.90	426	33	7.70
3/07/2018 3:00	67.00	732	42	5.70
3/07/2018 4:00	68.20	2222	101	4.50
3/07/2018 5:00	69.60	6334	193	3.00
3/07/2018 6:00	37.70	8526	356	4.20
3/07/2018 7:00	26.00	7884	492	6.20
3/07/2018 8:00	26.20	7671	435	5.70
3/07/2018 9:00	56.70	6112	318	5.20
3/07/2018 10:00	62.90	4900	304	6.20
3/07/2018 11:00	62.10	4907	335	6.80
3/07/2018 12:00	63.50	6345	339	5.30
3/07/2018 13:00	40.00	6941	354	5.10
3/07/2018 14:00	24.10	6463	189	2.90
3/07/2018 15:00	20.50	4937	22	0.40
3/07/2018 16:00	22.10	4956	0	0.00
3/07/2018 17:00	40.80	4654	0	0.00
3/07/2018 18:00	63.60	4789	125	2.60
3/07/2018 19:00	66.20	3744	126	3.40
3/07/2018 20:00	67.30	2708	88	3.20
3/07/2018 21:00	66.10	2317	109	4.70
3/07/2018 22:00	64.80	1514	74	4.90
3/07/2018 23:00	66.90	1040	40	3.80
3/08/2018 0:00	65.80	659	41	6.20
3/08/2018 1:00	66.00	444	33	7.40
3/08/2018 2:00	66.40	466	29	6.20
3/08/2018 3:00	65.70	798	68	8.50
3/08/2018 4:00	67.40	2303	118	5.10
3/08/2018 5:00	69.30	6295	205	3.30
3/08/2018 6:00	34.60	8301	446	5.40
3/08/2018 7:00	22.90	7231	371	5.10
3/08/2018 8:00	24.00	7219	397	5.50
3/08/2018 9:00	38.80	6357	370	5.80
3/08/2018 10:00	62.50	5034	333	6.60
3/08/2018 11:00	62.40	5049	321	6.40
3/08/2018 12:00	62.70	5418	333	6.10
3/08/2018 13:00	62.90	5637	296	5.30
3/08/2018 14:00	63.30	6232	242	3.90
3/08/2018 15:00	65.00	6288	207	3.30
3/08/2018 16:00	66.70	5789	206	3.60
3/08/2018 17:00	66.90	5038	139	2.80
3/08/2018 18:00	62.60	3044	10	0.30
3/08/2018 19:00	62.30	2792	30	1.10
3/08/2018 20:00	64.90	1902	7	0.40
3/08/2018 21:00	66.50	2328	91	3.90
3/08/2018 22:00	66.50	1680	68	4.00
3/08/2018 23:00	66.80	1273	43	3.40
3/09/2018 0:00	66.60	696	30	4.30
3/09/2018 1:00	65.80	499	24	4.80
3/09/2018 2:00	65.70	549	25	4.60
3/09/2018 3:00	66.60	731	43	5.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/09/2018 4:00	69.50	1940	107	5.50
3/09/2018 5:00	69.20	5405	204	3.80
3/09/2018 6:00	42.00	8520	394	4.60
3/09/2018 7:00	24.40	7313	402	5.50
3/09/2018 8:00	27.80	6905	282	4.10
3/09/2018 9:00	61.30	6183	322	5.20
3/09/2018 10:00	62.20	5136	309	6.00
3/09/2018 11:00	61.40	5334	395	7.40
3/09/2018 12:00	62.90	6195	354	5.70
3/09/2018 13:00	63.80	6721	280	4.20
3/09/2018 14:00	63.90	6427	249	3.90
3/09/2018 15:00	63.90	5971	224	3.80
3/09/2018 16:00	66.10	5254	195	3.70
3/09/2018 17:00	68.10	5072	162	3.20
3/09/2018 18:00	64.40	3469	55	1.60
3/09/2018 19:00	65.90	2780	37	1.30
3/09/2018 20:00	66.00	2276	30	1.30
3/09/2018 21:00	66.50	2682	68	2.50
3/09/2018 22:00	66.20	1963	60	3.10
3/09/2018 23:00	66.50	1447	53	3.70
3/10/2018 0:00	66.50	977	31	3.20
3/10/2018 1:00	66.00	706	25	3.50
3/10/2018 2:00	66.30	620	26	4.20
3/10/2018 3:00	66.30	616	26	4.20
3/10/2018 4:00	67.40	1045	36	3.40
3/10/2018 5:00	67.20	1834	63	3.40
3/10/2018 6:00	66.30	2879	88	3.10
3/10/2018 7:00	66.30	3833	128	3.30
3/10/2018 8:00	66.40	4274	139	3.30
3/10/2018 9:00	64.80	4539	141	3.10
3/10/2018 10:00	60.10	4371	84	1.90
3/10/2018 11:00	64.40	4655	157	3.40
3/10/2018 12:00	65.70	5205	181	3.50
3/10/2018 13:00	66.00	5154	164	3.20
3/10/2018 14:00	66.10	5158	152	2.90
3/10/2018 15:00	66.40	5249	141	2.70
3/10/2018 16:00	67.00	4819	124	2.60
3/10/2018 17:00	67.00	4552	107	2.40
3/10/2018 18:00	65.70	3968	92	2.30
3/10/2018 19:00	66.60	3331	80	2.40
3/10/2018 20:00	67.10	2913	64	2.20
3/10/2018 21:00	67.20	2750	63	2.30
3/10/2018 22:00	67.10	2422	47	1.90
3/10/2018 23:00	67.00	1741	40	2.30
3/11/2018 0:00	66.90	1206	20	1.70
3/11/2018 1:00	66.60	881	19	2.20
3/11/2018 3:00	66.70	496	9	1.80
3/11/2018 4:00	67.00	564	13	2.30
3/11/2018 5:00	67.00	974	20	2.10
3/11/2018 6:00	67.50	1692	43	2.50
3/11/2018 7:00	67.70	2303	60	2.60
3/11/2018 8:00	66.90	2845	82	2.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/11/2018 9:00	66.30	3586	90	2.50
3/11/2018 10:00	66.00	3874	115	3.00
3/11/2018 11:00	65.70	4121	124	3.00
3/11/2018 12:00	65.50	4616	134	2.90
3/11/2018 13:00	65.20	4752	133	2.80
3/11/2018 14:00	65.60	4583	116	2.50
3/11/2018 15:00	65.50	4656	121	2.60
3/11/2018 16:00	66.00	4464	107	2.40
3/11/2018 17:00	65.60	4171	103	2.50
3/11/2018 18:00	64.30	3796	99	2.60
3/11/2018 19:00	65.00	3210	82	2.60
3/11/2018 20:00	65.50	2741	67	2.40
3/11/2018 21:00	67.20	2256	56	2.50
3/11/2018 22:00	67.20	1639	34	2.10
3/11/2018 23:00	66.60	1242	29	2.30
3/12/2018 0:00	66.40	876	31	3.50
3/12/2018 1:00	66.20	594	26	4.40
3/12/2018 2:00	66.60	571	20	3.50
3/12/2018 3:00	66.40	833	47	5.60
3/12/2018 4:00	67.60	2174	82	3.80
3/12/2018 5:00	68.10	5585	160	2.90
3/12/2018 6:00	36.00	7760	341	4.40
3/12/2018 7:00	27.40	7529	479	6.40
3/12/2018 8:00	26.00	7160	393	5.50
3/12/2018 9:00	60.40	5438	308	5.70
3/12/2018 10:00	62.20	4676	298	6.40
3/12/2018 11:00	62.00	4739	314	6.60
3/12/2018 12:00	62.50	4986	302	6.10
3/12/2018 13:00	62.90	5409	299	5.50
3/12/2018 14:00	64.00	5821	264	4.50
3/12/2018 15:00	65.10	5940	209	3.50
3/12/2018 16:00	66.20	5461	168	3.10
3/12/2018 17:00	66.30	4982	148	3.00
3/12/2018 18:00	65.30	3928	135	3.40
3/12/2018 19:00	65.60	3068	121	3.90
3/12/2018 20:00	67.00	2567	81	3.20
3/12/2018 21:00	66.40	2126	75	3.50
3/12/2018 22:00	67.20	1455	52	3.60
3/12/2018 23:00	66.70	1079	35	3.20
3/13/2018 0:00	66.10	679	23	3.40
3/13/2018 1:00	65.90	459	20	4.40
3/13/2018 2:00	66.20	431	29	6.70
3/13/2018 3:00	66.40	754	53	7.00
3/13/2018 4:00	67.40	2213	86	3.90
3/13/2018 5:00	67.60	6136	205	3.30
3/13/2018 6:00	28.20	7573	355	4.70
3/13/2018 7:00	24.60	7635	421	5.50
3/13/2018 8:00	25.40	7466	406	5.40
3/13/2018 9:00	40.70	6318	340	5.40
3/13/2018 10:00	62.80	4769	313	6.60
3/13/2018 11:00	62.40	4627	308	6.70
3/13/2018 12:00	62.70	5035	297	5.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/13/2018 13:00	63.40	5501	283	5.10
3/13/2018 14:00	64.20	6142	279	4.50
3/13/2018 15:00	65.00	6079	232	3.80
3/13/2018 16:00	66.90	5651	174	3.10
3/13/2018 17:00	66.90	5286	164	3.10
3/13/2018 18:00	66.10	4121	148	3.60
3/13/2018 19:00	66.70	3180	122	3.80
3/13/2018 20:00	66.20	2691	101	3.80
3/13/2018 21:00	66.70	2288	93	4.10
3/13/2018 22:00	67.10	1519	54	3.60
3/13/2018 23:00	66.40	988	39	3.90
3/14/2018 0:00	66.40	641	31	4.80
3/14/2018 1:00	65.50	440	37	8.40
3/14/2018 2:00	66.40	455	31	6.80
3/14/2018 3:00	66.80	767	46	6.00
3/14/2018 4:00	69.20	2199	91	4.10
3/14/2018 5:00	68.80	6021	171	2.80
3/14/2018 6:00	29.10	6928	248	3.60
3/14/2018 7:00	21.60	7155	417	5.80
3/14/2018 8:00	26.10	7812	418	5.40
3/14/2018 9:00	19.10	5645	283	5.00
3/14/2018 10:00	62.50	4814	271	5.60
3/14/2018 11:00	63.20	4816	288	6.00
3/14/2018 12:00	62.50	5139	343	6.70
3/14/2018 13:00	63.40	5775	336	5.80
3/14/2018 14:00	65.00	6004	242	4.00
3/14/2018 15:00	65.00	6302	222	3.50
3/14/2018 16:00	66.80	5896	172	2.90
3/14/2018 17:00	67.40	5386	167	3.10
3/14/2018 18:00	67.80	4154	131	3.20
3/14/2018 19:00	66.60	3376	122	3.60
3/14/2018 20:00	66.20	2952	107	3.60
3/14/2018 21:00	66.70	2534	80	3.20
3/14/2018 22:00	66.30	1533	58	3.80
3/14/2018 23:00	66.70	1055	31	2.90
3/15/2018 0:00	66.40	718	32	4.50
3/15/2018 1:00	64.70	525	45	8.60
3/15/2018 2:00	66.30	477	27	5.70
3/15/2018 3:00	65.20	778	52	6.70
3/15/2018 4:00	64.70	2246	102	4.50
3/15/2018 5:00	61.90	5906	150	2.50
3/15/2018 6:00	23.80	7192	279	3.90
3/15/2018 7:00	23.00	7469	380	5.10
3/15/2018 8:00	24.50	7719	378	4.90
3/15/2018 9:00	49.50	6417	327	5.10
3/15/2018 10:00	59.70	5050	320	6.30
3/15/2018 11:00	59.30	5046	329	6.50
3/15/2018 12:00	60.40	5340	332	6.20
3/15/2018 13:00	60.60	5790	303	5.20
3/15/2018 14:00	29.80	5605	274	4.90
3/15/2018 15:00	22.90	5677	196	3.50
3/15/2018 16:00	63.60	5703	180	3.20



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/15/2018 17:00	65.80	4917	167	3.40
3/15/2018 18:00	64.90	3921	139	3.50
3/15/2018 19:00	63.50	3475	135	3.90
3/15/2018 20:00	64.20	3018	121	4.00
3/15/2018 21:00	65.30	2605	107	4.10
3/15/2018 22:00	65.10	1725	74	4.30
3/15/2018 23:00	65.70	1177	50	4.20
3/16/2018 0:00	66.20	769	36	4.70
3/16/2018 1:00	65.60	557	40	7.20
3/16/2018 2:00	65.90	644	49	7.60
3/16/2018 3:00	67.00	829	47	5.70
3/16/2018 4:00	66.80	2250	117	5.20
3/16/2018 5:00	68.80	5886	194	3.30
3/16/2018 6:00	32.20	7765	261	3.40
3/16/2018 7:00	25.10	7817	434	5.60
3/16/2018 8:00	28.70	7182	411	5.70
3/16/2018 9:00	62.80	5816	315	5.40
3/16/2018 10:00	62.60	5106	314	6.10
3/16/2018 11:00	62.20	5251	336	6.40
3/16/2018 12:00	63.20	5397	326	6.00
3/16/2018 13:00	63.50	5522	266	4.80
3/16/2018 14:00	63.70	6348	266	4.20
3/16/2018 15:00	64.30	6040	212	3.50
3/16/2018 16:00	65.20	5358	163	3.00
3/16/2018 17:00	66.60	4792	138	2.90
3/16/2018 18:00	67.10	3950	120	3.00
3/16/2018 19:00	65.10	3620	137	3.80
3/16/2018 20:00	66.20	3120	99	3.20
3/16/2018 21:00	67.20	3014	99	3.30
3/16/2018 22:00	66.90	2134	71	3.30
3/16/2018 23:00	66.80	1538	45	2.90
3/17/2018 0:00	66.00	1109	43	3.90
3/17/2018 1:00	65.80	742	30	4.00
3/17/2018 2:00	66.50	674	23	3.40
3/17/2018 3:00	66.20	609	25	4.10
3/17/2018 4:00	65.70	1034	36	3.50
3/17/2018 5:00	62.10	1571	66	4.20
3/17/2018 6:00	59.20	2312	85	3.70
3/17/2018 7:00	63.10	3445	124	3.60
3/17/2018 8:00	62.40	4153	134	3.20
3/17/2018 9:00	64.00	4127	153	3.70
3/17/2018 10:00	64.90	4406	164	3.70
3/17/2018 11:00	65.00	4630	168	3.60
3/17/2018 12:00	65.50	5096	169	3.30
3/17/2018 13:00	65.40	5211	184	3.50
3/17/2018 14:00	67.00	5094	124	2.40
3/17/2018 15:00	66.70	4830	135	2.80
3/17/2018 16:00	67.10	4777	132	2.80
3/17/2018 17:00	67.40	4425	102	2.30
3/17/2018 18:00	67.20	3958	87	2.20
3/17/2018 19:00	66.10	3427	79	2.30
3/17/2018 20:00	66.80	3165	74	2.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/17/2018 21:00	62.50	2719	68	2.50
3/17/2018 22:00	66.90	2390	46	1.90
3/17/2018 23:00	66.00	1723	36	2.10
3/18/2018 0:00	66.30	1192	25	2.10
3/18/2018 1:00	66.80	918	16	1.70
3/18/2018 2:00	66.40	780	17	2.20
3/18/2018 3:00	66.90	562	8	1.40
3/18/2018 4:00	66.90	680	21	3.10
3/18/2018 5:00	66.60	1002	25	2.50
3/18/2018 6:00	66.30	1604	58	3.60
3/18/2018 7:00	66.70	2125	56	2.60
3/18/2018 8:00	67.10	2762	58	2.10
3/18/2018 9:00	67.00	3237	87	2.70
3/18/2018 10:00	66.80	3884	115	3.00
3/18/2018 11:00	66.30	4220	109	2.60
3/18/2018 12:00	66.20	4499	127	2.80
3/18/2018 13:00	66.00	4791	115	2.40
3/18/2018 14:00	65.90	4739	121	2.60
3/18/2018 15:00	66.80	4607	96	2.10
3/18/2018 16:00	65.90	4647	131	2.80
3/18/2018 17:00	67.20	4264	106	2.50
3/18/2018 18:00	67.80	3806	77	2.00
3/18/2018 19:00	65.80	3569	85	2.40
3/18/2018 20:00	66.10	3266	79	2.40
3/18/2018 21:00	66.70	2742	84	3.10
3/18/2018 22:00	67.60	1794	40	2.20
3/18/2018 23:00	67.10	1216	31	2.50
3/19/2018 0:00	67.20	959	32	3.30
3/19/2018 1:00	66.90	613	19	3.10
3/19/2018 2:00	66.90	614	22	3.60
3/19/2018 3:00	66.60	867	48	5.50
3/19/2018 4:00	69.10	2274	80	3.50
3/19/2018 5:00	69.00	6081	187	3.10
3/19/2018 6:00	33.80	7898	305	3.90
3/19/2018 7:00	27.90	7875	414	5.30
3/19/2018 8:00	34.60	7574	467	6.20
3/19/2018 9:00	64.10	5782	307	5.30
3/19/2018 10:00	63.30	4902	310	6.30
3/19/2018 11:00	62.70	4612	292	6.30
3/19/2018 12:00	63.20	4947	289	5.80
3/19/2018 13:00	63.30	5395	275	5.10
3/19/2018 14:00	64.20	5983	264	4.40
3/19/2018 15:00	64.80	6167	235	3.80
3/19/2018 16:00	66.60	5724	187	3.30
3/19/2018 17:00	67.90	5077	156	3.10
3/19/2018 18:00	67.40	4084	132	3.20
3/19/2018 19:00	67.20	3167	111	3.50
3/19/2018 20:00	67.10	2715	107	3.90
3/19/2018 21:00	66.60	2212	84	3.80
3/19/2018 22:00	65.70	1442	51	3.50
3/19/2018 23:00	66.80	988	32	3.20
3/20/2018 0:00	66.70	609	33	5.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/20/2018 1:00	66.90	498	37	7.40
3/20/2018 2:00	68.00	516	41	7.90
3/20/2018 3:00	69.40	756	50	6.60
3/20/2018 4:00	74.90	2204	98	4.40
3/20/2018 5:00	75.90	6151	190	3.10
3/20/2018 6:00	33.10	7919	290	3.70
3/20/2018 7:00	25.60	7842	458	5.80
3/20/2018 8:00	24.60	7256	372	5.10
3/20/2018 9:00	42.20	6116	322	5.30
3/20/2018 10:00	62.40	4830	328	6.80
3/20/2018 11:00	62.40	4834	314	6.50
3/20/2018 12:00	62.90	5210	337	6.50
3/20/2018 13:00	63.90	5653	305	5.40
3/20/2018 14:00	63.90	6219	283	4.60
3/20/2018 15:00	64.90	6241	224	3.60
3/20/2018 16:00	66.70	5714	187	3.30
3/20/2018 17:00	67.40	5350	153	2.90
3/20/2018 18:00	68.30	4154	144	3.50
3/20/2018 19:00	66.50	3457	123	3.60
3/20/2018 20:00	67.00	2836	108	3.80
3/20/2018 21:00	66.70	2429	88	3.60
3/20/2018 22:00	67.00	1615	59	3.70
3/20/2018 23:00	66.90	992	33	3.30
3/21/2018 0:00	66.80	656	35	5.30
3/21/2018 1:00	66.30	409	23	5.60
3/21/2018 2:00	66.10	497	43	8.70
3/21/2018 3:00	66.80	738	55	7.50
3/21/2018 4:00	67.90	2201	92	4.20
3/21/2018 5:00	68.90	6118	202	3.30
3/21/2018 6:00	32.30	7947	323	4.10
3/21/2018 7:00	26.40	8117	445	5.50
3/21/2018 8:00	24.50	7415	293	4.00
3/21/2018 9:00	36.90	6662	344	5.20
3/21/2018 10:00	63.40	4958	316	6.40
3/21/2018 11:00	63.20	5001	298	6.00
3/21/2018 12:00	63.30	5265	320	6.10
3/21/2018 13:00	62.10	5878	328	5.60
3/21/2018 14:00	63.80	6156	278	4.50
3/21/2018 15:00	64.70	6237	216	3.50
3/21/2018 16:00	66.70	5785	182	3.10
3/21/2018 17:00	67.60	5135	150	2.90
3/21/2018 18:00	68.40	4264	120	2.80
3/21/2018 19:00	66.30	3381	126	3.70
3/21/2018 20:00	65.80	2965	125	4.20
3/21/2018 21:00	66.30	2460	101	4.10
3/21/2018 22:00	68.00	1616	55	3.40
3/21/2018 23:00	67.50	1077	26	2.40
3/22/2018 0:00	67.20	717	32	4.50
3/22/2018 1:00	66.70	534	33	6.20
3/22/2018 2:00	67.00	522	29	5.60
3/22/2018 3:00	66.80	790	51	6.50
3/22/2018 4:00	68.30	2217	98	4.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/22/2018 5:00	68.10	6039	186	3.10
3/22/2018 6:00	29.90	7879	273	3.50
3/22/2018 7:00	24.40	7853	474	6.00
3/22/2018 8:00	26.50	7271	460	6.30
3/22/2018 9:00	60.00	5687	281	4.90
3/22/2018 10:00	59.20	4985	309	6.20
3/22/2018 11:00	60.20	4937	299	6.10
3/22/2018 12:00	61.40	5353	273	5.10
3/22/2018 13:00	60.90	5726	307	5.40
3/22/2018 14:00	61.70	6230	264	4.20
3/22/2018 15:00	62.30	6328	207	3.30
3/22/2018 16:00	64.20	5638	170	3.00
3/22/2018 17:00	65.90	5142	159	3.10
3/22/2018 18:00	66.00	4001	122	3.00
3/22/2018 19:00	63.80	3219	125	3.90
3/22/2018 20:00	63.10	2699	115	4.30
3/22/2018 21:00	65.60	2377	79	3.30
3/22/2018 22:00	65.40	1523	55	3.60
3/22/2018 23:00	66.10	1141	36	3.20
3/23/2018 0:00	66.00	764	26	3.40
3/23/2018 1:00	65.80	518	26	5.00
3/23/2018 2:00	66.60	489	26	5.30
3/23/2018 3:00	66.90	754	47	6.20
3/23/2018 4:00	67.40	2073	97	4.70
3/23/2018 5:00	68.40	5595	168	3.00
3/23/2018 6:00	43.40	8088	335	4.10
3/23/2018 7:00	20.00	6537	364	5.60
3/23/2018 8:00	22.00	7112	385	5.40
3/23/2018 9:00	53.10	6120	325	5.30
3/23/2018 10:00	62.70	5240	286	5.50
3/23/2018 11:00	62.80	5531	287	5.20
3/23/2018 12:00	62.80	6014	312	5.20
3/23/2018 13:00	62.70	6107	289	4.70
3/23/2018 14:00	61.00	6199	243	3.90
3/23/2018 15:00	63.70	5849	212	3.60
3/23/2018 16:00	65.80	5146	152	3.00
3/23/2018 17:00	67.00	4929	144	2.90
3/23/2018 18:00	67.70	4098	132	3.20
3/23/2018 19:00	66.40	3681	132	3.60
3/23/2018 20:00	65.90	3023	102	3.40
3/23/2018 21:00	66.20	2679	80	3.00
3/23/2018 22:00	66.30	2003	57	2.80
3/23/2018 23:00	66.20	1503	43	2.90
3/24/2018 0:00	66.90	1041	24	2.30
3/24/2018 1:00	66.10	766	31	4.00
3/24/2018 2:00	66.80	740	26	3.50
3/24/2018 3:00	66.70	638	32	5.00
3/24/2018 4:00	67.50	1097	49	4.50
3/24/2018 5:00	67.40	1792	59	3.30
3/24/2018 6:00	64.30	2822	108	3.80
3/24/2018 7:00	66.20	3992	129	3.20
3/24/2018 8:00	66.70	4333	124	2.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/24/2018 9:00	65.90	4601	157	3.40
3/24/2018 10:00	65.00	4755	180	3.80
3/24/2018 11:00	64.90	5201	193	3.70
3/24/2018 12:00	65.40	5638	186	3.30
3/24/2018 13:00	63.80	5456	228	4.20
3/24/2018 14:00	62.80	5465	143	2.60
3/24/2018 15:00	63.20	5356	137	2.60
3/24/2018 16:00	65.70	5004	133	2.70
3/24/2018 17:00	67.00	4370	121	2.80
3/24/2018 18:00	67.10	3987	91	2.30
3/24/2018 19:00	66.30	3566	85	2.40
3/24/2018 20:00	65.90	3245	76	2.30
3/24/2018 21:00	66.90	2902	66	2.30
3/24/2018 22:00	68.10	2230	46	2.10
3/24/2018 23:00	67.00	1741	34	2.00
3/25/2018 0:00	67.40	1283	18	1.40
3/25/2018 1:00	66.40	955	21	2.20
3/25/2018 2:00	66.30	671	9	1.30
3/25/2018 3:00	66.10	705	16	2.30
3/25/2018 4:00	66.90	640	14	2.20
3/25/2018 5:00	67.20	995	28	2.80
3/25/2018 6:00	67.80	1556	39	2.50
3/25/2018 7:00	67.60	2175	54	2.50
3/25/2018 8:00	66.70	2835	73	2.60
3/25/2018 9:00	66.30	3426	93	2.70
3/25/2018 10:00	66.20	3861	113	2.90
3/25/2018 11:00	66.10	4280	134	3.10
3/25/2018 12:00	66.10	4786	129	2.70
3/25/2018 13:00	65.80	5039	130	2.60
3/25/2018 14:00	66.00	4795	117	2.40
3/25/2018 15:00	66.10	4683	120	2.60
3/25/2018 16:00	66.40	4515	111	2.50
3/25/2018 17:00	67.00	4302	102	2.40
3/25/2018 18:00	67.10	3650	82	2.20
3/25/2018 19:00	65.90	3617	87	2.40
3/25/2018 20:00	65.90	3033	72	2.40
3/25/2018 21:00	67.40	2575	63	2.40
3/25/2018 22:00	67.20	1809	39	2.20
3/25/2018 23:00	67.50	1330	28	2.10
3/26/2018 0:00	67.90	949	22	2.30
3/26/2018 1:00	67.40	752	27	3.60
3/26/2018 2:00	66.30	749	45	6.00
3/26/2018 3:00	67.60	984	40	4.10
3/26/2018 4:00	68.50	2313	98	4.20
3/26/2018 5:00	69.70	5987	175	2.90
3/26/2018 6:00	26.30	7182	117	1.60
3/26/2018 7:00	20.90	7148	228	3.20
3/26/2018 8:00	31.40	6918	366	5.30
3/26/2018 9:00	63.70	5650	298	5.30
3/26/2018 10:00	62.80	5058	320	6.30
3/26/2018 11:00	62.40	4825	327	6.80
3/26/2018 12:00	63.40	5096	313	6.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/26/2018 13:00	63.70	5461	276	5.10
3/26/2018 14:00	63.30	5935	278	4.70
3/26/2018 15:00	64.70	5994	229	3.80
3/26/2018 16:00	65.80	5502	199	3.60
3/26/2018 17:00	67.00	4931	163	3.30
3/26/2018 18:00	67.50	3771	134	3.60
3/26/2018 19:00	66.80	3140	108	3.40
3/26/2018 20:00	67.20	2717	90	3.30
3/26/2018 21:00	66.50	2256	93	4.10
3/26/2018 22:00	67.10	1500	60	4.00
3/26/2018 23:00	66.30	1134	43	3.80
3/27/2018 0:00	67.20	788	32	4.10
3/27/2018 1:00	67.00	532	24	4.50
3/27/2018 2:00	66.40	520	30	5.80
3/27/2018 3:00	66.80	793	61	7.70
3/27/2018 4:00	69.30	2221	99	4.50
3/27/2018 5:00	69.90	6002	196	3.30
3/27/2018 6:00	29.40	7811	313	4.00
3/27/2018 7:00	27.90	7859	354	4.50
3/27/2018 8:00	30.20	7395	375	5.10
3/27/2018 9:00	62.50	5955	337	5.70
3/27/2018 10:00	62.50	5226	338	6.50
3/27/2018 11:00	63.00	5016	290	5.80
3/27/2018 12:00	63.50	5201	279	5.40
3/27/2018 13:00	62.30	5572	326	5.90
3/27/2018 14:00	63.30	6117	286	4.70
3/27/2018 15:00	64.90	6122	225	3.70
3/27/2018 16:00	65.80	5594	179	3.20
3/27/2018 17:00	67.10	4909	147	3.00
3/27/2018 18:00	68.20	3969	133	3.40
3/27/2018 19:00	66.10	3260	118	3.60
3/27/2018 20:00	66.30	2863	125	4.40
3/27/2018 21:00	66.30	2360	79	3.30
3/27/2018 22:00	67.20	1611	28	1.70
3/27/2018 23:00	65.80	1090	44	4.00
3/28/2018 0:00	67.10	724	26	3.60
3/28/2018 1:00	66.50	471	25	5.30
3/28/2018 2:00	66.20	481	33	6.90
3/28/2018 3:00	67.50	793	40	5.00
3/28/2018 4:00	67.80	2186	97	4.40
3/28/2018 5:00	69.80	6043	179	3.00
3/28/2018 6:00	37.60	8157	309	3.80
3/28/2018 7:00	26.70	7904	400	5.10
3/28/2018 8:00	39.30	7007	330	4.70
3/28/2018 9:00	55.30	5854	329	5.60
3/28/2018 10:00	62.90	5060	324	6.40
3/28/2018 11:00	62.90	5291	347	6.60
3/28/2018 12:00	63.10	5212	315	6.00
3/28/2018 13:00	63.20	5809	324	5.60
3/28/2018 14:00	64.40	6300	266	4.20
3/28/2018 15:00	64.90	6089	220	3.60
3/28/2018 16:00	66.90	5346	189	3.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/28/2018 17:00	67.40	4731	167	3.50
3/28/2018 18:00	67.80	4049	130	3.20
3/28/2018 19:00	67.30	3393	105	3.10
3/28/2018 20:00	66.80	2918	102	3.50
3/28/2018 21:00	66.80	2430	83	3.40
3/28/2018 22:00	65.20	1726	77	4.50
3/28/2018 23:00	67.10	1128	30	2.70
3/29/2018 0:00	66.70	815	37	4.50
3/29/2018 1:00	66.10	550	35	6.40
3/29/2018 2:00	66.10	503	33	6.60
3/29/2018 3:00	66.70	824	54	6.60
3/29/2018 4:00	68.80	2290	108	4.70
3/29/2018 5:00	70.10	6058	180	3.00
3/29/2018 6:00	30.40	7869	275	3.50
3/29/2018 7:00	26.80	7817	377	4.80
3/29/2018 8:00	39.80	6641	311	4.70
3/29/2018 9:00	60.60	5916	307	5.20
3/29/2018 10:00	60.70	5275	327	6.20
3/29/2018 11:00	60.50	5354	350	6.50
3/29/2018 12:00	60.40	5460	325	6.00
3/29/2018 13:00	60.80	5742	302	5.30
3/29/2018 14:00	61.20	6131	275	4.50
3/29/2018 15:00	62.20	6073	221	3.60
3/29/2018 16:00	63.60	5198	150	2.90
3/29/2018 17:00	65.20	4887	160	3.30
3/29/2018 18:00	65.90	3949	118	3.00
3/29/2018 19:00	64.90	3638	118	3.20
3/29/2018 20:00	64.70	3097	97	3.10
3/29/2018 21:00	65.50	2556	98	3.80
3/29/2018 22:00	68.00	1836	49	2.70
3/29/2018 23:00	67.20	1260	35	2.80
3/30/2018 0:00	65.60	862	40	4.60
3/30/2018 1:00	66.70	627	29	4.60
3/30/2018 2:00	65.80	612	44	7.20
3/30/2018 3:00	67.00	761	34	4.50
3/30/2018 4:00	67.40	2079	101	4.90
3/30/2018 5:00	69.70	5187	139	2.70
3/30/2018 6:00	37.60	7239	197	2.70
3/30/2018 7:00	39.40	7107	321	4.50
3/30/2018 8:00	63.80	6135	280	4.60
3/30/2018 9:00	63.00	5584	306	5.50
3/30/2018 10:00	63.70	5323	291	5.50
3/30/2018 11:00	63.00	5705	319	5.60
3/30/2018 12:00	63.80	6094	317	5.20
3/30/2018 13:00	63.70	6034	295	4.90
3/30/2018 14:00	64.20	6281	237	3.80
3/30/2018 15:00	65.50	5307	186	3.50
3/30/2018 16:00	66.50	4802	139	2.90
3/30/2018 17:00	67.90	4454	127	2.90
3/30/2018 18:00	68.40	3898	122	3.10
3/30/2018 19:00	67.60	3308	88	2.70
3/30/2018 20:00	67.30	2937	81	2.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/30/2018 21:00	66.40	2726	86	3.20
3/30/2018 22:00	67.30	2354	63	2.70
3/30/2018 23:00	67.10	1678	40	2.40
3/31/2018 0:00	66.50	1128	45	4.00
3/31/2018 1:00	66.80	837	31	3.70
3/31/2018 2:00	66.60	665	26	3.90
3/31/2018 3:00	66.70	591	25	4.20
3/31/2018 4:00	68.10	957	32	3.30
3/31/2018 5:00	67.60	1519	61	4.00
3/31/2018 6:00	65.10	2398	88	3.70
3/31/2018 7:00	65.70	3363	137	4.10
3/31/2018 8:00	66.10	4068	154	3.80
3/31/2018 9:00	65.90	4526	162	3.60
3/31/2018 10:00	66.20	4783	164	3.40
3/31/2018 11:00	65.40	5224	181	3.50
3/31/2018 12:00	65.30	5338	171	3.20
3/31/2018 13:00	66.00	5191	164	3.20
3/31/2018 14:00	66.80	5244	154	2.90
3/31/2018 15:00	66.90	4920	124	2.50
3/31/2018 16:00	67.50	4655	107	2.30
3/31/2018 17:00	68.00	4412	112	2.50
3/31/2018 18:00	67.40	3813	80	2.10
3/31/2018 19:00	66.50	3477	79	2.30
3/31/2018 20:00	66.60	3355	57	1.70
3/31/2018 21:00	67.40	3002	64	2.10
3/31/2018 22:00	67.50	2260	41	1.80
3/31/2018 23:00	67.20	1635	28	1.70
4/01/2018 0:00	66.90	1166	16	1.40
4/01/2018 1:00	66.60	814	12	1.50
4/01/2018 2:00	66.60	660	13	2.00
4/01/2018 3:00	66.60	505	11	2.20
4/01/2018 4:00	66.70	542	10	1.80
4/01/2018 5:00	66.70	866	27	3.10
4/01/2018 6:00	68.00	1274	20	1.60
4/01/2018 7:00	68.00	1972	42	2.10
4/01/2018 8:00	67.40	2399	59	2.50
4/01/2018 9:00	67.20	3340	79	2.40
4/01/2018 10:00	66.70	3880	96	2.50
4/01/2018 11:00	66.00	4654	111	2.40
4/01/2018 12:00	65.70	5246	141	2.70
4/01/2018 13:00	66.30	5393	134	2.50
4/01/2018 14:00	66.80	4856	118	2.40
4/01/2018 15:00	67.10	4512	96	2.10
4/01/2018 16:00	67.40	4342	92	2.10
4/01/2018 17:00	67.00	3995	86	2.20
4/01/2018 18:00	66.90	4118	88	2.10
4/01/2018 19:00	65.70	4101	73	1.80
4/01/2018 20:00	65.70	3400	68	2.00
4/01/2018 21:00	67.20	2659	63	2.40
4/01/2018 22:00	66.80	1628	47	2.90
4/01/2018 23:00	66.80	1132	43	3.80
4/02/2018 0:00	66.20	786	27	3.40



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/02/2018 1:00	66.50	550	27	4.90
4/02/2018 2:00	66.70	593	27	4.60
4/02/2018 3:00	67.70	888	37	4.20
4/02/2018 4:00	68.20	2252	90	4.00
4/02/2018 5:00	70.00	5960	156	2.60
4/02/2018 6:00	33.70	7894	307	3.90
4/02/2018 7:00	26.00	7936	561	7.10
4/02/2018 8:00	40.40	6957	371	5.30
4/02/2018 9:00	62.70	5893	334	5.70
4/02/2018 10:00	62.60	4938	299	6.10
4/02/2018 11:00	62.50	4756	297	6.20
4/02/2018 12:00	62.60	5128	308	6.00
4/02/2018 13:00	63.10	5541	322	5.80
4/02/2018 14:00	63.90	6026	284	4.70
4/02/2018 15:00	64.50	6238	241	3.90
4/02/2018 16:00	65.90	5873	201	3.40
4/02/2018 17:00	67.10	5199	158	3.00
4/02/2018 18:00	66.90	3970	149	3.80
4/02/2018 19:00	66.70	3135	111	3.50
4/02/2018 20:00	66.60	2772	99	3.60
4/02/2018 21:00	67.10	2374	91	3.80
4/02/2018 22:00	68.40	1735	65	3.70
4/02/2018 23:00	66.90	1093	38	3.50
4/03/2018 0:00	65.80	702	50	7.10
4/03/2018 1:00	66.10	485	30	6.20
4/03/2018 2:00	65.90	466	37	7.90
4/03/2018 3:00	67.50	795	52	6.50
4/03/2018 4:00	69.60	2228	78	3.50
4/03/2018 5:00	69.70	6100	181	3.00
4/03/2018 6:00	35.60	8112	428	5.30
4/03/2018 7:00	25.80	7906	466	5.90
4/03/2018 8:00	25.90	7329	423	5.80
4/03/2018 9:00	57.20	6120	319	5.20
4/03/2018 10:00	62.90	4874	276	5.70
4/03/2018 11:00	62.20	4837	319	6.60
4/03/2018 12:00	62.80	5228	306	5.90
4/03/2018 13:00	63.20	5514	286	5.20
4/03/2018 14:00	63.80	6208	266	4.30
4/03/2018 15:00	64.80	6158	218	3.50
4/03/2018 16:00	66.10	5855	180	3.10
4/03/2018 17:00	67.70	5223	137	2.60
4/03/2018 18:00	67.10	4155	133	3.20
4/03/2018 19:00	65.60	3360	131	3.90
4/03/2018 20:00	65.80	2896	109	3.80
4/03/2018 21:00	66.90	2474	100	4.00
4/03/2018 22:00	67.60	1932	61	3.20
4/03/2018 23:00	67.30	1603	63	3.90
4/04/2018 0:00	66.00	718	39	5.40
4/04/2018 1:00	65.50	478	36	7.50
4/04/2018 2:00	66.30	472	30	6.40
4/04/2018 3:00	65.90	824	60	7.30
4/04/2018 4:00	67.50	2234	96	4.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/04/2018 5:00	68.70	6085	213	3.50
4/04/2018 6:00	33.80	7849	346	4.40
4/04/2018 7:00	28.00	7829	405	5.20
4/04/2018 8:00	24.50	7307	370	5.10
4/04/2018 9:00	55.50	6066	280	4.60
4/04/2018 10:00	60.80	4980	307	6.20
4/04/2018 11:00	62.80	4948	298	6.00
4/04/2018 12:00	63.50	5234	286	5.50
4/04/2018 13:00	62.60	5927	321	5.40
4/04/2018 14:00	62.70	6329	291	4.60
4/04/2018 15:00	64.70	6235	251	4.00
4/04/2018 16:00	65.90	5505	179	3.30
4/04/2018 17:00	67.40	5189	163	3.10
4/04/2018 18:00	67.60	4176	126	3.00
4/04/2018 19:00	66.30	3361	116	3.50
4/04/2018 20:00	65.90	2957	100	3.40
4/04/2018 21:00	65.80	2622	107	4.10
4/04/2018 22:00	66.50	1851	59	3.20
4/04/2018 23:00	66.40	1190	39	3.30
4/05/2018 0:00	65.80	734	41	5.60
4/05/2018 1:00	65.50	524	43	8.20
4/05/2018 2:00	66.10	528	35	6.60
4/05/2018 3:00	67.20	829	51	6.20
4/05/2018 4:00	68.00	2204	107	4.90
4/05/2018 5:00	69.40	6153	187	3.00
4/05/2018 6:00	29.80	7776	280	3.60
4/05/2018 7:00	22.50	7446	418	5.60
4/05/2018 8:00	23.90	7265	303	4.20
4/05/2018 9:00	43.20	6044	370	6.10
4/05/2018 10:00	62.40	5145	318	6.20
4/05/2018 11:00	62.30	5111	305	6.00
4/05/2018 12:00	62.20	5268	306	5.80
4/05/2018 13:00	62.40	5533	327	5.90
4/05/2018 14:00	63.50	6295	276	4.40
4/05/2018 15:00	64.50	6311	215	3.40
4/05/2018 16:00	65.60	5809	196	3.40
4/05/2018 17:00	67.50	5057	145	2.90
4/05/2018 18:00	67.30	4325	140	3.20
4/05/2018 19:00	66.60	3668	127	3.50
4/05/2018 20:00	65.70	2992	113	3.80
4/05/2018 21:00	66.20	2721	102	3.70
4/05/2018 22:00	67.00	1927	73	3.80
4/05/2018 23:00	66.60	1234	47	3.80
4/06/2018 0:00	65.70	936	52	5.60
4/06/2018 1:00	65.90	562	27	4.80
4/06/2018 2:00	66.20	563	40	7.10
4/06/2018 3:00	66.60	823	50	6.10
4/06/2018 4:00	68.60	2115	98	4.60
4/06/2018 5:00	69.20	5813	190	3.30
4/06/2018 6:00	42.80	8002	334	4.20
4/06/2018 7:00	27.20	7933	491	6.20
4/06/2018 8:00	52.70	6728	309	4.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/06/2018 9:00	62.50	5996	343	5.70
4/06/2018 10:00	62.20	5399	340	6.30
4/06/2018 11:00	61.70	5550	351	6.30
4/06/2018 12:00	62.40	5911	319	5.40
4/06/2018 13:00	62.30	6286	333	5.30
4/06/2018 14:00	62.90	6612	291	4.40
4/06/2018 15:00	64.00	5908	237	4.00
4/06/2018 16:00	65.60	4762	167	3.50
4/06/2018 17:00	67.20	4401	128	2.90
4/06/2018 18:00	67.30	4177	131	3.10
4/06/2018 19:00	66.50	3685	95	2.60
4/06/2018 20:00	66.30	3105	98	3.20
4/06/2018 21:00	66.30	2751	103	3.70
4/06/2018 22:00	66.60	2182	45	2.10
4/06/2018 23:00	66.20	1547	36	2.30
4/07/2018 0:00	66.70	1076	42	3.90
4/07/2018 1:00	66.00	757	31	4.10
4/07/2018 2:00	66.80	693	25	3.60
4/07/2018 3:00	67.00	621	20	3.20
4/07/2018 4:00	67.10	980	44	4.50
4/07/2018 5:00	68.00	1798	63	3.50
4/07/2018 6:00	66.40	2967	95	3.20
4/07/2018 7:00	66.20	3891	122	3.10
4/07/2018 8:00	65.80	4481	139	3.10
4/07/2018 9:00	65.70	4768	165	3.50
4/07/2018 10:00	64.80	4985	179	3.60
4/07/2018 11:00	64.90	5402	196	3.60
4/07/2018 12:00	65.10	5517	181	3.30
4/07/2018 13:00	65.80	5437	160	2.90
4/07/2018 14:00	66.80	5288	146	2.80
4/07/2018 15:00	66.50	5163	125	2.40
4/07/2018 16:00	66.90	4854	131	2.70
4/07/2018 17:00	67.20	4331	90	2.10
4/07/2018 18:00	67.80	4008	90	2.20
4/07/2018 19:00	66.50	3534	76	2.20
4/07/2018 20:00	65.30	3222	64	2.00
4/07/2018 21:00	66.60	2819	66	2.30
4/07/2018 22:00	66.60	2570	42	1.60
4/07/2018 23:00	67.10	1816	27	1.50
4/08/2018 0:00	67.00	1295	29	2.20
4/08/2018 1:00	66.90	924	9	1.00
4/08/2018 2:00	66.80	795	14	1.80
4/08/2018 3:00	66.10	609	16	2.60
4/08/2018 4:00	67.00	591	18	3.00
4/08/2018 5:00	67.80	1090	24	2.20
4/08/2018 6:00	67.40	1662	40	2.40
4/08/2018 7:00	67.30	2258	58	2.60
4/08/2018 8:00	65.60	2890	82	2.80
4/08/2018 9:00	66.50	3564	98	2.70
4/08/2018 10:00	66.00	3954	113	2.90
4/08/2018 11:00	65.20	4226	137	3.20
4/08/2018 12:00	65.20	4820	134	2.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/08/2018 13:00	65.50	4918	137	2.80
4/08/2018 14:00	66.00	4750	116	2.40
4/08/2018 15:00	65.90	4497	117	2.60
4/08/2018 16:00	66.40	4428	109	2.50
4/08/2018 17:00	65.90	4091	93	2.30
4/08/2018 18:00	66.00	3810	94	2.50
4/08/2018 19:00	64.70	3547	110	3.10
4/08/2018 20:00	64.70	3035	85	2.80
4/08/2018 21:00	67.10	2538	62	2.40
4/08/2018 22:00	67.40	1867	50	2.70
4/08/2018 23:00	66.60	1369	41	3.00
4/09/2018 0:00	67.10	961	26	2.70
4/09/2018 1:00	67.20	714	26	3.60
4/09/2018 2:00	66.40	610	29	4.80
4/09/2018 3:00	67.10	895	46	5.10
4/09/2018 4:00	68.00	2232	98	4.40
4/09/2018 5:00	68.90	6010	171	2.80
4/09/2018 6:00	34.50	8115	273	3.40
4/09/2018 7:00	25.40	7753	489	6.30
4/09/2018 8:00	23.40	7183	327	4.60
4/09/2018 9:00	52.60	5917	324	5.50
4/09/2018 10:00	61.90	4946	337	6.80
4/09/2018 11:00	62.20	4717	307	6.50
4/09/2018 12:00	61.80	5063	309	6.10
4/09/2018 13:00	63.40	5396	291	5.40
4/09/2018 14:00	63.60	6010	278	4.60
4/09/2018 15:00	63.90	6002	240	4.00
4/09/2018 16:00	64.80	5599	192	3.40
4/09/2018 17:00	67.30	5002	150	3.00
4/09/2018 18:00	67.40	3776	132	3.50
4/09/2018 19:00	66.20	3314	106	3.20
4/09/2018 20:00	66.20	2848	117	4.10
4/09/2018 21:00	66.60	2251	91	4.00
4/09/2018 22:00	67.50	1506	46	3.10
4/09/2018 23:00	66.40	993	34	3.40
4/10/2018 0:00	66.70	690	40	5.80
4/10/2018 1:00	66.90	507	27	5.30
4/10/2018 2:00	66.50	494	34	6.90
4/10/2018 3:00	67.80	789	47	6.00
4/10/2018 4:00	70.20	2226	88	4.00
4/10/2018 5:00	70.40	6064	181	3.00
4/10/2018 6:00	33.00	7990	325	4.10
4/10/2018 7:00	26.10	7904	406	5.10
4/10/2018 8:00	26.10	7583	415	5.50
4/10/2018 9:00	42.20	6478	347	5.40
4/10/2018 10:00	62.30	4910	312	6.40
4/10/2018 11:00	61.60	4755	310	6.50
4/10/2018 12:00	62.20	5094	303	5.90
4/10/2018 13:00	63.00	5388	302	5.60
4/10/2018 14:00	63.70	6041	252	4.20
4/10/2018 15:00	64.00	6349	233	3.70
4/10/2018 16:00	65.80	5761	182	3.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/10/2018 17:00	67.10	4997	159	3.20
4/10/2018 18:00	67.70	3809	102	2.70
4/10/2018 19:00	65.50	3359	125	3.70
4/10/2018 20:00	65.10	2893	114	3.90
4/10/2018 21:00	65.40	2633	116	4.40
4/10/2018 22:00	66.60	1855	64	3.50
4/10/2018 23:00	67.20	1353	48	3.50
4/11/2018 0:00	66.20	694	31	4.50
4/11/2018 1:00	65.60	456	36	7.90
4/11/2018 2:00	66.20	467	41	8.80
4/11/2018 3:00	65.90	830	60	7.20
4/11/2018 4:00	68.50	2250	98	4.40
4/11/2018 5:00	69.30	6204	210	3.40
4/11/2018 6:00	31.30	7947	349	4.40
4/11/2018 7:00	24.50	7587	416	5.50
4/11/2018 8:00	25.60	7376	312	4.20
4/11/2018 9:00	44.30	6219	315	5.10
4/11/2018 10:00	62.70	4845	324	6.70
4/11/2018 11:00	62.50	4737	299	6.30
4/11/2018 12:00	62.30	5134	307	6.00
4/11/2018 13:00	62.70	5613	313	5.60
4/11/2018 14:00	63.90	6050	278	4.60
4/11/2018 15:00	64.60	6410	220	3.40
4/11/2018 16:00	65.60	5752	185	3.20
4/11/2018 17:00	67.40	5092	156	3.10
4/11/2018 18:00	68.00	4187	145	3.50
4/11/2018 19:00	66.50	3368	125	3.70
4/11/2018 20:00	65.40	2906	120	4.10
4/11/2018 21:00	66.60	2598	95	3.70
4/11/2018 22:00	67.30	1671	51	3.10
4/11/2018 23:00	65.90	1141	52	4.60
4/12/2018 0:00	66.50	760	41	5.40
4/12/2018 1:00	66.10	482	30	6.20
4/12/2018 2:00	66.30	536	35	6.50
4/12/2018 3:00	66.20	868	62	7.10
4/12/2018 4:00	68.20	2269	107	4.70
4/12/2018 5:00	70.00	6334	193	3.00
4/12/2018 6:00	31.90	7962	455	5.70
4/12/2018 7:00	24.60	7760	445	5.70
4/12/2018 8:00	25.30	7201	454	6.30
4/12/2018 9:00	58.20	6138	346	5.60
4/12/2018 10:00	62.00	5093	322	6.30
4/12/2018 11:00	62.10	5186	312	6.00
4/12/2018 12:00	62.60	5329	319	6.00
4/12/2018 13:00	63.10	5582	304	5.40
4/12/2018 14:00	62.60	6434	306	4.80
4/12/2018 15:00	64.00	6326	213	3.40
4/12/2018 16:00	65.20	5822	190	3.30
4/12/2018 17:00	66.50	5404	174	3.20
4/12/2018 18:00	66.30	4118	137	3.30
4/12/2018 19:00	66.50	3493	112	3.20
4/12/2018 20:00	66.10	3011	112	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/12/2018 21:00	66.60	2643	107	4.00
4/12/2018 22:00	67.50	1905	65	3.40
4/12/2018 23:00	67.10	1153	36	3.10
4/13/2018 0:00	66.30	766	41	5.40
4/13/2018 1:00	65.50	524	38	7.30
4/13/2018 2:00	66.10	583	39	6.70
4/13/2018 3:00	65.80	789	58	7.40
4/13/2018 4:00	68.40	2239	101	4.50
4/13/2018 5:00	69.20	6076	190	3.10
4/13/2018 6:00	36.30	8301	400	4.80
4/13/2018 7:00	23.50	7526	458	6.10
4/13/2018 8:00	15.80	5505	503	9.10
4/13/2018 9:00	56.00	5705	297	5.20
4/13/2018 10:00	62.30	5130	315	6.10
4/13/2018 11:00	63.70	5367	307	5.70
4/13/2018 12:00	62.50	5783	322	5.60
4/13/2018 13:00	62.80	6242	300	4.80
4/13/2018 14:00	63.40	6295	270	4.30
4/13/2018 15:00	64.50	6039	200	3.30
4/13/2018 16:00	66.20	5156	170	3.30
4/13/2018 17:00	66.80	4600	142	3.10
4/13/2018 18:00	67.40	3891	118	3.00
4/13/2018 19:00	67.00	3418	91	2.70
4/13/2018 20:00	66.60	3052	101	3.30
4/13/2018 21:00	66.30	2738	106	3.90
4/13/2018 22:00	67.20	2417	59	2.40
4/13/2018 23:00	67.10	1967	62	3.20
4/14/2018 0:00	66.40	1187	46	3.90
4/14/2018 1:00	66.20	837	37	4.40
4/14/2018 2:00	66.80	687	24	3.50
4/14/2018 3:00	67.00	666	26	3.90
4/14/2018 4:00	66.80	1073	57	5.30
4/14/2018 5:00	67.50	1886	74	3.90
4/14/2018 6:00	66.10	3016	114	3.80
4/14/2018 7:00	66.10	3990	135	3.40
4/14/2018 8:00	65.50	4501	149	3.30
4/14/2018 9:00	65.50	4651	173	3.70
4/14/2018 10:00	65.40	4538	168	3.70
4/14/2018 11:00	65.20	5057	195	3.90
4/14/2018 12:00	65.70	5341	180	3.40
4/14/2018 13:00	65.80	5247	158	3.00
4/14/2018 14:00	66.20	5064	160	3.20
4/14/2018 15:00	65.50	5089	144	2.80
4/14/2018 16:00	66.40	4771	125	2.60
4/14/2018 17:00	67.20	4266	109	2.60
4/14/2018 18:00	67.10	3932	101	2.60
4/14/2018 19:00	66.90	3576	90	2.50
4/14/2018 20:00	66.30	3414	74	2.20
4/14/2018 21:00	67.60	3409	73	2.10
4/14/2018 22:00	66.70	2568	53	2.10
4/14/2018 23:00	67.20	1922	41	2.10
4/15/2018 0:00	67.50	1313	17	1.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/15/2018 1:00	66.70	914	20	2.20
4/15/2018 2:00	66.90	758	20	2.60
4/15/2018 3:00	66.80	505	10	2.00
4/15/2018 4:00	66.90	596	18	3.00
4/15/2018 5:00	66.90	1016	21	2.10
4/15/2018 6:00	67.20	1752	37	2.10
4/15/2018 7:00	66.60	2353	68	2.90
4/15/2018 8:00	66.80	2942	88	3.00
4/15/2018 9:00	66.90	3653	91	2.50
4/15/2018 10:00	65.70	3962	132	3.30
4/15/2018 11:00	65.40	4239	134	3.20
4/15/2018 12:00	65.80	4725	130	2.80
4/15/2018 13:00	66.00	4733	135	2.90
4/15/2018 14:00	66.70	4757	130	2.70
4/15/2018 15:00	67.00	4744	116	2.40
4/15/2018 16:00	66.70	5002	121	2.40
4/15/2018 17:00	67.10	4569	93	2.00
4/15/2018 18:00	66.90	3936	80	2.00
4/15/2018 19:00	65.80	3588	73	2.00
4/15/2018 20:00	65.10	3009	69	2.30
4/15/2018 21:00	67.00	2439	58	2.40
4/15/2018 22:00	67.00	1704	41	2.40
4/15/2018 23:00	67.20	1222	32	2.60
4/16/2018 0:00	65.80	808	32	4.00
4/16/2018 1:00	66.70	559	24	4.30
4/16/2018 2:00	66.70	542	23	4.20
4/16/2018 3:00	66.70	791	46	5.80
4/16/2018 4:00	69.00	2214	71	3.20
4/16/2018 5:00	68.70	6042	167	2.80
4/16/2018 6:00	34.00	8210	367	4.50
4/16/2018 7:00	25.50	7877	457	5.80
4/16/2018 8:00	37.20	7419	406	5.50
4/16/2018 9:00	63.30	5551	293	5.30
4/16/2018 10:00	61.70	4969	309	6.20
4/16/2018 11:00	61.70	4684	291	6.20
4/16/2018 12:00	61.00	5002	327	6.50
4/16/2018 13:00	62.50	5419	305	5.60
4/16/2018 14:00	63.90	5894	263	4.50
4/16/2018 15:00	63.80	6057	231	3.80
4/16/2018 16:00	65.30	5710	189	3.30
4/16/2018 17:00	65.90	5182	177	3.40
4/16/2018 18:00	66.70	3886	131	3.40
4/16/2018 19:00	65.20	3154	138	4.40
4/16/2018 20:00	65.30	2696	95	3.50
4/16/2018 21:00	66.10	2429	83	3.40
4/16/2018 22:00	67.00	1738	58	3.30
4/16/2018 23:00	65.90	1051	47	4.50
4/17/2018 0:00	66.50	706	37	5.20
4/17/2018 1:00	65.10	438	44	10.00
4/17/2018 2:00	66.70	473	30	6.30
4/17/2018 3:00	66.70	837	56	6.70
4/17/2018 4:00	66.60	2173	103	4.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/17/2018 5:00	68.80	6228	197	3.20
4/17/2018 6:00	35.70	8256	253	3.10
4/17/2018 7:00	25.80	7805	388	5.00
4/17/2018 8:00	24.90	7476	350	4.70
4/17/2018 9:00	31.80	6840	394	5.80
4/17/2018 10:00	61.30	4831	304	6.30
4/17/2018 11:00	61.90	4774	286	6.00
4/17/2018 12:00	62.00	5018	296	5.90
4/17/2018 13:00	62.00	5607	321	5.70
4/17/2018 14:00	62.70	6223	300	4.80
4/17/2018 15:00	64.10	6137	220	3.60
4/17/2018 16:00	65.30	5608	176	3.10
4/17/2018 17:00	67.30	5136	148	2.90
4/17/2018 18:00	66.60	3859	126	3.30
4/17/2018 19:00	66.40	3342	116	3.50
4/17/2018 20:00	65.50	2923	113	3.90
4/17/2018 21:00	66.00	2441	96	3.90
4/17/2018 22:00	66.20	1646	52	3.20
4/17/2018 23:00	66.20	1148	44	3.80
4/18/2018 0:00	66.60	653	27	4.10
4/18/2018 1:00	65.80	457	40	8.80
4/18/2018 2:00	66.30	460	30	6.50
4/18/2018 3:00	66.40	759	47	6.20
4/18/2018 4:00	68.70	2146	78	3.60
4/18/2018 5:00	68.50	6212	196	3.20
4/18/2018 6:00	36.90	8232	312	3.80
4/18/2018 7:00	28.20	7980	441	5.50
4/18/2018 8:00	25.10	7393	439	5.90
4/18/2018 9:00	34.40	6210	314	5.10
4/18/2018 10:00	62.60	4919	317	6.40
4/18/2018 11:00	62.70	4916	315	6.40
4/18/2018 12:00	62.50	5054	329	6.50
4/18/2018 13:00	62.60	5613	297	5.30
4/18/2018 14:00	63.70	6127	280	4.60
4/18/2018 15:00	65.20	6063	197	3.20
4/18/2018 16:00	66.40	5666	163	2.90
4/18/2018 17:00	67.20	5259	187	3.60
4/18/2018 18:00	67.30	4036	148	3.70
4/18/2018 19:00	67.00	3198	116	3.60
4/18/2018 20:00	65.90	3059	115	3.80
4/18/2018 21:00	67.10	2619	98	3.70
4/18/2018 22:00	66.90	1904	66	3.50
4/18/2018 23:00	66.60	1279	38	3.00
4/19/2018 0:00	65.80	701	43	6.10
4/19/2018 1:00	64.70	451	35	7.80
4/19/2018 2:00	66.70	528	29	5.50
4/19/2018 3:00	66.80	791	46	5.80
4/19/2018 4:00	68.30	2175	93	4.30
4/19/2018 5:00	70.40	6221	194	3.10
4/19/2018 6:00	33.70	8202	406	5.00
4/19/2018 7:00	25.20	7754	518	6.70
4/19/2018 8:00	24.60	7511	510	6.80



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/19/2018 9:00	47.50	6031	330	5.50
4/19/2018 10:00	57.90	5123	327	6.40
4/19/2018 11:00	61.50	4933	306	6.20
4/19/2018 12:00	62.40	5070	282	5.60
4/19/2018 13:00	63.00	5587	294	5.30
4/19/2018 14:00	63.00	6355	296	4.70
4/19/2018 15:00	64.90	6145	216	3.50
4/19/2018 16:00	65.40	5702	194	3.40
4/19/2018 17:00	67.70	5156	145	2.80
4/19/2018 18:00	67.50	4247	157	3.70
4/19/2018 19:00	66.90	3422	130	3.80
4/19/2018 20:00	65.70	3062	110	3.60
4/19/2018 21:00	66.70	2614	111	4.20
4/19/2018 22:00	67.20	1804	68	3.80
4/19/2018 23:00	66.50	1184	45	3.80
4/20/2018 0:00	65.70	715	39	5.50
4/20/2018 1:00	65.70	500	36	7.20
4/20/2018 2:00	65.80	534	38	7.10
4/20/2018 3:00	66.30	798	51	6.40
4/20/2018 4:00	67.20	2019	103	5.10
4/20/2018 5:00	69.00	5803	183	3.20
4/20/2018 6:00	40.80	8006	384	4.80
4/20/2018 7:00	29.40	7154	415	5.80
4/20/2018 8:00	33.20	7208	355	4.90
4/20/2018 9:00	61.80	5967	334	5.60
4/20/2018 10:00	61.40	5234	345	6.60
4/20/2018 11:00	62.50	5265	286	5.40
4/20/2018 12:00	62.00	6011	344	5.70
4/20/2018 13:00	63.00	6325	310	4.90
4/20/2018 14:00	62.80	6545	272	4.20
4/20/2018 15:00	64.20	5857	208	3.60
4/20/2018 16:00	66.00	4910	192	3.90
4/20/2018 17:00	67.00	4478	137	3.10
4/20/2018 18:00	67.50	3972	127	3.20
4/20/2018 19:00	66.70	3567	123	3.40
4/20/2018 20:00	65.90	3027	105	3.50
4/20/2018 21:00	66.60	2584	82	3.20
4/20/2018 22:00	67.00	2121	59	2.80
4/20/2018 23:00	66.70	1515	39	2.60
4/21/2018 0:00	66.10	1154	50	4.30
4/21/2018 1:00	65.80	706	25	3.50
4/21/2018 2:00	65.90	634	24	3.80
4/21/2018 3:00	66.80	605	17	2.80
4/21/2018 4:00	66.90	1045	49	4.70
4/21/2018 5:00	67.10	1820	70	3.80
4/21/2018 6:00	65.70	2940	114	3.90
4/21/2018 7:00	65.40	4033	150	3.70
4/21/2018 8:00	65.60	4303	156	3.60
4/21/2018 9:00	65.60	4436	171	3.90
4/21/2018 10:00	65.30	4704	184	3.90
4/21/2018 11:00	65.00	5043	178	3.50
4/21/2018 12:00	65.20	5197	171	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/21/2018 13:00	65.90	5279	156	3.00
4/21/2018 14:00	65.80	5367	171	3.20
4/21/2018 15:00	66.50	5087	132	2.60
4/21/2018 16:00	67.00	4927	138	2.80
4/21/2018 17:00	66.70	4582	118	2.60
4/21/2018 18:00	67.40	4001	90	2.20
4/21/2018 19:00	67.50	3434	82	2.40
4/21/2018 20:00	66.70	3256	68	2.10
4/21/2018 21:00	67.70	2853	57	2.00
4/21/2018 22:00	68.00	2436	55	2.30
4/21/2018 23:00	67.20	1840	35	1.90
4/22/2018 0:00	67.10	1293	24	1.90
4/22/2018 1:00	66.50	894	18	2.00
4/22/2018 2:00	66.30	716	15	2.10
4/22/2018 3:00	66.70	516	8	1.60
4/22/2018 4:00	66.30	628	21	3.30
4/22/2018 5:00	66.70	979	29	3.00
4/22/2018 6:00	67.90	1790	48	2.70
4/22/2018 7:00	66.90	2274	69	3.00
4/22/2018 8:00	66.60	2860	80	2.80
4/22/2018 9:00	66.20	3533	90	2.50
4/22/2018 10:00	65.80	4006	106	2.60
4/22/2018 11:00	65.60	4297	125	2.90
4/22/2018 12:00	64.90	5000	157	3.10
4/22/2018 13:00	65.20	5080	148	2.90
4/22/2018 14:00	66.40	4724	122	2.60
4/22/2018 15:00	66.30	4740	109	2.30
4/22/2018 16:00	66.40	4735	115	2.40
4/22/2018 17:00	66.50	4206	99	2.40
4/22/2018 18:00	65.70	4000	110	2.80
4/22/2018 19:00	66.20	3678	76	2.10
4/22/2018 20:00	65.00	3110	77	2.50
4/22/2018 21:00	67.40	2469	52	2.10
4/22/2018 22:00	67.40	1822	40	2.20
4/22/2018 23:00	68.20	1304	18	1.40
4/23/2018 0:00	66.90	895	31	3.50
4/23/2018 1:00	66.60	702	32	4.60
4/23/2018 2:00	67.00	706	22	3.10
4/23/2018 3:00	66.90	943	49	5.20
4/23/2018 4:00	67.00	2279	109	4.80
4/23/2018 5:00	68.30	6050	194	3.20
4/23/2018 6:00	31.80	7834	324	4.10
4/23/2018 7:00	24.90	7793	491	6.30
4/23/2018 8:00	27.10	7384	498	6.70
4/23/2018 9:00	61.20	5641	306	5.40
4/23/2018 10:00	61.10	4979	369	7.40
4/23/2018 11:00	61.90	4638	296	6.40
4/23/2018 12:00	62.10	5267	343	6.50
4/23/2018 13:00	62.60	5771	330	5.70
4/23/2018 14:00	64.10	6097	285	4.70
4/23/2018 15:00	64.90	6382	236	3.70
4/23/2018 16:00	66.00	5753	189	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/23/2018 17:00	66.90	4923	165	3.40
4/23/2018 18:00	67.30	3935	142	3.60
4/23/2018 19:00	66.60	3117	117	3.80
4/23/2018 20:00	66.00	2684	106	3.90
4/23/2018 21:00	66.60	2283	70	3.10
4/23/2018 22:00	67.00	1512	50	3.30
4/23/2018 23:00	67.20	994	33	3.30
4/24/2018 0:00	66.80	680	33	4.90
4/24/2018 1:00	66.10	419	26	6.20
4/24/2018 2:00	66.40	541	40	7.40
4/24/2018 3:00	66.60	777	54	6.90
4/24/2018 4:00	68.70	2236	82	3.70
4/24/2018 5:00	68.60	6145	200	3.30
4/24/2018 6:00	36.30	8432	366	4.30
4/24/2018 7:00	25.20	7690	453	5.90
4/24/2018 8:00	27.90	7721	374	4.80
4/24/2018 9:00	40.70	6550	401	6.10
4/24/2018 10:00	61.20	4948	349	7.10
4/24/2018 11:00	61.90	4658	273	5.90
4/24/2018 12:00	62.10	5096	302	5.90
4/24/2018 13:00	63.40	5620	300	5.30
4/24/2018 14:00	64.30	6004	270	4.50
4/24/2018 15:00	64.80	6320	228	3.60
4/24/2018 16:00	66.10	5593	169	3.00
4/24/2018 17:00	66.90	5317	171	3.20
4/24/2018 18:00	67.20	4028	148	3.70
4/24/2018 19:00	66.70	3288	120	3.60
4/24/2018 20:00	65.30	2895	114	3.90
4/24/2018 21:00	66.20	2380	82	3.40
4/24/2018 22:00	65.30	1634	76	4.70
4/24/2018 23:00	65.70	1105	36	3.30
4/25/2018 0:00	66.80	676	30	4.40
4/25/2018 1:00	65.70	464	36	7.80
4/25/2018 2:00	66.30	485	40	8.20
4/25/2018 3:00	67.90	787	41	5.20
4/25/2018 4:00	68.60	2246	87	3.90
4/25/2018 5:00	68.80	6289	188	3.00
4/25/2018 6:00	28.00	7658	309	4.00
4/25/2018 7:00	25.00	7818	497	6.40
4/25/2018 8:00	25.70	7546	293	3.90
4/25/2018 9:00	33.70	6414	295	4.60
4/25/2018 10:00	62.40	4970	309	6.20
4/25/2018 11:00	61.40	4855	320	6.60
4/25/2018 12:00	62.60	5203	314	6.00
4/25/2018 13:00	63.30	5858	319	5.40
4/25/2018 14:00	63.40	6213	300	4.80
4/25/2018 15:00	64.50	6248	241	3.90
4/25/2018 16:00	65.70	5568	177	3.20
4/25/2018 17:00	67.50	5113	140	2.70
4/25/2018 18:00	68.30	4012	121	3.00
4/25/2018 19:00	66.50	3153	119	3.80
4/25/2018 20:00	65.10	2994	109	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/25/2018 21:00	67.10	2553	98	3.80
4/25/2018 22:00	65.80	1584	58	3.70
4/25/2018 23:00	66.50	1094	42	3.80
4/26/2018 0:00	66.30	704	36	5.10
4/26/2018 1:00	65.20	471	36	7.60
4/26/2018 2:00	65.80	496	33	6.70
4/26/2018 3:00	66.40	803	51	6.40
4/26/2018 4:00	69.00	2252	91	4.00
4/26/2018 5:00	69.50	6258	192	3.10
4/26/2018 6:00	34.30	8157	340	4.20
4/26/2018 7:00	26.10	8026	575	7.20
4/26/2018 8:00	28.30	7690	455	5.90
4/26/2018 9:00	59.80	5913	350	5.90
4/26/2018 10:00	62.00	5021	341	6.80
4/26/2018 11:00	61.70	5300	347	6.50
4/26/2018 12:00	62.60	5440	309	5.70
4/26/2018 13:00	62.80	5678	296	5.20
4/26/2018 14:00	63.50	5849	260	4.40
4/26/2018 15:00	64.60	6255	219	3.50
4/26/2018 16:00	65.40	5950	183	3.10
4/26/2018 17:00	66.50	5188	161	3.10
4/26/2018 18:00	67.00	4159	136	3.30
4/26/2018 19:00	66.70	3260	100	3.10
4/26/2018 20:00	65.40	3059	116	3.80
4/26/2018 21:00	65.90	2538	106	4.20
4/26/2018 22:00	66.20	1776	74	4.20
4/26/2018 23:00	65.60	1215	55	4.50
4/27/2018 0:00	67.20	774	30	3.90
4/27/2018 1:00	66.40	559	32	5.70
4/27/2018 2:00	65.90	559	42	7.50
4/27/2018 3:00	65.90	810	63	7.80
4/27/2018 4:00	68.80	2181	97	4.40
4/27/2018 5:00	70.20	6097	190	3.10
4/27/2018 6:00	33.00	7824	318	4.10
4/27/2018 7:00	27.10	8032	483	6.00
4/27/2018 8:00	57.60	6560	295	4.50
4/27/2018 9:00	60.30	5927	362	6.10
4/27/2018 10:00	61.30	5181	329	6.40
4/27/2018 11:00	62.10	5585	291	5.20
4/27/2018 12:00	61.80	5828	317	5.40
4/27/2018 13:00	61.90	6239	332	5.30
4/27/2018 14:00	62.80	6372	250	3.90
4/27/2018 15:00	64.20	5921	227	3.80
4/27/2018 16:00	66.10	5241	176	3.40
4/27/2018 17:00	66.60	4631	152	3.30
4/27/2018 18:00	67.20	3936	149	3.80
4/27/2018 19:00	67.00	3475	96	2.80
4/27/2018 20:00	65.60	3076	107	3.50
4/27/2018 21:00	66.90	2828	99	3.50
4/27/2018 22:00	67.30	2320	73	3.10
4/27/2018 23:00	67.20	1771	45	2.50
4/28/2018 0:00	66.60	1072	45	4.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/28/2018 1:00	66.60	786	31	3.90
4/28/2018 2:00	66.20	670	39	5.80
4/28/2018 3:00	66.40	571	23	4.00
4/28/2018 4:00	66.90	1133	49	4.30
4/28/2018 5:00	66.00	1891	92	4.90
4/28/2018 6:00	65.90	3053	102	3.30
4/28/2018 7:00	65.00	3843	138	3.60
4/28/2018 8:00	65.70	4375	154	3.50
4/28/2018 9:00	65.30	4549	170	3.70
4/28/2018 10:00	65.70	4910	162	3.30
4/28/2018 11:00	64.50	4985	184	3.70
4/28/2018 12:00	64.70	5117	180	3.50
4/28/2018 13:00	65.60	4114	144	3.50
4/28/2018 14:00	63.00	5289	151	2.90
4/28/2018 15:00	66.40	4944	123	2.50
4/28/2018 16:00	66.80	4836	122	2.50
4/28/2018 17:00	67.40	4352	94	2.20
4/28/2018 18:00	67.50	3996	92	2.30
4/28/2018 19:00	67.10	3500	68	1.90
4/28/2018 20:00	66.20	3497	81	2.30
4/28/2018 21:00	67.40	3306	66	2.00
4/28/2018 22:00	67.00	2556	46	1.80
4/28/2018 23:00	67.30	1907	34	1.80
4/29/2018 0:00	67.00	1339	23	1.70
4/29/2018 1:00	66.80	992	17	1.70
4/29/2018 2:00	67.00	726	12	1.70
4/29/2018 3:00	66.80	552	13	2.40
4/29/2018 4:00	67.10	621	18	2.90
4/29/2018 5:00	67.20	1006	18	1.80
4/29/2018 6:00	67.90	1697	43	2.50
4/29/2018 7:00	67.80	2324	66	2.80
4/29/2018 8:00	67.60	2882	81	2.80
4/29/2018 9:00	66.30	3648	120	3.30
4/29/2018 10:00	66.10	3950	111	2.80
4/29/2018 11:00	65.80	4203	124	3.00
4/29/2018 12:00	65.90	4676	131	2.80
4/29/2018 13:00	65.80	4815	118	2.50
4/29/2018 14:00	66.30	4770	129	2.70
4/29/2018 15:00	66.60	4725	108	2.30
4/29/2018 16:00	66.80	5038	110	2.20
4/29/2018 17:00	66.20	4595	116	2.50
4/29/2018 18:00	66.40	3980	94	2.40
4/29/2018 19:00	66.50	3492	75	2.10
4/29/2018 20:00	65.50	2970	68	2.30
4/29/2018 21:00	67.80	2383	54	2.30
4/29/2018 22:00	66.90	1627	40	2.50
4/29/2018 23:00	66.80	1309	32	2.40
4/30/2018 0:00	67.30	932	28	3.00
4/30/2018 1:00	67.40	752	21	2.80
4/30/2018 2:00	66.80	656	33	5.00
4/30/2018 3:00	67.00	823	37	4.50
4/30/2018 4:00	67.30	2340	97	4.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/30/2018 5:00	69.00	6067	185	3.00
4/30/2018 6:00	32.30	7665	337	4.40
4/30/2018 7:00	26.50	7946	476	6.00
4/30/2018 8:00	21.00	6703	296	4.40
4/30/2018 9:00	34.10	5802	389	6.70
4/30/2018 10:00	62.80	4878	321	6.60
4/30/2018 11:00	62.20	4695	298	6.30
4/30/2018 12:00	62.40	4951	313	6.30
4/30/2018 13:00	63.20	5418	312	5.80
4/30/2018 14:00	63.90	5948	264	4.40
4/30/2018 15:00	64.90	6197	246	4.00
4/30/2018 16:00	66.20	5454	201	3.70
4/30/2018 17:00	67.50	5204	162	3.10
4/30/2018 18:00	66.90	3941	152	3.90
4/30/2018 19:00	66.20	3004	130	4.30
4/30/2018 20:00	64.40	2687	102	3.80
4/30/2018 21:00	63.40	2055	73	3.60
4/30/2018 22:00	65.00	1452	50	3.40
4/30/2018 23:00	65.80	1014	40	3.90
5/01/2018 0:00	66.70	623	24	3.90
5/01/2018 1:00	66.70	507	31	6.10
5/01/2018 2:00	66.60	489	40	8.20
5/01/2018 3:00	67.00	786	50	6.40
5/01/2018 4:00	68.70	2330	77	3.30
5/01/2018 5:00	69.50	6572	197	3.00
5/01/2018 6:00	29.90	8311	349	4.20
5/01/2018 7:00	24.60	7808	338	4.30
5/01/2018 8:00	29.10	7525	483	6.40
5/01/2018 9:00	61.60	5706	334	5.90
5/01/2018 10:00	61.40	4836	340	7.00
5/01/2018 11:00	61.00	4763	304	6.40
5/01/2018 12:00	61.40	5006	307	6.10
5/01/2018 13:00	63.00	5557	313	5.60
5/01/2018 14:00	63.60	5956	283	4.80
5/01/2018 15:00	64.80	6313	231	3.70
5/01/2018 16:00	65.90	5863	167	2.80
5/01/2018 17:00	67.90	5327	150	2.80
5/01/2018 18:00	67.60	3996	117	2.90
5/01/2018 19:00	67.00	2936	84	2.90
5/01/2018 20:00	66.00	2605	97	3.70
5/01/2018 21:00	67.40	2246	90	4.00
5/01/2018 22:00	66.00	1444	49	3.40
5/01/2018 23:00	65.00	985	37	3.80
5/02/2018 0:00	66.40	584	28	4.80
5/02/2018 1:00	66.10	421	29	6.90
5/02/2018 2:00	66.80	460	27	5.90
5/02/2018 3:00	66.40	778	48	6.20
5/02/2018 4:00	67.30	2227	87	3.90
5/02/2018 5:00	67.90	6227	199	3.20
5/02/2018 6:00	33.90	8135	398	4.90
5/02/2018 7:00	20.00	6824	470	6.90
5/02/2018 8:00	26.80	7571	383	5.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/02/2018 9:00	23.60	6297	300	4.80
5/02/2018 10:00	60.10	5028	293	5.80
5/02/2018 11:00	62.30	4758	299	6.30
5/02/2018 12:00	61.60	4947	311	6.30
5/02/2018 13:00	62.80	5511	280	5.10
5/02/2018 14:00	63.60	6079	274	4.50
5/02/2018 15:00	65.00	6058	226	3.70
5/02/2018 16:00	66.20	5726	166	2.90
5/02/2018 17:00	66.60	5359	158	2.90
5/02/2018 18:00	67.80	4000	141	3.50
5/02/2018 19:00	66.60	2920	109	3.70
5/02/2018 20:00	66.00	2835	104	3.70
5/02/2018 21:00	68.00	2254	71	3.10
5/02/2018 22:00	66.60	1505	50	3.30
5/02/2018 23:00	67.00	998	39	3.90
5/03/2018 0:00	66.70	704	29	4.10
5/03/2018 1:00	65.90	505	25	5.00
5/03/2018 2:00	66.70	496	26	5.20
5/03/2018 3:00	66.60	814	51	6.30
5/03/2018 4:00	68.30	2299	111	4.80
5/03/2018 5:00	69.50	6275	192	3.10
5/03/2018 6:00	35.10	8293	337	4.10
5/03/2018 7:00	27.40	7660	382	5.00
5/03/2018 8:00	25.70	7549	360	4.80
5/03/2018 9:00	44.70	6431	432	6.70
5/03/2018 10:00	62.00	5075	321	6.30
5/03/2018 11:00	61.80	5237	330	6.30
5/03/2018 12:00	62.50	5156	294	5.70
5/03/2018 13:00	62.60	5709	308	5.40
5/03/2018 14:00	63.40	6279	285	4.50
5/03/2018 15:00	64.30	6141	206	3.40
5/03/2018 16:00	65.30	5768	206	3.60
5/03/2018 17:00	66.60	5221	163	3.10
5/03/2018 18:00	67.30	4024	132	3.30
5/03/2018 19:00	67.30	3344	108	3.20
5/03/2018 20:00	64.90	3041	141	4.60
5/03/2018 21:00	66.60	2552	88	3.40
5/03/2018 22:00	65.90	1681	70	4.20
5/03/2018 23:00	66.70	1223	47	3.80
5/04/2018 0:00	66.10	766	43	5.60
5/04/2018 1:00	66.30	522	37	7.10
5/04/2018 2:00	66.70	506	35	6.90
5/04/2018 3:00	67.20	820	57	7.00
5/04/2018 4:00	69.10	2162	96	4.40
5/04/2018 5:00	69.90	5902	187	3.20
5/04/2018 6:00	41.20	8288	401	4.80
5/04/2018 7:00	25.40	7726	553	7.20
5/04/2018 8:00	37.50	7084	376	5.30
5/04/2018 9:00	62.10	6054	359	5.90
5/04/2018 10:00	61.90	5212	306	5.90
5/04/2018 11:00	62.00	5506	339	6.20
5/04/2018 12:00	62.10	5833	335	5.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/04/2018 13:00	61.60	6441	345	5.40
5/04/2018 14:00	63.00	6275	270	4.30
5/04/2018 15:00	63.50	5997	203	3.40
5/04/2018 16:00	65.10	5148	174	3.40
5/04/2018 17:00	66.50	4560	158	3.50
5/04/2018 18:00	67.60	3867	122	3.20
5/04/2018 19:00	66.80	3552	100	2.80
5/04/2018 20:00	65.90	3198	90	2.80
5/04/2018 21:00	66.90	2781	89	3.20
5/04/2018 22:00	66.90	2050	64	3.10
5/04/2018 23:00	67.90	1632	35	2.10
5/05/2018 0:00	67.20	1249	29	2.30
5/05/2018 1:00	66.20	949	38	4.00
5/05/2018 2:00	66.80	684	24	3.50
5/05/2018 3:00	66.70	573	22	3.80
5/05/2018 4:00	67.30	1090	51	4.70
5/05/2018 5:00	68.00	1764	68	3.90
5/05/2018 6:00	66.10	2901	106	3.70
5/05/2018 7:00	65.70	4087	142	3.50
5/05/2018 8:00	65.80	4457	153	3.40
5/05/2018 9:00	65.70	4653	157	3.40
5/05/2018 10:00	62.90	4657	161	3.50
5/05/2018 11:00	56.90	4972	189	3.80
5/05/2018 12:00	65.10	5089	152	3.00
5/05/2018 13:00	65.10	5242	168	3.20
5/05/2018 14:00	66.00	5474	159	2.90
5/05/2018 15:00	65.90	4942	138	2.80
5/05/2018 16:00	66.80	4706	98	2.10
5/05/2018 17:00	67.10	4336	110	2.50
5/05/2018 18:00	66.70	3894	89	2.30
5/05/2018 19:00	67.10	3646	85	2.30
5/05/2018 20:00	66.10	3317	71	2.10
5/05/2018 21:00	66.70	3047	76	2.50
5/05/2018 22:00	66.60	2426	48	2.00
5/05/2018 23:00	67.10	1732	28	1.60
5/06/2018 0:00	66.60	1224	23	1.90
5/06/2018 1:00	67.00	881	11	1.20
5/06/2018 2:00	66.90	758	16	2.10
5/06/2018 3:00	66.90	621	10	1.60
5/06/2018 4:00	66.90	648	20	3.10
5/06/2018 5:00	67.20	1088	30	2.80
5/06/2018 6:00	67.20	1829	54	3.00
5/06/2018 7:00	67.10	2606	61	2.30
5/06/2018 8:00	66.70	2974	78	2.60
5/06/2018 9:00	66.10	3637	114	3.10
5/06/2018 10:00	66.20	4184	119	2.80
5/06/2018 11:00	65.50	4547	145	3.20
5/06/2018 12:00	65.80	4839	144	3.00
5/06/2018 13:00	65.70	5257	155	2.90
5/06/2018 14:00	65.20	5280	150	2.80
5/06/2018 15:00	66.50	5119	114	2.20
5/06/2018 16:00	66.50	4633	109	2.40



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/06/2018 17:00	66.70	4356	113	2.60
5/06/2018 18:00	67.20	3967	94	2.40
5/06/2018 19:00	66.70	3566	77	2.20
5/06/2018 20:00	65.40	3081	68	2.20
5/06/2018 21:00	67.50	2571	53	2.10
5/06/2018 22:00	67.60	1805	41	2.30
5/06/2018 23:00	67.00	1339	36	2.70
5/07/2018 0:00	66.40	986	26	2.60
5/07/2018 1:00	67.20	753	17	2.30
5/07/2018 2:00	67.00	703	26	3.70
5/07/2018 3:00	66.30	1000	53	5.30
5/07/2018 4:00	67.70	2242	93	4.10
5/07/2018 5:00	69.00	6162	196	3.20
5/07/2018 6:00	34.70	8180	435	5.30
5/07/2018 7:00	27.30	7834	436	5.60
5/07/2018 8:00	26.60	7322	344	4.70
5/07/2018 9:00	60.20	5790	324	5.60
5/07/2018 10:00	62.10	4701	313	6.70
5/07/2018 11:00	62.00	4617	284	6.20
5/07/2018 12:00	62.30	4955	309	6.20
5/07/2018 13:00	62.30	5416	325	6.00
5/07/2018 14:00	64.10	5824	253	4.30
5/07/2018 15:00	64.70	6190	234	3.80
5/07/2018 16:00	65.40	5763	223	3.90
5/07/2018 17:00	66.90	5184	173	3.30
5/07/2018 18:00	67.40	3876	155	4.00
5/07/2018 19:00	66.80	3066	115	3.80
5/07/2018 20:00	66.20	2881	124	4.30
5/07/2018 21:00	66.60	2303	86	3.70
5/07/2018 22:00	67.00	1620	54	3.30
5/07/2018 23:00	66.40	1067	40	3.70
5/08/2018 0:00	66.80	694	35	5.00
5/08/2018 1:00	65.40	418	37	8.90
5/08/2018 2:00	66.60	521	36	6.90
5/08/2018 3:00	67.30	815	51	6.30
5/08/2018 4:00	67.50	2250	97	4.30
5/08/2018 5:00	69.30	6410	192	3.00
5/08/2018 6:00	30.80	8053	355	4.40
5/08/2018 7:00	25.60	7990	453	5.70
5/08/2018 8:00	24.90	7388	479	6.50
5/08/2018 9:00	58.00	5963	359	6.00
5/08/2018 10:00	61.10	4863	310	6.40
5/08/2018 11:00	53.60	4791	308	6.40
5/08/2018 12:00	54.40	5011	363	7.20
5/08/2018 13:00	61.70	5537	302	5.50
5/08/2018 14:00	62.50	6351	273	4.30
5/08/2018 15:00	63.20	6170	228	3.70
5/08/2018 16:00	65.00	5837	201	3.40
5/08/2018 17:00	65.60	5121	165	3.20
5/08/2018 18:00	65.40	3985	169	4.20
5/08/2018 19:00	66.10	3214	113	3.50
5/08/2018 20:00	64.80	2848	129	4.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/08/2018 21:00	65.80	2518	96	3.80
5/08/2018 22:00	67.00	1838	74	4.00
5/08/2018 23:00	65.90	1069	47	4.40
5/09/2018 0:00	66.80	685	25	3.60
5/09/2018 1:00	66.50	425	25	5.90
5/09/2018 2:00	65.40	453	45	9.90
5/09/2018 3:00	67.50	771	33	4.30
5/09/2018 4:00	67.60	2281	110	4.80
5/09/2018 5:00	70.10	6329	196	3.10
5/09/2018 6:00	33.00	8114	377	4.60
5/09/2018 7:00	25.50	7786	415	5.30
5/09/2018 8:00	26.00	7355	451	6.10
5/09/2018 9:00	59.70	5843	349	6.00
5/09/2018 10:00	62.10	4754	289	6.10
5/09/2018 11:00	61.50	4884	319	6.50
5/09/2018 12:00	61.60	5281	331	6.30
5/09/2018 13:00	62.40	5742	307	5.30
5/09/2018 14:00	63.50	6011	267	4.40
5/09/2018 15:00	64.10	6039	234	3.90
5/09/2018 16:00	65.30	5873	187	3.20
5/09/2018 17:00	66.10	5392	182	3.40
5/09/2018 18:00	66.90	4027	149	3.70
5/09/2018 19:00	66.70	3158	122	3.90
5/09/2018 20:00	65.40	3040	111	3.70
5/09/2018 21:00	66.50	2744	94	3.40
5/09/2018 22:00	67.00	1692	51	3.00
5/09/2018 23:00	67.30	1127	36	3.20
5/10/2018 0:00	66.90	810	30	3.70
5/10/2018 1:00	66.10	496	34	6.90
5/10/2018 2:00	66.20	479	32	6.70
5/10/2018 3:00	66.80	803	56	7.00
5/10/2018 4:00	67.60	2245	101	4.50
5/10/2018 5:00	70.50	6367	180	2.80
5/10/2018 6:00	32.20	8087	411	5.10
5/10/2018 7:00	25.90	7960	484	6.10
5/10/2018 8:00	25.00	7467	384	5.10
5/10/2018 9:00	55.50	5849	317	5.40
5/10/2018 10:00	63.10	5110	311	6.10
5/10/2018 11:00	62.00	5226	324	6.20
5/10/2018 12:00	62.70	5415	325	6.00
5/10/2018 13:00	62.90	5813	320	5.50
5/10/2018 14:00	64.00	6175	279	4.50
5/10/2018 15:00	64.00	6394	242	3.80
5/10/2018 16:00	66.10	5691	171	3.00
5/10/2018 17:00	67.30	5217	174	3.30
5/10/2018 18:00	67.50	4032	141	3.50
5/10/2018 19:00	66.60	3306	124	3.80
5/10/2018 20:00	66.50	2912	92	3.20
5/10/2018 21:00	67.00	2722	85	3.10
5/10/2018 22:00	68.10	2062	67	3.20
5/10/2018 23:00	67.80	1340	40	3.00
5/11/2018 0:00	67.10	870	30	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/11/2018 1:00	66.10	608	35	5.80
5/11/2018 2:00	66.00	620	48	7.70
5/11/2018 3:00	67.90	841	40	4.80
5/11/2018 4:00	67.60	2236	112	5.00
5/11/2018 5:00	70.30	6100	186	3.00
5/11/2018 6:00	35.10	8123	371	4.60
5/11/2018 7:00	25.40	7892	458	5.80
5/11/2018 8:00	47.90	6788	332	4.90
5/11/2018 9:00	62.50	5827	328	5.60
5/11/2018 10:00	62.40	5380	314	5.80
5/11/2018 11:00	62.00	5472	334	6.10
5/11/2018 12:00	62.00	5945	335	5.60
5/11/2018 13:00	62.90	6477	306	4.70
5/11/2018 14:00	62.90	6392	290	4.50
5/11/2018 15:00	64.30	6072	226	3.70
5/11/2018 16:00	65.20	5364	187	3.50
5/11/2018 17:00	67.50	4768	138	2.90
5/11/2018 18:00	67.00	4326	161	3.70
5/11/2018 19:00	66.20	3333	123	3.70
5/11/2018 20:00	67.20	2890	89	3.10
5/11/2018 21:00	66.80	2670	88	3.30
5/11/2018 22:00	67.90	2402	60	2.50
5/11/2018 23:00	66.50	1896	65	3.40
5/12/2018 0:00	67.80	1323	31	2.30
5/12/2018 1:00	67.00	770	23	3.00
5/12/2018 2:00	66.70	621	21	3.40
5/12/2018 3:00	66.70	570	27	4.70
5/12/2018 4:00	65.60	570	21	3.70
5/12/2018 5:00	66.70	1085	35	3.20
5/12/2018 6:00	65.90	2796	102	3.60
5/12/2018 7:00	65.60	3718	133	3.60
5/12/2018 8:00	65.80	4354	153	3.50
5/12/2018 9:00	64.90	4652	191	4.10
5/12/2018 10:00	64.70	4898	188	3.80
5/12/2018 11:00	64.50	5332	212	4.00
5/12/2018 12:00	65.10	5669	191	3.40
5/12/2018 13:00	66.30	5379	152	2.80
5/12/2018 14:00	66.10	5324	164	3.10
5/12/2018 15:00	66.70	5371	139	2.60
5/12/2018 16:00	67.00	5050	135	2.70
5/12/2018 17:00	67.80	4548	105	2.30
5/12/2018 18:00	68.20	4078	97	2.40
5/12/2018 19:00	67.50	3657	97	2.70
5/12/2018 20:00	65.30	3863	96	2.50
5/12/2018 21:00	67.40	3248	74	2.30
5/12/2018 22:00	67.50	2738	51	1.90
5/12/2018 23:00	67.20	2126	44	2.10
5/13/2018 0:00	66.80	1343	29	2.20
5/13/2018 1:00	66.80	915	15	1.60
5/13/2018 2:00	66.40	682	18	2.60
5/13/2018 3:00	66.90	562	10	1.80
5/13/2018 4:00	67.20	610	14	2.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/13/2018 5:00	67.40	977	25	2.60
5/13/2018 6:00	67.90	1532	42	2.70
5/13/2018 7:00	66.50	2106	67	3.20
5/13/2018 8:00	67.30	2877	79	2.70
5/13/2018 9:00	67.10	3616	92	2.50
5/13/2018 10:00	67.00	4173	112	2.70
5/13/2018 11:00	66.80	4725	108	2.30
5/13/2018 12:00	65.80	5303	133	2.50
5/13/2018 13:00	66.00	4938	115	2.30
5/13/2018 14:00	66.30	4884	105	2.10
5/13/2018 15:00	66.70	4854	101	2.10
5/13/2018 16:00	66.20	5363	121	2.30
5/13/2018 17:00	66.10	5186	121	2.30
5/13/2018 18:00	66.60	4171	105	2.50
5/13/2018 19:00	66.40	3896	88	2.30
5/13/2018 20:00	65.30	3498	79	2.30
5/13/2018 21:00	67.50	2664	56	2.10
5/13/2018 22:00	67.20	1907	41	2.10
5/13/2018 23:00	67.70	1583	45	2.80
5/14/2018 0:00	67.90	1386	43	3.10
5/14/2018 1:00	67.40	873	23	2.60
5/14/2018 2:00	67.10	673	24	3.60
5/14/2018 3:00	65.30	894	61	6.80
5/14/2018 4:00	68.50	2280	79	3.50
5/14/2018 5:00	70.20	6205	167	2.70
5/14/2018 6:00	35.70	8330	368	4.40
5/14/2018 7:00	23.60	7313	272	3.70
5/14/2018 8:00	25.70	7575	418	5.50
5/14/2018 9:00	61.20	5861	342	5.80
5/14/2018 10:00	62.00	4952	302	6.10
5/14/2018 11:00	62.30	4599	272	5.90
5/14/2018 12:00	62.00	4997	339	6.80
5/14/2018 13:00	57.60	5258	313	6.00
5/14/2018 14:00	59.20	5994	318	5.30
5/14/2018 15:00	64.90	5822	232	4.00
5/14/2018 16:00	65.40	5799	199	3.40
5/14/2018 17:00	67.20	5235	152	2.90
5/14/2018 18:00	66.70	3936	163	4.10
5/14/2018 19:00	67.70	3036	114	3.80
5/14/2018 20:00	66.70	2616	79	3.00
5/14/2018 21:00	66.60	2135	87	4.10
5/14/2018 22:00	67.00	1514	54	3.60
5/14/2018 23:00	67.00	1026	34	3.30
5/15/2018 0:00	66.20	687	38	5.50
5/15/2018 1:00	65.60	497	37	7.40
5/15/2018 2:00	66.60	467	32	6.90
5/15/2018 3:00	66.80	829	55	6.60
5/15/2018 4:00	68.00	2226	89	4.00
5/15/2018 5:00	69.30	6425	195	3.00
5/15/2018 6:00	33.00	8434	322	3.80
5/15/2018 7:00	25.40	7897	436	5.50
5/15/2018 8:00	25.00	7680	434	5.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/15/2018 9:00	54.40	6017	328	5.50
5/15/2018 10:00	61.20	4881	328	6.70
5/15/2018 11:00	61.40	4739	304	6.40
5/15/2018 12:00	61.40	5023	308	6.10
5/15/2018 13:00	62.70	5579	313	5.60
5/15/2018 14:00	63.20	6150	280	4.60
5/15/2018 15:00	64.30	6248	228	3.60
5/15/2018 16:00	65.70	5737	183	3.20
5/15/2018 17:00	67.10	5221	158	3.00
5/15/2018 18:00	66.70	3979	135	3.40
5/15/2018 19:00	66.60	3228	110	3.40
5/15/2018 20:00	65.50	2841	114	4.00
5/15/2018 21:00	66.30	2400	90	3.80
5/15/2018 22:00	66.20	1640	63	3.80
5/15/2018 23:00	65.90	1078	42	3.90
5/16/2018 0:00	66.90	667	24	3.60
5/16/2018 1:00	66.40	461	30	6.50
5/16/2018 2:00	66.30	465	38	8.20
5/16/2018 3:00	67.10	781	41	5.20
5/16/2018 4:00	68.30	2231	95	4.30
5/16/2018 5:00	68.80	6277	182	2.90
5/16/2018 6:00	33.10	8095	362	4.50
5/16/2018 7:00	25.10	7681	448	5.80
5/16/2018 8:00	26.00	7548	385	5.10
5/16/2018 9:00	35.50	6213	312	5.00
5/16/2018 10:00	62.10	4956	304	6.10
5/16/2018 11:00	62.00	4862	309	6.40
5/16/2018 12:00	62.00	5156	315	6.10
5/16/2018 13:00	62.80	5713	304	5.30
5/16/2018 14:00	63.60	6093	284	4.70
5/16/2018 15:00	64.40	6322	224	3.50
5/16/2018 16:00	65.00	5730	200	3.50
5/16/2018 17:00	66.50	5230	156	3.00
5/16/2018 18:00	66.30	3903	155	4.00
5/16/2018 19:00	65.10	3223	147	4.60
5/16/2018 20:00	65.30	3020	117	3.90
5/16/2018 21:00	67.40	2424	83	3.40
5/16/2018 22:00	67.00	1644	60	3.60
5/16/2018 23:00	66.80	1284	55	4.30
5/17/2018 0:00	66.50	740	35	4.70
5/17/2018 1:00	65.80	488	29	5.90
5/17/2018 2:00	66.50	505	32	6.30
5/17/2018 3:00	66.70	807	52	6.40
5/17/2018 4:00	68.20	2253	100	4.40
5/17/2018 5:00	70.00	6284	182	2.90
5/17/2018 6:00	34.00	8212	364	4.40
5/17/2018 7:00	26.10	7852	519	6.60
5/17/2018 8:00	25.60	7558	412	5.50
5/17/2018 9:00	52.10	6033	331	5.50
5/17/2018 10:00	61.90	5105	340	6.70
5/17/2018 11:00	61.80	5212	330	6.30
5/17/2018 12:00	62.60	5301	319	6.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/17/2018 13:00	62.90	5713	304	5.30
5/17/2018 14:00	63.50	6192	273	4.40
5/17/2018 15:00	64.50	6244	224	3.60
5/17/2018 16:00	65.60	5815	194	3.30
5/17/2018 17:00	67.00	5203	166	3.20
5/17/2018 18:00	67.30	4099	143	3.50
5/17/2018 19:00	67.00	3354	122	3.60
5/17/2018 20:00	65.70	3002	112	3.70
5/17/2018 21:00	66.50	2622	93	3.50
5/17/2018 22:00	67.00	1860	76	4.10
5/17/2018 23:00	66.80	1255	46	3.70
5/18/2018 0:00	66.40	797	29	3.60
5/18/2018 1:00	66.60	537	34	6.30
5/18/2018 2:00	66.40	557	36	6.50
5/18/2018 3:00	66.60	865	53	6.10
5/18/2018 4:00	67.20	2169	114	5.30
5/18/2018 5:00	69.10	6069	194	3.20
5/18/2018 6:00	45.40	8383	317	3.80
5/18/2018 7:00	24.10	7586	389	5.10
5/18/2018 8:00	25.20	6922	270	3.90
5/18/2018 9:00	57.70	5946	371	6.20
5/18/2018 10:00	61.30	5280	333	6.30
5/18/2018 11:00	61.50	5575	352	6.30
5/18/2018 12:00	62.30	5908	332	5.60
5/18/2018 13:00	62.50	6279	318	5.10
5/18/2018 14:00	63.20	6262	269	4.30
5/18/2018 15:00	64.10	5882	220	3.70
5/18/2018 16:00	65.80	4839	162	3.30
5/18/2018 17:00	67.20	4389	131	3.00
5/18/2018 18:00	67.00	4062	127	3.10
5/18/2018 19:00	67.70	3441	117	3.40
5/18/2018 20:00	66.30	3030	101	3.30
5/18/2018 21:00	66.60	2605	88	3.40
5/18/2018 22:00	67.20	2108	60	2.80
5/18/2018 23:00	67.70	1846	43	2.30
5/19/2018 0:00	66.60	1092	30	2.70
5/19/2018 1:00	66.60	779	28	3.60
5/19/2018 2:00	66.50	623	30	4.80
5/19/2018 3:00	66.40	594	30	5.10
5/19/2018 4:00	66.70	1107	65	5.90
5/19/2018 5:00	66.90	1956	86	4.40
5/19/2018 6:00	64.80	3026	118	3.90
5/19/2018 7:00	65.00	4239	155	3.70
5/19/2018 8:00	65.60	4629	145	3.10
5/19/2018 9:00	64.50	4633	172	3.70
5/19/2018 10:00	63.80	4687	208	4.40
5/19/2018 11:00	64.90	4991	164	3.30
5/19/2018 12:00	64.50	5137	183	3.60
5/19/2018 13:00	65.00	5252	162	3.10
5/19/2018 14:00	65.40	5186	159	3.10
5/19/2018 15:00	66.30	5012	130	2.60
5/19/2018 16:00	66.70	4953	109	2.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/19/2018 17:00	66.90	4728	106	2.20
5/19/2018 18:00	66.90	4079	89	2.20
5/19/2018 19:00	67.20	3781	83	2.20
5/19/2018 20:00	66.00	3325	82	2.50
5/19/2018 21:00	67.50	2810	61	2.20
5/19/2018 22:00	67.20	2423	51	2.10
5/19/2018 23:00	67.00	2233	33	1.50
5/20/2018 0:00	66.30	1352	27	2.00
5/20/2018 1:00	66.60	899	20	2.20
5/20/2018 2:00	66.40	637	17	2.70
5/20/2018 3:00	66.70	471	9	1.90
5/20/2018 4:00	66.60	570	18	3.20
5/20/2018 5:00	67.20	1139	36	3.20
5/20/2018 6:00	68.20	1658	36	2.20
5/20/2018 7:00	67.40	2282	51	2.20
5/20/2018 8:00	66.80	2844	73	2.60
5/20/2018 9:00	65.90	3484	88	2.50
5/20/2018 10:00	65.70	4059	112	2.80
5/20/2018 11:00	65.30	4261	124	2.90
5/20/2018 12:00	65.00	4779	130	2.70
5/20/2018 13:00	65.60	4915	115	2.30
5/20/2018 14:00	62.20	4823	111	2.30
5/20/2018 15:00	64.60	4560	111	2.40
5/20/2018 16:00	66.10	4543	103	2.30
5/20/2018 17:00	66.80	4156	95	2.30
5/20/2018 18:00	66.20	3706	88	2.40
5/20/2018 19:00	66.20	3253	65	2.00
5/20/2018 20:00	64.10	2805	77	2.70
5/20/2018 21:00	66.00	2304	81	3.50
5/20/2018 22:00	66.50	1736	55	3.20
5/20/2018 23:00	67.20	1286	39	3.00
5/21/2018 0:00	66.20	853	35	4.10
5/21/2018 1:00	65.80	575	28	4.90
5/21/2018 2:00	66.80	585	16	2.70
5/21/2018 3:00	66.20	937	44	4.70
5/21/2018 4:00	67.10	2263	102	4.50
5/21/2018 5:00	69.20	6291	166	2.60
5/21/2018 6:00	32.90	8111	357	4.40
5/21/2018 7:00	26.80	7836	490	6.30
5/21/2018 8:00	26.40	6896	451	6.50
5/21/2018 9:00	62.80	5717	349	6.10
5/21/2018 10:00	62.50	4779	328	6.90
5/21/2018 11:00	62.60	4628	318	6.90
5/21/2018 12:00	62.90	4894	328	6.70
5/21/2018 13:00	63.90	5400	329	6.10
5/21/2018 14:00	64.40	5830	291	5.00
5/21/2018 15:00	64.60	5986	257	4.30
5/21/2018 16:00	66.80	5181	173	3.30
5/21/2018 17:00	66.30	5405	172	3.20
5/21/2018 18:00	66.90	3848	146	3.80
5/21/2018 19:00	67.60	3088	93	3.00
5/21/2018 20:00	66.10	2683	107	4.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/21/2018 21:00	67.20	2146	85	4.00
5/21/2018 22:00	67.00	1509	59	3.90
5/21/2018 23:00	67.00	1160	43	3.70
5/22/2018 0:00	66.70	825	37	4.50
5/22/2018 1:00	65.60	520	33	6.30
5/22/2018 2:00	67.00	507	29	5.70
5/22/2018 3:00	66.60	823	56	6.80
5/22/2018 4:00	67.60	2281	101	4.40
5/22/2018 5:00	70.00	6567	194	3.00
5/22/2018 6:00	35.50	8441	397	4.70
5/22/2018 7:00	25.40	7944	511	6.40
5/22/2018 8:00	27.80	7837	372	4.70
5/22/2018 9:00	52.20	6252	365	5.80
5/22/2018 10:00	61.80	4637	296	6.40
5/22/2018 11:00	61.90	4879	307	6.30
5/22/2018 12:00	61.20	5062	317	6.30
5/22/2018 13:00	61.60	5521	295	5.30
5/22/2018 14:00	63.50	5998	262	4.40
5/22/2018 15:00	63.80	6089	215	3.50
5/22/2018 16:00	64.80	5747	185	3.20
5/22/2018 17:00	66.80	5068	143	2.80
5/22/2018 18:00	66.00	3820	154	4.00
5/22/2018 19:00	65.90	3210	118	3.70
5/22/2018 20:00	64.70	3050	131	4.30
5/22/2018 21:00	66.20	2578	121	4.70
5/22/2018 22:00	67.60	1713	68	4.00
5/22/2018 23:00	68.50	1314	61	4.60
5/23/2018 0:00	67.70	852	32	3.80
5/23/2018 1:00	66.60	528	32	6.10
5/23/2018 2:00	66.40	539	32	5.90
5/23/2018 3:00	67.20	804	43	5.30
5/23/2018 4:00	67.40	2315	102	4.40
5/23/2018 5:00	69.10	6439	181	2.80
5/23/2018 6:00	35.70	8314	401	4.80
5/23/2018 7:00	27.70	8164	562	6.90
5/23/2018 8:00	29.60	7649	433	5.70
5/23/2018 9:00	61.40	5856	334	5.70
5/23/2018 10:00	61.70	4798	310	6.50
5/23/2018 11:00	61.90	4751	305	6.40
5/23/2018 12:00	61.20	5193	346	6.70
5/23/2018 13:00	61.90	5561	331	6.00
5/23/2018 14:00	63.80	6062	263	4.30
5/23/2018 15:00	64.90	6210	219	3.50
5/23/2018 16:00	66.00	5671	174	3.10
5/23/2018 17:00	66.40	5223	168	3.20
5/23/2018 18:00	67.30	4002	146	3.60
5/23/2018 19:00	68.00	3402	127	3.70
5/23/2018 20:00	65.60	3043	124	4.10
5/23/2018 21:00	66.20	2640	116	4.40
5/23/2018 22:00	66.10	1676	68	4.10
5/23/2018 23:00	66.70	1235	49	4.00
5/24/2018 0:00	65.10	890	51	5.70



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/24/2018 1:00	65.80	594	36	6.10
5/24/2018 2:00	66.40	544	34	6.30
5/24/2018 3:00	67.00	899	48	5.30
5/24/2018 4:00	67.20	2288	123	5.40
5/24/2018 5:00	68.90	6151	189	3.10
5/24/2018 6:00	29.70	7601	274	3.60
5/24/2018 7:00	24.20	7749	326	4.20
5/24/2018 8:00	28.50	7956	424	5.30
5/24/2018 9:00	42.60	6196	349	5.60
5/24/2018 10:00	61.80	5005	335	6.70
5/24/2018 11:00	62.40	4808	285	5.90
5/24/2018 12:00	63.10	5187	319	6.10
5/24/2018 13:00	62.90	5650	320	5.70
5/24/2018 14:00	63.50	6220	301	4.80
5/24/2018 15:00	64.60	6150	228	3.70
5/24/2018 16:00	65.80	5985	193	3.20
5/24/2018 17:00	67.60	5415	159	2.90
5/24/2018 18:00	67.80	4097	135	3.30
5/24/2018 19:00	67.10	3141	117	3.70
5/24/2018 20:00	65.00	2823	120	4.30
5/24/2018 21:00	66.00	2595	109	4.20
5/24/2018 22:00	65.90	1749	64	3.70
5/24/2018 23:00	67.30	1346	38	2.80
5/25/2018 0:00	66.80	767	34	4.40
5/25/2018 1:00	66.10	618	38	6.10
5/25/2018 2:00	66.40	607	41	6.80
5/25/2018 3:00	66.60	875	53	6.10
5/25/2018 4:00	67.10	2225	106	4.80
5/25/2018 5:00	69.10	6012	193	3.20
5/25/2018 6:00	39.20	8303	438	5.30
5/25/2018 7:00	28.30	7683	497	6.50
5/25/2018 8:00	61.30	6652	332	5.00
5/25/2018 9:00	60.90	5906	374	6.30
5/25/2018 10:00	61.20	5368	341	6.40
5/25/2018 11:00	62.00	5240	308	5.90
5/25/2018 12:00	60.90	5967	332	5.60
5/25/2018 13:00	61.70	6232	317	5.10
5/25/2018 14:00	62.20	6171	266	4.30
5/25/2018 15:00	63.20	5706	228	4.00
5/25/2018 16:00	65.30	4966	163	3.30
5/25/2018 17:00	66.30	4477	132	2.90
5/25/2018 18:00	66.20	4007	146	3.60
5/25/2018 19:00	66.20	3459	121	3.50
5/25/2018 20:00	65.90	2765	79	2.90
5/25/2018 21:00	65.30	2797	86	3.10
5/25/2018 22:00	65.90	2182	55	2.50
5/25/2018 23:00	65.90	1639	39	2.40
5/26/2018 0:00	66.40	1047	28	2.70
5/26/2018 1:00	65.70	732	33	4.50
5/26/2018 2:00	66.20	680	29	4.30
5/26/2018 3:00	66.00	594	34	5.70
5/26/2018 4:00	67.10	955	49	5.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/26/2018 5:00	67.00	1866	85	4.60
5/26/2018 6:00	65.80	2874	109	3.80
5/26/2018 7:00	65.40	3628	142	3.90
5/26/2018 8:00	65.80	4183	126	3.00
5/26/2018 9:00	65.30	4463	152	3.40
5/26/2018 10:00	64.70	4550	170	3.70
5/26/2018 11:00	64.60	4830	178	3.70
5/26/2018 12:00	64.80	4867	139	2.90
5/26/2018 13:00	65.20	4911	152	3.10
5/26/2018 14:00	66.10	5054	128	2.50
5/26/2018 15:00	66.40	4990	131	2.60
5/26/2018 16:00	67.10	4625	110	2.40
5/26/2018 17:00	66.60	4245	124	2.90
5/26/2018 18:00	67.00	3686	89	2.40
5/26/2018 19:00	66.50	3275	69	2.10
5/26/2018 20:00	65.70	3102	67	2.20
5/26/2018 21:00	67.50	2949	71	2.40
5/26/2018 22:00	67.00	2286	47	2.10
5/26/2018 23:00	67.50	1862	36	1.90
5/27/2018 0:00	67.00	1252	16	1.30
5/27/2018 1:00	66.60	929	16	1.70
5/27/2018 2:00	66.90	667	9	1.30
5/27/2018 3:00	66.10	456	16	3.50
5/27/2018 4:00	66.30	664	22	3.30
5/27/2018 5:00	66.50	1052	41	3.90
5/27/2018 6:00	67.20	1621	39	2.40
5/27/2018 7:00	67.80	2295	55	2.40
5/27/2018 8:00	66.90	2987	72	2.40
5/27/2018 9:00	66.40	3512	88	2.50
5/27/2018 10:00	65.90	3893	92	2.40
5/27/2018 11:00	65.30	4085	130	3.20
5/27/2018 12:00	65.10	4577	118	2.60
5/27/2018 13:00	65.60	4556	114	2.50
5/27/2018 14:00	65.40	4509	106	2.40
5/27/2018 15:00	65.40	4364	97	2.20
5/27/2018 16:00	65.20	4253	114	2.70
5/27/2018 17:00	65.40	3846	99	2.60
5/27/2018 18:00	67.00	3489	76	2.20
5/27/2018 19:00	66.10	3239	63	1.90
5/27/2018 20:00	64.60	3127	70	2.20
5/27/2018 21:00	67.20	2678	62	2.30
5/27/2018 22:00	67.50	2121	35	1.70
5/27/2018 23:00	67.80	1624	35	2.20
5/28/2018 0:00	66.70	1152	35	3.00
5/28/2018 1:00	67.10	767	9	1.20
5/28/2018 2:00	67.70	694	13	1.90
5/28/2018 3:00	66.60	514	24	4.70
5/28/2018 4:00	67.10	695	25	3.60
5/28/2018 5:00	69.70	1215	38	3.10
5/28/2018 6:00	67.30	2066	67	3.20
5/28/2018 7:00	66.40	2293	80	3.50
5/28/2018 8:00	66.50	2776	102	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/28/2018 9:00	65.20	3113	141	4.50
5/28/2018 10:00	64.50	3519	177	5.00
5/28/2018 11:00	65.30	4213	171	4.10
5/28/2018 12:00	65.80	4448	165	3.70
5/28/2018 13:00	66.70	4742	153	3.20
5/28/2018 14:00	66.40	4523	139	3.10
5/28/2018 15:00	66.80	4375	118	2.70
5/28/2018 16:00	67.80	4271	105	2.50
5/28/2018 17:00	68.10	3776	90	2.40
5/28/2018 18:00	67.60	3488	98	2.80
5/28/2018 19:00	67.20	3128	89	2.80
5/28/2018 20:00	66.50	2845	75	2.60
5/28/2018 21:00	68.30	2502	66	2.60
5/28/2018 22:00	68.00	1780	46	2.60
5/28/2018 23:00	67.80	1416	30	2.10
5/29/2018 0:00	67.50	999	33	3.30
5/29/2018 1:00	68.00	747	30	4.00
5/29/2018 2:00	67.20	700	35	5.00
5/29/2018 3:00	66.80	1026	62	6.00
5/29/2018 4:00	67.40	2326	103	4.40
5/29/2018 5:00	66.20	6228	200	3.20
5/29/2018 6:00	21.30	6821	297	4.40
5/29/2018 7:00	25.90	7924	551	7.00
5/29/2018 8:00	26.00	7666	425	5.50
5/29/2018 9:00	48.70	6623	388	5.90
5/29/2018 10:00	60.90	5104	374	7.30
5/29/2018 11:00	60.90	4874	346	7.10
5/29/2018 12:00	61.70	5051	339	6.70
5/29/2018 13:00	61.30	5729	394	6.90
5/29/2018 14:00	63.30	6150	306	5.00
5/29/2018 15:00	64.00	6270	256	4.10
5/29/2018 16:00	65.80	5617	203	3.60
5/29/2018 17:00	67.10	4899	145	3.00
5/29/2018 18:00	66.80	3860	152	3.90
5/29/2018 19:00	66.70	2990	119	4.00
5/29/2018 20:00	65.80	2737	124	4.50
5/29/2018 21:00	67.00	2224	104	4.70
5/29/2018 22:00	67.40	1745	71	4.10
5/29/2018 23:00	67.60	1128	44	3.90
5/30/2018 0:00	66.50	756	40	5.30
5/30/2018 1:00	65.80	511	32	6.30
5/30/2018 2:00	66.00	465	31	6.70
5/30/2018 3:00	66.60	811	50	6.20
5/30/2018 4:00	67.80	2239	104	4.60
5/30/2018 5:00	70.00	6164	187	3.00
5/30/2018 6:00	36.10	8329	361	4.30
5/30/2018 7:00	27.90	8171	467	5.70
5/30/2018 8:00	26.40	7701	365	4.70
5/30/2018 9:00	33.90	6433	320	5.00
5/30/2018 10:00	62.10	4956	320	6.50
5/30/2018 11:00	62.10	4864	341	7.00
5/30/2018 12:00	62.30	5177	336	6.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/30/2018 13:00	62.60	5662	321	5.70
5/30/2018 14:00	64.30	6088	266	4.40
5/30/2018 15:00	63.40	6093	230	3.80
5/30/2018 16:00	65.20	5577	200	3.60
5/30/2018 17:00	67.10	4842	154	3.20
5/30/2018 18:00	67.00	3934	146	3.70
5/30/2018 19:00	68.80	3248	110	3.40
5/30/2018 20:00	65.70	2873	109	3.80
5/30/2018 21:00	66.30	2493	100	4.00
5/30/2018 22:00	67.50	1637	55	3.40
5/30/2018 23:00	66.40	1105	45	4.10
5/31/2018 0:00	66.30	791	42	5.30
5/31/2018 1:00	66.60	464	30	6.50
5/31/2018 2:00	66.50	550	42	7.60
5/31/2018 3:00	67.00	860	52	6.00
5/31/2018 4:00	69.20	2314	89	3.80
5/31/2018 5:00	69.60	6410	194	3.00
5/31/2018 6:00	36.30	8069	322	4.00
5/31/2018 7:00	24.00	7649	569	7.40
5/31/2018 8:00	26.30	7716	494	6.40
5/31/2018 9:00	38.80	6694	376	5.60
5/31/2018 10:00	62.20	5005	342	6.80
5/31/2018 11:00	61.50	5002	346	6.90
5/31/2018 12:00	62.00	5333	345	6.50
5/31/2018 13:00	62.00	5604	318	5.70
5/31/2018 14:00	63.10	6238	330	5.30
5/31/2018 15:00	60.30	6251	240	3.80
5/31/2018 16:00	64.10	5556	201	3.60
5/31/2018 17:00	67.00	5372	174	3.20
5/31/2018 18:00	67.80	4092	129	3.20
5/31/2018 19:00	66.30	3169	150	4.70
5/31/2018 20:00	65.40	2867	126	4.40
5/31/2018 21:00	66.30	2633	113	4.30
5/31/2018 22:00	66.60	1744	62	3.60
5/31/2018 23:00	66.10	1215	43	3.50
6/01/2018 0:00	65.40	802	47	5.90
6/01/2018 1:00	66.10	555	32	5.80
6/01/2018 2:00	65.70	544	45	8.30
6/01/2018 3:00	66.30	887	67	7.60
6/01/2018 4:00	68.10	2166	104	4.80
6/01/2018 5:00	69.50	5999	177	3.00
6/01/2018 6:00	39.20	8301	347	4.20
6/01/2018 7:00	24.30	7333	431	5.90
6/01/2018 8:00	30.90	7391	341	4.60
6/01/2018 9:00	61.50	5846	336	5.70
6/01/2018 10:00	62.10	5102	318	6.20
6/01/2018 11:00	61.00	5371	351	6.50
6/01/2018 12:00	61.80	6034	344	5.70
6/01/2018 13:00	62.20	6281	323	5.10
6/01/2018 14:00	62.70	6481	307	4.70
6/01/2018 15:00	63.90	5839	233	4.00
6/01/2018 16:00	65.50	5294	179	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/01/2018 17:00	67.00	4471	149	3.30
6/01/2018 18:00	67.50	4059	130	3.20
6/01/2018 19:00	66.70	3480	139	4.00
6/01/2018 20:00	65.90	3157	121	3.80
6/01/2018 21:00	66.80	2780	79	2.80
6/01/2018 22:00	67.00	2317	58	2.50
6/01/2018 23:00	67.00	1645	39	2.40
6/02/2018 0:00	66.70	1065	29	2.70
6/02/2018 1:00	64.30	727	49	6.70
6/02/2018 2:00	65.90	624	37	5.90
6/02/2018 3:00	66.00	612	39	6.40
6/02/2018 4:00	67.70	1070	53	5.00
6/02/2018 5:00	66.70	1894	85	4.50
6/02/2018 6:00	66.10	3029	108	3.60
6/02/2018 7:00	65.10	3882	143	3.70
6/02/2018 8:00	64.70	4514	177	3.90
6/02/2018 9:00	62.90	4591	215	4.70
6/02/2018 10:00	63.90	4356	187	4.30
6/02/2018 11:00	63.70	5129	215	4.20
6/02/2018 12:00	64.30	5227	174	3.30
6/02/2018 13:00	65.20	5477	174	3.20
6/02/2018 14:00	65.90	5143	141	2.70
6/02/2018 15:00	65.40	5113	148	2.90
6/02/2018 16:00	66.70	4905	129	2.60
6/02/2018 17:00	66.30	4364	138	3.20
6/02/2018 18:00	67.10	3843	97	2.50
6/02/2018 19:00	66.40	3438	70	2.00
6/02/2018 20:00	65.10	3504	64	1.80
6/02/2018 21:00	66.30	3368	77	2.30
6/02/2018 22:00	66.70	2397	53	2.20
6/02/2018 23:00	66.60	2077	45	2.20
6/03/2018 0:00	66.20	1335	32	2.40
6/03/2018 1:00	66.80	945	23	2.40
6/03/2018 2:00	66.70	801	21	2.60
6/03/2018 3:00	66.40	637	17	2.70
6/03/2018 4:00	66.70	694	17	2.40
6/03/2018 5:00	67.60	1298	29	2.20
6/03/2018 6:00	67.10	2313	61	2.60
6/03/2018 7:00	67.00	2965	82	2.80
6/03/2018 8:00	66.60	3680	102	2.80
6/03/2018 9:00	65.20	4467	133	3.00
6/03/2018 10:00	65.00	4908	131	2.70
6/03/2018 11:00	64.30	5540	149	2.70
6/03/2018 12:00	64.60	6060	151	2.50
6/03/2018 13:00	64.90	6056	137	2.30
6/03/2018 14:00	65.40	5532	129	2.30
6/03/2018 15:00	65.20	4891	137	2.80
6/03/2018 16:00	65.70	4322	110	2.50
6/03/2018 17:00	66.60	3775	84	2.20
6/03/2018 18:00	66.40	3351	76	2.30
6/03/2018 19:00	65.90	3121	73	2.30
6/03/2018 20:00	64.40	2804	70	2.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/03/2018 21:00	67.00	2324	40	1.70
6/03/2018 22:00	66.00	1761	49	2.80
6/03/2018 23:00	66.90	1281	29	2.30
6/04/2018 0:00	65.50	897	39	4.30
6/04/2018 1:00	66.40	653	21	3.20
6/04/2018 2:00	65.80	563	29	5.20
6/04/2018 3:00	66.30	962	45	4.70
6/04/2018 4:00	67.60	2281	85	3.70
6/04/2018 5:00	65.80	6408	190	3.00
6/04/2018 6:00	34.70	8058	383	4.80
6/04/2018 7:00	24.70	7732	522	6.80
6/04/2018 8:00	26.00	7229	411	5.70
6/04/2018 9:00	60.60	5620	317	5.60
6/04/2018 10:00	59.20	4758	351	7.40
6/04/2018 11:00	59.70	4675	325	7.00
6/04/2018 12:00	60.60	4979	317	6.40
6/04/2018 13:00	60.70	5573	308	5.50
6/04/2018 14:00	62.10	6146	311	5.10
6/04/2018 15:00	63.30	6126	245	4.00
6/04/2018 16:00	63.90	5612	202	3.60
6/04/2018 17:00	64.70	4966	159	3.20
6/04/2018 18:00	65.20	3778	141	3.70
6/04/2018 19:00	65.10	3051	125	4.10
6/04/2018 20:00	64.10	2761	109	3.90
6/04/2018 21:00	66.30	2345	87	3.70
6/04/2018 22:00	67.00	1770	59	3.30
6/04/2018 23:00	65.90	1058	47	4.40
6/05/2018 0:00	65.90	746	36	4.80
6/05/2018 1:00	65.40	526	41	7.80
6/05/2018 2:00	66.10	511	40	7.80
6/05/2018 3:00	66.30	863	54	6.30
6/05/2018 4:00	67.50	2253	101	4.50
6/05/2018 5:00	69.40	6458	217	3.40
6/05/2018 6:00	33.10	8138	352	4.30
6/05/2018 7:00	25.50	7709	600	7.80
6/05/2018 8:00	25.30	7579	429	5.70
6/05/2018 9:00	57.80	6028	338	5.60
6/05/2018 10:00	61.40	4875	321	6.60
6/05/2018 11:00	62.50	4930	288	5.80
6/05/2018 12:00	63.20	5204	282	5.40
6/05/2018 13:00	63.50	5657	276	4.90
6/05/2018 14:00	63.40	6144	282	4.60
6/05/2018 15:00	64.40	6255	227	3.60
6/05/2018 16:00	66.50	5510	180	3.30
6/05/2018 17:00	66.40	5195	180	3.50
6/05/2018 18:00	67.30	4003	145	3.60
6/05/2018 19:00	67.00	3295	127	3.90
6/05/2018 20:00	66.20	2822	120	4.30
6/05/2018 21:00	66.70	2657	105	4.00
6/05/2018 22:00	68.10	1989	65	3.30
6/05/2018 23:00	65.70	1257	60	4.80
6/06/2018 0:00	66.70	789	36	4.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/06/2018 1:00	65.80	495	50	10.10
6/06/2018 2:00	66.00	494	40	8.10
6/06/2018 3:00	66.50	810	53	6.50
6/06/2018 4:00	69.80	2306	87	3.80
6/06/2018 5:00	70.10	6427	187	2.90
6/06/2018 6:00	30.00	7899	359	4.50
6/06/2018 7:00	25.80	8075	487	6.00
6/06/2018 8:00	25.70	7628	470	6.20
6/06/2018 9:00	43.70	6428	375	5.80
6/06/2018 10:00	61.70	5027	301	6.00
6/06/2018 11:00	61.40	5007	344	6.90
6/06/2018 12:00	61.90	5136	308	6.00
6/06/2018 13:00	62.10	5680	300	5.30
6/06/2018 14:00	62.90	6073	265	4.40
6/06/2018 15:00	63.50	6292	237	3.80
6/06/2018 16:00	65.20	5555	175	3.20
6/06/2018 17:00	66.10	5185	157	3.00
6/06/2018 18:00	66.60	4040	133	3.30
6/06/2018 19:00	66.60	3177	107	3.40
6/06/2018 20:00	65.30	2897	109	3.80
6/06/2018 21:00	66.20	2785	110	3.90
6/06/2018 22:00	66.00	1760	74	4.20
6/06/2018 23:00	66.90	1234	45	3.60
6/07/2018 0:00	66.60	795	35	4.40
6/07/2018 1:00	65.80	538	41	7.60
6/07/2018 2:00	66.30	503	32	6.40
6/07/2018 3:00	66.70	844	56	6.60
6/07/2018 4:00	69.00	2270	100	4.40
6/07/2018 5:00	70.30	6185	177	2.90
6/07/2018 6:00	36.50	7885	372	4.70
6/07/2018 7:00	25.10	7754	436	5.60
6/07/2018 8:00	23.60	7182	384	5.30
6/07/2018 9:00	37.10	6446	329	5.10
6/07/2018 10:00	62.30	5057	304	6.00
6/07/2018 11:00	62.00	5274	364	6.90
6/07/2018 12:00	62.50	5224	298	5.70
6/07/2018 13:00	62.60	5566	307	5.50
6/07/2018 14:00	63.30	6278	296	4.70
6/07/2018 15:00	64.80	6015	200	3.30
6/07/2018 16:00	65.80	5765	178	3.10
6/07/2018 17:00	67.30	4858	171	3.50
6/07/2018 18:00	67.90	4000	129	3.20
6/07/2018 19:00	66.50	3373	118	3.50
6/07/2018 20:00	65.80	2882	121	4.20
6/07/2018 21:00	68.10	2698	91	3.40
6/07/2018 22:00	67.40	1864	68	3.60
6/07/2018 23:00	65.80	1266	56	4.40
6/08/2018 0:00	66.50	824	33	4.00
6/08/2018 1:00	66.60	587	27	4.60
6/08/2018 2:00	66.20	591	44	7.40
6/08/2018 3:00	67.00	871	55	6.30
6/08/2018 4:00	67.50	2211	101	4.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/08/2018 5:00	69.40	6091	188	3.10
6/08/2018 6:00	39.00	8275	383	4.60
6/08/2018 7:00	25.40	7772	410	5.30
6/08/2018 8:00	40.40	6951	302	4.30
6/08/2018 9:00	61.10	5887	353	6.00
6/08/2018 10:00	61.70	5278	324	6.10
6/08/2018 11:00	61.60	5428	352	6.50
6/08/2018 12:00	61.90	5972	330	5.50
6/08/2018 13:00	62.40	6348	308	4.90
6/08/2018 14:00	62.70	6319	282	4.50
6/08/2018 15:00	64.00	5873	227	3.90
6/08/2018 16:00	65.40	5119	172	3.40
6/08/2018 17:00	67.10	4529	138	3.00
6/08/2018 18:00	66.90	4105	143	3.50
6/08/2018 19:00	66.80	3446	122	3.50
6/08/2018 20:00	66.30	2987	101	3.40
6/08/2018 21:00	66.50	2681	90	3.40
6/08/2018 22:00	67.10	2253	59	2.60
6/08/2018 23:00	66.90	1762	49	2.80
6/09/2018 0:00	66.20	1125	43	3.80
6/09/2018 1:00	66.20	713	25	3.50
6/09/2018 2:00	66.50	655	28	4.30
6/09/2018 3:00	65.90	634	42	6.60
6/09/2018 4:00	68.40	1136	43	3.80
6/09/2018 5:00	66.60	1955	89	4.60
6/09/2018 6:00	66.20	2981	119	4.00
6/09/2018 7:00	65.90	3954	138	3.50
6/09/2018 8:00	65.60	4405	147	3.30
6/09/2018 9:00	64.50	4463	159	3.60
6/09/2018 10:00	65.20	4718	176	3.70
6/09/2018 11:00	64.60	4955	178	3.60
6/09/2018 12:00	65.20	5289	184	3.50
6/09/2018 13:00	65.40	5088	171	3.40
6/09/2018 14:00	66.10	5278	144	2.70
6/09/2018 15:00	66.60	5101	131	2.60
6/09/2018 16:00	66.30	4837	124	2.60
6/09/2018 17:00	67.30	4560	110	2.40
6/09/2018 18:00	66.80	4219	104	2.50
6/09/2018 19:00	67.30	3438	81	2.40
6/09/2018 20:00	66.40	3276	77	2.40
6/09/2018 21:00	66.80	3065	71	2.30
6/09/2018 22:00	67.20	2647	51	1.90
6/09/2018 23:00	67.50	1867	36	1.90
6/10/2018 0:00	67.20	1242	15	1.20
6/10/2018 1:00	67.20	980	13	1.30
6/10/2018 2:00	66.10	806	22	2.70
6/10/2018 3:00	66.40	558	12	2.20
6/10/2018 4:00	66.60	651	19	2.90
6/10/2018 5:00	68.10	1144	28	2.40
6/10/2018 6:00	67.00	1745	55	3.20
6/10/2018 7:00	67.10	2443	68	2.80
6/10/2018 8:00	66.20	2960	82	2.80



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/10/2018 9:00	65.40	3513	113	3.20
6/10/2018 10:00	65.10	3944	114	2.90
6/10/2018 11:00	64.90	4336	133	3.10
6/10/2018 12:00	64.60	4854	153	3.20
6/10/2018 13:00	65.50	4754	119	2.50
6/10/2018 14:00	65.60	4767	114	2.40
6/10/2018 15:00	65.90	4449	113	2.50
6/10/2018 16:00	66.20	4419	91	2.10
6/10/2018 17:00	65.30	4029	109	2.70
6/10/2018 18:00	65.90	3640	100	2.70
6/10/2018 19:00	65.20	3459	96	2.80
6/10/2018 20:00	64.70	3100	74	2.40
6/10/2018 21:00	67.10	2574	61	2.40
6/10/2018 22:00	67.30	1817	48	2.60
6/10/2018 23:00	66.60	1300	39	3.00
6/11/2018 0:00	66.50	949	33	3.50
6/11/2018 1:00	66.60	706	23	3.30
6/11/2018 2:00	66.70	695	28	4.00
6/11/2018 3:00	67.20	914	47	5.10
6/11/2018 4:00	67.90	2332	94	4.00
6/11/2018 5:00	66.50	6329	176	2.80
6/11/2018 6:00	35.30	8308	404	4.90
6/11/2018 7:00	24.50	7649	470	6.10
6/11/2018 8:00	25.10	7378	496	6.70
6/11/2018 9:00	51.30	5897	309	5.20
6/11/2018 10:00	59.10	4875	331	6.80
6/11/2018 11:00	60.20	4963	317	6.40
6/11/2018 12:00	59.90	5194	357	6.90
6/11/2018 13:00	60.60	5354	334	6.20
6/11/2018 14:00	62.70	5928	284	4.80
6/11/2018 15:00	63.10	6093	235	3.90
6/11/2018 16:00	63.90	5588	207	3.70
6/11/2018 17:00	65.20	5101	159	3.10
6/11/2018 18:00	65.50	3945	132	3.30
6/11/2018 19:00	65.00	3162	131	4.10
6/11/2018 20:00	64.70	2915	111	3.80
6/11/2018 21:00	65.00	2324	95	4.10
6/11/2018 22:00	66.90	1572	50	3.20
6/11/2018 23:00	66.20	1110	46	4.10
6/12/2018 0:00	65.20	763	52	6.80
6/12/2018 1:00	64.80	524	43	8.20
6/12/2018 2:00	66.80	499	22	4.40
6/12/2018 3:00	66.90	806	44	5.50
6/12/2018 4:00	66.80	2328	128	5.50
6/12/2018 5:00	69.70	6455	213	3.30
6/12/2018 6:00	34.80	8191	361	4.40
6/12/2018 7:00	25.60	7947	451	5.70
6/12/2018 8:00	24.50	7395	413	5.60
6/12/2018 9:00	50.40	6534	371	5.70
6/12/2018 10:00	61.60	4990	323	6.50
6/12/2018 11:00	61.90	4953	314	6.30
6/12/2018 12:00	62.20	5223	321	6.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/12/2018 13:00	62.20	5533	325	5.90
6/12/2018 14:00	63.20	6012	292	4.90
6/12/2018 15:00	64.40	5965	213	3.60
6/12/2018 16:00	65.20	5604	191	3.40
6/12/2018 17:00	66.70	4983	163	3.30
6/12/2018 18:00	67.30	4024	139	3.50
6/12/2018 19:00	66.50	3401	137	4.00
6/12/2018 20:00	66.20	2793	92	3.30
6/12/2018 21:00	66.60	2809	122	4.30
6/12/2018 22:00	67.10	1929	72	3.70
6/12/2018 23:00	67.40	1552	59	3.80
6/13/2018 0:00	65.80	839	41	4.90
6/13/2018 1:00	65.60	522	46	8.80
6/13/2018 2:00	66.80	516	30	5.80
6/13/2018 3:00	67.10	819	46	5.60
6/13/2018 4:00	67.50	2248	104	4.60
6/13/2018 5:00	69.80	6345	189	3.00
6/13/2018 6:00	36.90	8307	371	4.50
6/13/2018 7:00	26.90	8034	373	4.60
6/13/2018 8:00	25.00	7351	394	5.40
6/13/2018 9:00	47.20	6312	347	5.50
6/13/2018 10:00	61.50	5017	327	6.50
6/13/2018 11:00	61.90	5059	316	6.20
6/13/2018 12:00	61.50	5283	335	6.30
6/13/2018 13:00	61.80	5739	336	5.90
6/13/2018 14:00	63.20	6184	270	4.40
6/13/2018 15:00	64.40	6272	213	3.40
6/13/2018 16:00	65.40	5630	187	3.30
6/13/2018 17:00	66.40	4967	157	3.20
6/13/2018 18:00	67.20	3779	130	3.40
6/13/2018 19:00	66.80	3444	113	3.30
6/13/2018 20:00	64.40	3562	160	4.50
6/13/2018 21:00	67.60	2704	98	3.60
6/13/2018 22:00	67.80	1849	53	2.90
6/13/2018 23:00	67.40	1297	56	4.30
6/14/2018 0:00	66.80	817	39	4.80
6/14/2018 1:00	66.00	509	34	6.70
6/14/2018 2:00	66.30	555	37	6.70
6/14/2018 3:00	67.20	842	47	5.60
6/14/2018 4:00	68.60	2211	91	4.10
6/14/2018 5:00	69.80	6411	183	2.90
6/14/2018 6:00	36.70	8245	350	4.20
6/14/2018 7:00	25.60	7889	452	5.70
6/14/2018 8:00	26.30	7670	503	6.60
6/14/2018 9:00	41.10	6331	320	5.10
6/14/2018 10:00	60.10	5342	365	6.80
6/14/2018 11:00	60.30	5487	331	6.00
6/14/2018 12:00	60.20	5483	326	5.90
6/14/2018 13:00	60.70	5788	333	5.80
6/14/2018 14:00	61.70	6302	289	4.60
6/14/2018 15:00	63.30	6154	204	3.30
6/14/2018 16:00	64.10	5578	177	3.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/14/2018 17:00	65.00	5102	156	3.10
6/14/2018 18:00	65.30	4022	141	3.50
6/14/2018 19:00	65.10	3472	134	3.90
6/14/2018 20:00	63.70	3025	125	4.10
6/14/2018 21:00	65.80	2736	105	3.80
6/14/2018 22:00	66.80	1877	68	3.60
6/14/2018 23:00	65.70	1335	57	4.30
6/15/2018 0:00	66.80	906	42	4.60
6/15/2018 1:00	66.10	565	36	6.40
6/15/2018 2:00	66.70	553	33	6.00
6/15/2018 3:00	66.90	858	64	7.50
6/15/2018 4:00	67.80	2119	101	4.80
6/15/2018 5:00	69.60	6202	193	3.10
6/15/2018 6:00	63.20	8609	278	3.20
6/15/2018 7:00	30.90	7883	378	4.80
6/15/2018 8:00	58.60	6503	312	4.80
6/15/2018 9:00	61.70	6176	356	5.80
6/15/2018 10:00	61.70	5574	346	6.20
6/15/2018 11:00	62.30	5623	343	6.10
6/15/2018 12:00	61.40	5910	339	5.70
6/15/2018 13:00	63.00	6291	314	5.00
6/15/2018 14:00	63.30	6451	263	4.10
6/15/2018 15:00	64.60	5998	222	3.70
6/15/2018 16:00	66.40	5108	166	3.20
6/15/2018 17:00	67.10	4608	135	2.90
6/15/2018 18:00	67.30	4272	146	3.40
6/15/2018 19:00	67.80	3596	123	3.40
6/15/2018 20:00	67.00	3155	105	3.30
6/15/2018 21:00	66.50	2749	96	3.50
6/15/2018 22:00	67.50	2285	63	2.80
6/15/2018 23:00	66.90	1740	51	2.90
6/16/2018 0:00	66.90	1058	31	2.90
6/16/2018 1:00	66.20	754	29	3.80
6/16/2018 2:00	67.10	662	27	4.10
6/16/2018 3:00	66.50	652	32	4.90
6/16/2018 4:00	67.70	1042	47	4.50
6/16/2018 5:00	66.90	1942	85	4.40
6/16/2018 6:00	66.10	2893	90	3.10
6/16/2018 7:00	64.80	3759	155	4.10
6/16/2018 8:00	65.80	4583	160	3.50
6/16/2018 9:00	64.00	4681	210	4.50
6/16/2018 10:00	63.50	4730	202	4.30
6/16/2018 11:00	64.30	5200	211	4.10
6/16/2018 12:00	65.00	5552	188	3.40
6/16/2018 13:00	65.80	5367	165	3.10
6/16/2018 14:00	64.80	5577	211	3.80
6/16/2018 15:00	66.00	5550	157	2.80
6/16/2018 16:00	67.10	5077	112	2.20
6/16/2018 17:00	67.30	4732	113	2.40
6/16/2018 18:00	67.40	4134	99	2.40
6/16/2018 19:00	68.00	3382	68	2.00
6/16/2018 20:00	66.30	3160	71	2.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/16/2018 21:00	67.10	2900	72	2.50
6/16/2018 22:00	67.60	2495	47	1.90
6/16/2018 23:00	67.60	1928	36	1.90
6/17/2018 0:00	67.40	1397	20	1.40
6/17/2018 1:00	66.70	938	19	2.00
6/17/2018 2:00	66.60	719	19	2.60
6/17/2018 3:00	66.80	524	10	1.90
6/17/2018 4:00	67.00	609	13	2.10
6/17/2018 5:00	66.40	1063	29	2.70
6/17/2018 6:00	67.30	1651	47	2.80
6/17/2018 7:00	67.30	2263	62	2.70
6/17/2018 8:00	67.30	2740	83	3.00
6/17/2018 9:00	67.80	3253	76	2.30
6/17/2018 10:00	66.00	4109	123	3.00
6/17/2018 11:00	65.80	4282	124	2.90
6/17/2018 12:00	64.80	4765	128	2.70
6/17/2018 13:00	66.00	5139	139	2.70
6/17/2018 14:00	66.10	4803	118	2.50
6/17/2018 15:00	66.50	4750	112	2.40
6/17/2018 16:00	67.20	4447	90	2.00
6/17/2018 17:00	66.80	4066	88	2.20
6/17/2018 18:00	66.90	3786	83	2.20
6/17/2018 19:00	66.70	3640	62	1.70
6/17/2018 20:00	65.30	3434	78	2.30
6/17/2018 21:00	67.60	2781	60	2.20
6/17/2018 22:00	67.80	1821	39	2.10
6/17/2018 23:00	67.00	1358	36	2.70
6/18/2018 0:00	66.90	929	33	3.60
6/18/2018 1:00	66.30	612	25	4.10
6/18/2018 2:00	65.90	570	34	6.00
6/18/2018 3:00	67.10	897	40	4.50
6/18/2018 4:00	69.80	2278	71	3.10
6/18/2018 5:00	66.70	6469	183	2.80
6/18/2018 6:00	38.60	8304	322	3.90
6/18/2018 7:00	26.10	7895	322	4.10
6/18/2018 8:00	32.50	7138	512	7.20
6/18/2018 9:00	60.30	5897	378	6.40
6/18/2018 10:00	59.60	4917	350	7.10
6/18/2018 11:00	59.60	5021	326	6.50
6/18/2018 12:00	60.20	4964	326	6.60
6/18/2018 13:00	60.40	5408	315	5.80
6/18/2018 14:00	62.40	5784	263	4.50
6/18/2018 15:00	63.60	6013	215	3.60
6/18/2018 16:00	64.10	5543	190	3.40
6/18/2018 17:00	64.30	5066	154	3.00
6/18/2018 18:00	64.50	3990	148	3.70
6/18/2018 19:00	65.50	3138	114	3.60
6/18/2018 20:00	64.60	2922	110	3.80
6/18/2018 21:00	65.80	2325	87	3.70
6/18/2018 22:00	67.20	1674	51	3.00
6/18/2018 23:00	66.30	1139	43	3.80
6/19/2018 0:00	65.90	794	40	5.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/19/2018 1:00	65.80	572	33	5.80
6/19/2018 2:00	66.30	577	31	5.40
6/19/2018 3:00	67.20	818	46	5.60
6/19/2018 4:00	68.40	2213	104	4.70
6/19/2018 5:00	70.40	6466	194	3.00
6/19/2018 6:00	37.60	8290	293	3.50
6/19/2018 7:00	25.70	7863	471	6.00
6/19/2018 8:00	27.30	7561	456	6.00
6/19/2018 9:00	58.40	6212	348	5.60
6/19/2018 10:00	61.50	5149	327	6.40
6/19/2018 11:00	61.80	4868	329	6.80
6/19/2018 12:00	62.10	5172	333	6.40
6/19/2018 13:00	61.90	5578	322	5.80
6/19/2018 14:00	63.70	6250	276	4.40
6/19/2018 15:00	64.50	6097	235	3.90
6/19/2018 16:00	66.10	5678	189	3.30
6/19/2018 17:00	67.20	4960	162	3.30
6/19/2018 18:00	67.40	3879	137	3.50
6/19/2018 19:00	68.90	3231	95	2.90
6/19/2018 20:00	65.30	3047	124	4.10
6/19/2018 21:00	66.10	2485	103	4.10
6/19/2018 22:00	67.30	1924	71	3.70
6/19/2018 23:00	67.00	1370	53	3.90
6/20/2018 0:00	66.60	749	31	4.10
6/20/2018 1:00	66.70	519	33	6.40
6/20/2018 2:00	66.60	508	25	4.90
6/20/2018 3:00	67.60	817	48	5.90
6/20/2018 4:00	68.50	2211	98	4.40
6/20/2018 5:00	70.00	6343	175	2.80
6/20/2018 6:00	30.10	7413	321	4.30
6/20/2018 7:00	15.90	5823	501	8.60
6/20/2018 8:00	24.60	7494	473	6.30
6/20/2018 9:00	49.60	5960	383	6.40
6/20/2018 10:00	61.10	4790	307	6.40
6/20/2018 11:00	61.50	5021	325	6.50
6/20/2018 12:00	61.30	5190	348	6.70
6/20/2018 13:00	61.80	5653	315	5.60
6/20/2018 14:00	63.00	6172	276	4.50
6/20/2018 15:00	63.90	6194	202	3.30
6/20/2018 16:00	61.10	5813	157	2.70
6/20/2018 17:00	59.00	5394	115	2.10
6/20/2018 18:00	59.70	4101	146	3.60
6/20/2018 19:00	67.50	3328	103	3.10
6/20/2018 20:00	65.50	2818	107	3.80
6/20/2018 21:00	66.50	2503	97	3.90
6/20/2018 22:00	67.10	1735	62	3.60
6/20/2018 23:00	67.40	1284	53	4.10
6/21/2018 0:00	66.20	826	47	5.70
6/21/2018 1:00	65.90	565	48	8.50
6/21/2018 2:00	66.70	495	32	6.50
6/21/2018 3:00	67.40	880	58	6.60
6/21/2018 4:00	67.10	2256	102	4.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/21/2018 5:00	69.10	6380	191	3.00
6/21/2018 6:00	29.70	7628	329	4.30
6/21/2018 7:00	23.20	7579	437	5.80
6/21/2018 8:00	24.50	7453	323	4.30
6/21/2018 9:00	57.50	6137	324	5.30
6/21/2018 10:00	61.20	5152	305	5.90
6/21/2018 11:00	60.00	4997	325	6.50
6/21/2018 12:00	61.00	5463	313	5.70
6/21/2018 13:00	61.10	6200	309	5.00
6/21/2018 14:00	63.00	6287	300	4.80
6/21/2018 15:00	64.10	6173	232	3.80
6/21/2018 16:00	63.90	5507	186	3.40
6/21/2018 17:00	65.10	4866	145	3.00
6/21/2018 18:00	65.30	4016	146	3.60
6/21/2018 19:00	65.80	3197	106	3.30
6/21/2018 20:00	64.80	2833	103	3.60
6/21/2018 21:00	67.30	2550	86	3.40
6/21/2018 22:00	67.50	2218	75	3.40
6/21/2018 23:00	69.00	2245	65	2.90
6/22/2018 0:00	67.30	1137	47	4.10
6/22/2018 1:00	66.00	656	34	5.20
6/22/2018 2:00	66.70	590	37	6.30
6/22/2018 3:00	67.20	872	54	6.20
6/22/2018 4:00	68.20	2279	117	5.10
6/22/2018 5:00	68.30	6204	163	2.60
6/22/2018 6:00	31.30	7783	257	3.30
6/22/2018 7:00	21.90	6495	162	2.50
6/22/2018 8:00	37.40	7109	433	6.10
6/22/2018 9:00	62.20	5959	324	5.40
6/22/2018 10:00	60.80	5500	365	6.60
6/22/2018 11:00	59.70	5527	387	7.00
6/22/2018 12:00	61.80	5799	339	5.80
6/22/2018 13:00	62.30	6062	319	5.30
6/22/2018 14:00	63.00	6342	275	4.30
6/22/2018 15:00	64.30	5776	203	3.50
6/22/2018 16:00	65.40	5123	186	3.60
6/22/2018 17:00	66.10	4710	164	3.50
6/22/2018 18:00	67.80	4068	128	3.10
6/22/2018 19:00	66.50	3647	115	3.20
6/22/2018 20:00	66.60	3137	93	3.00
6/22/2018 21:00	65.70	2787	101	3.60
6/22/2018 22:00	67.50	2177	62	2.80
6/22/2018 23:00	65.90	1658	49	3.00
6/23/2018 0:00	65.70	1105	38	3.40
6/23/2018 1:00	66.80	783	29	3.70
6/23/2018 2:00	65.50	610	34	5.60
6/23/2018 3:00	65.90	659	39	5.90
6/23/2018 4:00	67.20	1088	50	4.60
6/23/2018 5:00	65.90	1882	85	4.50
6/23/2018 6:00	65.10	2805	107	3.80
6/23/2018 7:00	64.50	3589	138	3.80
6/23/2018 8:00	64.40	3881	131	3.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/23/2018 9:00	64.70	4076	153	3.80
6/23/2018 10:00	64.20	4870	194	4.00
6/23/2018 11:00	64.30	4749	181	3.80
6/23/2018 12:00	65.20	5127	157	3.10
6/23/2018 13:00	65.60	5279	165	3.10
6/23/2018 14:00	66.30	5119	148	2.90
6/23/2018 15:00	56.90	4984	120	2.40
6/23/2018 16:00	64.80	4380	107	2.40
6/23/2018 17:00	67.60	4564	107	2.30
6/23/2018 18:00	67.60	3984	81	2.00
6/23/2018 19:00	67.20	3331	81	2.40
6/23/2018 20:00	65.60	3181	80	2.50
6/23/2018 21:00	67.40	2810	54	1.90
6/23/2018 22:00	67.50	2376	49	2.10
6/23/2018 23:00	67.10	1842	30	1.60
6/24/2018 0:00	66.10	1383	32	2.30
6/24/2018 1:00	66.70	905	17	1.90
6/24/2018 2:00	66.60	796	19	2.40
6/24/2018 3:00	66.90	528	10	1.90
6/24/2018 4:00	66.50	669	23	3.40
6/24/2018 5:00	66.80	1127	30	2.70
6/24/2018 6:00	66.80	1777	59	3.30
6/24/2018 7:00	67.40	2304	64	2.80
6/24/2018 8:00	66.00	2869	80	2.80
6/24/2018 9:00	65.60	3319	103	3.10
6/24/2018 10:00	65.90	3924	120	3.10
6/24/2018 11:00	65.90	4180	122	2.90
6/24/2018 12:00	66.00	4725	133	2.80
6/24/2018 13:00	65.70	4757	129	2.70
6/24/2018 14:00	66.40	4603	121	2.60
6/24/2018 15:00	66.10	4715	110	2.30
6/24/2018 16:00	66.50	4626	113	2.40
6/24/2018 17:00	66.40	4150	106	2.60
6/24/2018 18:00	67.10	3675	91	2.50
6/24/2018 19:00	65.70	3446	90	2.60
6/24/2018 20:00	64.60	3156	66	2.10
6/24/2018 21:00	67.30	2604	63	2.40
6/24/2018 22:00	66.90	1997	48	2.40
6/24/2018 23:00	67.30	1458	43	2.90
6/25/2018 0:00	67.40	1011	34	3.40
6/25/2018 1:00	66.20	766	47	6.10
6/25/2018 2:00	66.60	810	42	5.20
6/25/2018 3:00	65.80	1019	66	6.50
6/25/2018 4:00	67.30	2374	89	3.70
6/25/2018 5:00	68.40	6564	189	2.90
6/25/2018 6:00	39.10	8221	277	3.40
6/25/2018 7:00	25.70	7835	371	4.70
6/25/2018 8:00	25.80	7267	359	4.90
6/25/2018 9:00	58.70	5726	346	6.00
6/25/2018 10:00	60.10	4674	326	7.00
6/25/2018 11:00	60.90	4575	312	6.80
6/25/2018 12:00	62.50	5012	295	5.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/25/2018 13:00	62.30	5350	339	6.30
6/25/2018 14:00	62.70	5968	287	4.80
6/25/2018 15:00	63.50	5927	238	4.00
6/25/2018 16:00	65.50	5458	173	3.20
6/25/2018 17:00	66.60	4964	166	3.30
6/25/2018 18:00	66.70	3771	135	3.60
6/25/2018 19:00	66.90	3178	121	3.80
6/25/2018 20:00	66.70	2839	92	3.20
6/25/2018 21:00	66.00	2312	97	4.20
6/25/2018 22:00	65.90	1675	61	3.60
6/25/2018 23:00	65.00	1208	53	4.40
6/26/2018 0:00	65.20	798	55	6.90
6/26/2018 1:00	65.60	508	37	7.30
6/26/2018 2:00	66.30	568	41	7.20
6/26/2018 3:00	67.10	840	42	5.00
6/26/2018 4:00	69.10	2220	85	3.80
6/26/2018 5:00	69.10	6394	198	3.10
6/26/2018 6:00	38.10	8239	420	5.10
6/26/2018 7:00	27.40	8048	439	5.50
6/26/2018 8:00	27.20	7460	425	5.70
6/26/2018 9:00	59.20	6112	348	5.70
6/26/2018 10:00	60.90	4931	327	6.60
6/26/2018 11:00	61.10	4754	329	6.90
6/26/2018 12:00	61.40	5020	325	6.50
6/26/2018 13:00	60.90	5369	328	6.10
6/26/2018 14:00	62.30	5942	285	4.80
6/26/2018 15:00	63.80	5973	205	3.40
6/26/2018 16:00	64.70	5706	198	3.50
6/26/2018 17:00	66.30	5172	172	3.30
6/26/2018 18:00	66.50	3971	151	3.80
6/26/2018 19:00	65.20	3125	135	4.30
6/26/2018 20:00	65.70	2923	106	3.60
6/26/2018 21:00	66.60	2567	90	3.50
6/26/2018 22:00	66.20	1842	69	3.70
6/26/2018 23:00	67.40	1231	39	3.20
6/27/2018 0:00	66.00	767	48	6.30
6/27/2018 1:00	66.40	496	24	4.80
6/27/2018 2:00	66.30	565	44	7.80
6/27/2018 3:00	67.60	837	43	5.10
6/27/2018 4:00	68.90	2260	81	3.60
6/27/2018 5:00	68.70	6247	187	3.00
6/27/2018 6:00	34.80	8130	336	4.10
6/27/2018 7:00	27.80	8124	526	6.50
6/27/2018 8:00	39.50	6644	395	5.90
6/27/2018 9:00	26.20	5997	246	4.10
6/27/2018 10:00	57.40	4752	287	6.00
6/27/2018 11:00	62.10	4714	276	5.90
6/27/2018 12:00	62.50	5064	291	5.70
6/27/2018 13:00	61.30	5901	361	6.10
6/27/2018 14:00	63.30	5968	267	4.50
6/27/2018 15:00	65.10	5959	196	3.30
6/27/2018 16:00	65.10	5567	210	3.80



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/27/2018 17:00	66.90	4733	145	3.10
6/27/2018 18:00	66.90	3757	124	3.30
6/27/2018 19:00	65.90	3359	137	4.10
6/27/2018 20:00	65.90	2897	113	3.90
6/27/2018 21:00	65.30	2548	113	4.40
6/27/2018 22:00	66.40	1782	60	3.40
6/27/2018 23:00	67.10	1237	53	4.30
6/28/2018 0:00	66.20	834	48	5.80
6/28/2018 1:00	65.90	604	42	7.00
6/28/2018 2:00	66.30	556	37	6.70
6/28/2018 3:00	67.20	827	46	5.60
6/28/2018 4:00	67.50	2280	112	4.90
6/28/2018 5:00	68.90	6385	195	3.10
6/28/2018 6:00	37.30	8081	345	4.30
6/28/2018 7:00	25.80	7900	547	6.90
6/28/2018 8:00	40.80	7284	373	5.10
6/28/2018 9:00	22.10	5487	304	5.50
6/28/2018 10:00	53.00	4594	328	7.10
6/28/2018 11:00	60.70	4844	296	6.10
6/28/2018 12:00	60.30	5260	331	6.30
6/28/2018 13:00	60.70	5240	283	5.40
6/28/2018 14:00	62.20	6142	274	4.50
6/28/2018 15:00	63.20	6143	207	3.40
6/28/2018 16:00	63.60	5636	203	3.60
6/28/2018 17:00	65.10	5189	161	3.10
6/28/2018 18:00	65.80	3943	130	3.30
6/28/2018 19:00	65.30	3472	123	3.50
6/28/2018 20:00	64.30	2914	129	4.40
6/28/2018 21:00	66.10	2673	100	3.70
6/28/2018 22:00	66.50	1976	60	3.00
6/28/2018 23:00	66.90	1347	46	3.40
6/29/2018 0:00	67.00	832	37	4.40
6/29/2018 1:00	65.50	602	37	6.10
6/29/2018 2:00	66.40	580	44	7.60
6/29/2018 3:00	67.20	857	53	6.20
6/29/2018 4:00	68.30	2204	113	5.10
6/29/2018 5:00	70.00	5982	167	2.80
6/29/2018 6:00	44.50	8153	319	3.90
6/29/2018 7:00	30.80	7897	561	7.10
6/29/2018 8:00	61.50	6738	316	4.70
6/29/2018 9:00	62.30	5658	350	6.20
6/29/2018 10:00	61.80	5182	368	7.10
6/29/2018 11:00	62.20	5636	324	5.70
6/29/2018 12:00	62.30	6089	349	5.70
6/29/2018 13:00	62.10	6179	332	5.40
6/29/2018 14:00	63.60	6370	278	4.40
6/29/2018 15:00	65.00	5886	213	3.60
6/29/2018 16:00	65.80	5324	197	3.70
6/29/2018 17:00	67.50	4738	159	3.40
6/29/2018 18:00	67.80	4274	151	3.50
6/29/2018 19:00	67.50	3633	125	3.40
6/29/2018 20:00	67.00	3197	102	3.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/29/2018 21:00	67.80	2740	77	2.80
6/29/2018 22:00	67.60	2664	87	3.30
6/29/2018 23:00	67.40	1944	63	3.20
6/30/2018 0:00	67.30	1241	37	3.00
6/30/2018 1:00	66.30	806	21	2.60
6/30/2018 2:00	66.50	690	35	5.10
6/30/2018 3:00	66.30	654	34	5.20
6/30/2018 4:00	67.70	1107	43	3.90
6/30/2018 5:00	68.30	1847	64	3.50
6/30/2018 6:00	65.60	2873	109	3.80
6/30/2018 7:00	65.00	3718	157	4.20
6/30/2018 8:00	65.30	4145	132	3.20
6/30/2018 9:00	63.60	4458	193	4.30
6/30/2018 10:00	63.20	4632	205	4.40
6/30/2018 11:00	64.80	4812	174	3.60
6/30/2018 12:00	65.10	4903	174	3.50
6/30/2018 13:00	64.90	5078	171	3.40
6/30/2018 14:00	65.20	5169	149	2.90
6/30/2018 15:00	65.50	4923	138	2.80
6/30/2018 16:00	65.90	4744	135	2.80
6/30/2018 17:00	66.20	4210	109	2.60
6/30/2018 18:00	66.70	3995	103	2.60
6/30/2018 19:00	67.00	3499	73	2.10
6/30/2018 20:00	66.20	3299	67	2.00
6/30/2018 21:00	66.90	2957	76	2.60
6/30/2018 22:00	67.10	2804	60	2.10
6/30/2018 23:00	67.10	2116	41	1.90
7/01/2018 0:00	67.10	1317	20	1.50
7/01/2018 1:00	66.00	942	27	2.90
7/01/2018 2:00	66.80	794	15	1.90
7/01/2018 3:00	66.60	562	14	2.50
7/01/2018 4:00	66.70	635	25	3.90
7/01/2018 5:00	66.30	1095	41	3.70
7/01/2018 6:00	67.10	1610	39	2.40
7/01/2018 7:00	67.10	2257	60	2.70
7/01/2018 8:00	66.60	2820	81	2.90
7/01/2018 9:00	64.70	3377	91	2.70
7/01/2018 10:00	66.00	3833	116	3.00
7/01/2018 11:00	66.10	3890	102	2.60
7/01/2018 12:00	65.50	4417	131	3.00
7/01/2018 13:00	65.10	4530	143	3.20
7/01/2018 14:00	66.30	4583	122	2.70
7/01/2018 15:00	66.50	4439	105	2.40
7/01/2018 16:00	66.20	4474	108	2.40
7/01/2018 17:00	66.60	4188	89	2.10
7/01/2018 18:00	66.50	3760	97	2.60
7/01/2018 19:00	66.00	3451	77	2.20
7/01/2018 20:00	65.20	2854	72	2.50
7/01/2018 21:00	67.10	2890	66	2.30
7/01/2018 22:00	67.00	2068	45	2.20
7/01/2018 23:00	66.80	1473	48	3.30
7/02/2018 0:00	67.20	975	32	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/02/2018 1:00	66.60	728	34	4.70
7/02/2018 2:00	67.00	662	25	3.80
7/02/2018 3:00	66.80	957	47	4.90
7/02/2018 4:00	67.50	2311	90	3.90
7/02/2018 5:00	68.90	6020	164	2.70
7/02/2018 6:00	40.90	8271	332	4.00
7/02/2018 7:00	31.20	7569	534	7.10
7/02/2018 8:00	63.70	6381	306	4.80
7/02/2018 9:00	32.50	5907	272	4.60
7/02/2018 10:00	43.30	4558	279	6.10
7/02/2018 11:00	61.80	4701	309	6.60
7/02/2018 12:00	61.30	5108	344	6.70
7/02/2018 13:00	63.10	5332	281	5.30
7/02/2018 14:00	64.00	5590	241	4.30
7/02/2018 15:00	64.30	5950	221	3.70
7/02/2018 16:00	65.10	5534	187	3.40
7/02/2018 17:00	65.80	5170	184	3.60
7/02/2018 18:00	67.50	3933	132	3.40
7/02/2018 19:00	66.50	3070	124	4.00
7/02/2018 20:00	65.80	2827	105	3.70
7/02/2018 21:00	65.50	2382	90	3.80
7/02/2018 22:00	67.10	1776	66	3.70
7/02/2018 23:00	66.40	1248	49	3.90
7/03/2018 0:00	65.70	803	47	5.90
7/03/2018 1:00	66.00	554	34	6.10
7/03/2018 2:00	66.90	536	26	4.90
7/03/2018 3:00	66.70	859	53	6.20
7/03/2018 4:00	67.10	2292	119	5.20
7/03/2018 5:00	69.60	5846	178	3.00
7/03/2018 6:00	62.20	8716	277	3.20
7/03/2018 7:00	43.10	8195	392	4.80
7/03/2018 8:00	20.50	6068	274	4.50
7/03/2018 9:00	61.30	5811	310	5.30
7/03/2018 10:00	61.40	4957	298	6.00
7/03/2018 11:00	62.10	4939	296	6.00
7/03/2018 12:00	62.70	5358	295	5.50
7/03/2018 13:00	62.80	5752	301	5.20
7/03/2018 14:00	63.20	6314	276	4.40
7/03/2018 15:00	64.00	5987	216	3.60
7/03/2018 16:00	64.30	5321	199	3.70
7/03/2018 17:00	66.90	4956	144	2.90
7/03/2018 18:00	66.40	4038	153	3.80
7/03/2018 19:00	66.70	3465	120	3.50
7/03/2018 20:00	66.20	3034	106	3.50
7/03/2018 21:00	66.50	2566	106	4.10
7/03/2018 22:00	68.20	2012	53	2.60
7/03/2018 23:00	68.20	1445	48	3.30
7/04/2018 0:00	68.40	1009	31	3.10
7/04/2018 1:00	67.50	702	26	3.70
7/04/2018 2:00	67.10	570	26	4.60
7/04/2018 3:00	66.70	479	23	4.80
7/04/2018 4:00	66.80	626	31	5.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/04/2018 5:00	69.00	1183	38	3.20
7/04/2018 6:00	66.70	1803	68	3.80
7/04/2018 7:00	66.30	1900	67	3.50
7/04/2018 8:00	66.50	2337	91	3.90
7/04/2018 9:00	64.90	2780	131	4.70
7/04/2018 10:00	65.90	3018	115	3.80
7/04/2018 11:00	66.00	3360	121	3.60
7/04/2018 12:00	67.60	3673	112	3.00
7/04/2018 13:00	67.20	3679	117	3.20
7/04/2018 14:00	68.80	3584	84	2.30
7/04/2018 15:00	67.60	3318	87	2.60
7/04/2018 16:00	67.50	2859	71	2.50
7/04/2018 17:00	67.70	2676	72	2.70
7/04/2018 18:00	67.90	2378	56	2.40
7/04/2018 19:00	66.80	2527	61	2.40
7/04/2018 20:00	65.80	2269	48	2.10
7/04/2018 21:00	68.20	2653	62	2.30
7/04/2018 22:00	67.90	3339	77	2.30
7/04/2018 23:00	69.00	2101	44	2.10
7/05/2018 0:00	68.50	1086	26	2.40
7/05/2018 1:00	67.70	631	19	3.00
7/05/2018 2:00	67.00	562	25	4.40
7/05/2018 3:00	66.60	786	43	5.50
7/05/2018 4:00	68.70	2013	78	3.90
7/05/2018 5:00	69.30	5527	184	3.30
7/05/2018 6:00	63.10	8084	286	3.50
7/05/2018 7:00	62.60	7846	309	3.90
7/05/2018 8:00	61.70	6469	317	4.90
7/05/2018 9:00	62.00	5558	315	5.70
7/05/2018 10:00	61.70	4707	309	6.60
7/05/2018 11:00	61.30	5073	336	6.60
7/05/2018 12:00	61.40	5234	341	6.50
7/05/2018 13:00	62.90	5427	266	4.90
7/05/2018 14:00	62.80	5740	272	4.70
7/05/2018 15:00	64.40	5633	207	3.70
7/05/2018 16:00	64.90	4990	204	4.10
7/05/2018 17:00	66.90	4740	126	2.70
7/05/2018 18:00	67.10	3891	140	3.60
7/05/2018 19:00	67.00	3430	113	3.30
7/05/2018 20:00	65.30	3115	130	4.20
7/05/2018 21:00	66.60	2678	107	4.00
7/05/2018 22:00	67.70	1988	67	3.40
7/05/2018 23:00	67.10	1349	47	3.50
7/06/2018 0:00	66.40	850	47	5.50
7/06/2018 1:00	65.90	611	30	4.90
7/06/2018 2:00	66.60	574	32	5.60
7/06/2018 3:00	67.00	841	52	6.20
7/06/2018 4:00	69.10	2106	103	4.90
7/06/2018 5:00	69.10	5773	177	3.10
7/06/2018 6:00	55.70	7608	282	3.70
7/06/2018 7:00	52.20	7515	292	3.90
7/06/2018 8:00	62.90	6188	267	4.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/06/2018 9:00	62.80	6149	351	5.70
7/06/2018 10:00	62.70	5342	348	6.50
7/06/2018 11:00	61.50	5146	320	6.20
7/06/2018 12:00	61.60	5407	356	6.60
7/06/2018 13:00	60.80	5480	328	6.00
7/06/2018 14:00	62.70	5884	251	4.30
7/06/2018 15:00	63.50	5419	213	3.90
7/06/2018 16:00	65.40	4968	174	3.50
7/06/2018 17:00	66.10	4718	180	3.80
7/06/2018 18:00	67.40	3970	128	3.20
7/06/2018 19:00	67.90	3267	104	3.20
7/06/2018 20:00	66.10	3037	102	3.40
7/06/2018 21:00	66.40	2677	81	3.00
7/06/2018 22:00	67.10	2309	69	3.00
7/06/2018 23:00	67.40	1991	43	2.20
7/07/2018 0:00	67.30	1469	40	2.70
7/07/2018 1:00	65.80	917	40	4.40
7/07/2018 2:00	66.20	741	30	4.00
7/07/2018 3:00	66.80	675	38	5.60
7/07/2018 4:00	67.50	947	40	4.20
7/07/2018 5:00	66.50	1700	86	5.10
7/07/2018 6:00	65.20	2740	92	3.40
7/07/2018 7:00	65.00	3371	119	3.50
7/07/2018 8:00	64.50	3759	140	3.70
7/07/2018 9:00	63.10	4327	194	4.50
7/07/2018 10:00	64.00	4377	172	3.90
7/07/2018 11:00	63.20	4711	186	3.90
7/07/2018 12:00	64.60	4864	177	3.60
7/07/2018 13:00	65.20	4691	164	3.50
7/07/2018 14:00	65.40	4816	154	3.20
7/07/2018 15:00	65.90	4747	139	2.90
7/07/2018 16:00	66.60	4312	101	2.30
7/07/2018 17:00	66.90	3990	99	2.50
7/07/2018 18:00	67.10	3701	84	2.30
7/07/2018 19:00	67.40	3423	81	2.40
7/07/2018 20:00	65.80	3201	82	2.60
7/07/2018 21:00	67.10	3170	77	2.40
7/07/2018 22:00	67.20	2913	61	2.10
7/07/2018 23:00	66.80	2257	52	2.30
7/08/2018 0:00	66.80	1396	29	2.10
7/08/2018 1:00	66.90	991	19	1.90
7/08/2018 2:00	67.10	723	11	1.50
7/08/2018 3:00	66.90	563	9	1.60
7/08/2018 4:00	67.20	670	15	2.20
7/08/2018 5:00	66.90	1093	33	3.00
7/08/2018 6:00	67.50	1713	48	2.80
7/08/2018 7:00	67.20	2161	66	3.10
7/08/2018 8:00	65.80	2680	88	3.30
7/08/2018 9:00	65.10	3250	89	2.70
7/08/2018 10:00	65.30	3643	102	2.80
7/08/2018 11:00	65.40	3880	134	3.50
7/08/2018 12:00	65.50	4400	123	2.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/08/2018 13:00	65.70	4691	132	2.80
7/08/2018 14:00	66.10	4516	137	3.00
7/08/2018 15:00	66.50	4485	109	2.40
7/08/2018 16:00	66.30	4278	104	2.40
7/08/2018 17:00	66.80	3869	95	2.50
7/08/2018 18:00	66.80	3549	78	2.20
7/08/2018 19:00	65.90	3294	80	2.40
7/08/2018 20:00	65.50	3184	72	2.30
7/08/2018 21:00	67.10	3035	72	2.40
7/08/2018 22:00	66.40	2197	72	3.30
7/08/2018 23:00	66.60	1453	45	3.10
7/09/2018 0:00	66.50	932	30	3.20
7/09/2018 1:00	66.10	705	30	4.30
7/09/2018 2:00	66.70	630	27	4.30
7/09/2018 3:00	66.50	882	42	4.80
7/09/2018 4:00	68.00	2341	85	3.60
7/09/2018 5:00	68.30	6007	183	3.00
7/09/2018 6:00	45.40	8337	272	3.30
7/09/2018 7:00	26.30	7832	318	4.10
7/09/2018 8:00	24.60	7362	354	4.80
7/09/2018 9:00	60.50	5076	309	6.10
7/09/2018 10:00	59.40	4381	287	6.60
7/09/2018 11:00	60.60	4817	323	6.70
7/09/2018 12:00	60.90	5078	330	6.50
7/09/2018 13:00	61.50	5396	307	5.70
7/09/2018 14:00	63.00	5843	275	4.70
7/09/2018 15:00	63.60	6006	238	4.00
7/09/2018 16:00	64.70	5551	189	3.40
7/09/2018 17:00	65.40	5084	165	3.20
7/09/2018 18:00	66.00	3902	143	3.70
7/09/2018 19:00	66.20	3153	121	3.80
7/09/2018 20:00	65.40	2902	99	3.40
7/09/2018 21:00	65.70	2333	92	3.90
7/09/2018 22:00	66.90	1679	57	3.40
7/09/2018 23:00	66.30	1202	49	4.10
7/10/2018 0:00	65.70	788	48	6.10
7/10/2018 1:00	65.80	543	39	7.20
7/10/2018 2:00	66.70	558	32	5.70
7/10/2018 3:00	67.30	846	45	5.30
7/10/2018 4:00	68.10	2280	111	4.90
7/10/2018 5:00	69.70	6343	211	3.30
7/10/2018 6:00	38.50	8318	339	4.10
7/10/2018 7:00	27.60	8024	421	5.20
7/10/2018 8:00	25.50	7184	360	5.00
7/10/2018 9:00	59.10	6131	348	5.70
7/10/2018 10:00	61.40	5020	324	6.50
7/10/2018 11:00	61.70	4872	323	6.60
7/10/2018 12:00	62.10	5191	316	6.10
7/10/2018 13:00	62.00	5539	318	5.70
7/10/2018 14:00	63.20	6156	280	4.50
7/10/2018 15:00	64.20	6023	223	3.70
7/10/2018 16:00	65.20	5581	199	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/10/2018 17:00	66.80	5028	161	3.20
7/10/2018 18:00	67.00	3981	141	3.50
7/10/2018 19:00	66.60	3306	126	3.80
7/10/2018 20:00	65.90	2965	103	3.50
7/10/2018 21:00	66.60	2614	97	3.70
7/10/2018 22:00	67.30	1934	66	3.40
7/10/2018 23:00	67.60	1398	48	3.40
7/11/2018 0:00	66.50	834	45	5.40
7/11/2018 1:00	66.60	553	38	6.90
7/11/2018 2:00	66.70	538	34	6.30
7/11/2018 3:00	67.40	773	39	5.00
7/11/2018 4:00	68.30	2118	93	4.40
7/11/2018 5:00	69.70	6153	179	2.90
7/11/2018 6:00	36.50	7647	305	4.00
7/11/2018 7:00	27.50	6799	439	6.50
7/11/2018 8:00	34.50	6860	422	6.20
7/11/2018 9:00	56.40	5680	413	7.30
7/11/2018 10:00	61.60	4687	289	6.20
7/11/2018 11:00	62.30	4779	284	5.90
7/11/2018 12:00	62.30	5007	317	6.30
7/11/2018 13:00	62.10	5603	327	5.80
7/11/2018 14:00	63.80	5936	263	4.40
7/11/2018 15:00	65.00	5929	192	3.20
7/11/2018 16:00	65.50	5295	194	3.70
7/11/2018 17:00	66.80	4494	168	3.70
7/11/2018 18:00	67.20	3591	151	4.20
7/11/2018 19:00	66.80	3227	109	3.40
7/11/2018 20:00	65.50	2869	112	3.90
7/11/2018 21:00	67.10	2606	103	4.00
7/11/2018 22:00	67.50	1932	66	3.40
7/11/2018 23:00	67.60	1374	56	4.10
7/12/2018 0:00	67.00	875	44	5.00
7/12/2018 1:00	66.30	589	31	5.30
7/12/2018 2:00	66.70	552	34	6.20
7/12/2018 3:00	67.20	841	53	6.30
7/12/2018 4:00	68.10	2206	91	4.10
7/12/2018 5:00	69.10	6246	190	3.00
7/12/2018 6:00	37.00	8071	312	3.90
7/12/2018 7:00	26.10	7847	436	5.60
7/12/2018 8:00	39.50	7138	418	5.90
7/12/2018 9:00	60.10	5886	321	5.50
7/12/2018 10:00	60.50	4999	318	6.40
7/12/2018 11:00	60.60	5108	334	6.50
7/12/2018 12:00	60.70	5393	321	6.00
7/12/2018 13:00	61.20	5612	284	5.10
7/12/2018 14:00	62.10	6120	264	4.30
7/12/2018 15:00	63.30	6118	206	3.40
7/12/2018 16:00	64.10	5486	191	3.50
7/12/2018 17:00	65.30	5011	148	3.00
7/12/2018 18:00	65.80	3971	143	3.60
7/12/2018 19:00	65.90	3420	115	3.40
7/12/2018 20:00	64.50	3001	116	3.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/12/2018 21:00	66.50	2651	98	3.70
7/12/2018 22:00	67.20	2032	65	3.20
7/12/2018 23:00	67.20	1457	57	3.90
7/13/2018 0:00	66.70	1020	62	6.10
7/13/2018 1:00	64.60	671	54	8.00
7/13/2018 2:00	66.30	648	43	6.60
7/13/2018 3:00	66.50	886	67	7.60
7/13/2018 4:00	68.50	2240	109	4.90
7/13/2018 5:00	69.30	5951	200	3.40
7/13/2018 6:00	61.70	8516	313	3.70
7/13/2018 7:00	36.20	8064	392	4.90
7/13/2018 8:00	27.80	7384	294	4.00
7/13/2018 9:00	60.00	6657	340	5.10
7/13/2018 10:00	61.70	5599	330	5.90
7/13/2018 11:00	60.90	5470	363	6.60
7/13/2018 12:00	61.70	5921	355	6.00
7/13/2018 13:00	62.00	6219	316	5.10
7/13/2018 14:00	62.80	6180	255	4.10
7/13/2018 15:00	64.10	5927	221	3.70
7/13/2018 16:00	65.60	5221	179	3.40
7/13/2018 17:00	65.40	4787	173	3.60
7/13/2018 18:00	66.20	3998	140	3.50
7/13/2018 19:00	66.80	3621	121	3.30
7/13/2018 20:00	65.60	3231	109	3.40
7/13/2018 21:00	66.40	2916	102	3.50
7/13/2018 22:00	67.40	2463	60	2.40
7/13/2018 23:00	67.80	2145	57	2.70
7/14/2018 0:00	66.80	1278	48	3.80
7/14/2018 1:00	65.90	880	40	4.50
7/14/2018 2:00	66.90	773	30	3.90
7/14/2018 3:00	66.40	660	36	5.50
7/14/2018 4:00	67.10	1123	46	4.10
7/14/2018 5:00	66.40	1935	93	4.80
7/14/2018 6:00	65.10	3106	121	3.90
7/14/2018 7:00	65.00	3831	153	4.00
7/14/2018 8:00	64.90	4276	155	3.60
7/14/2018 9:00	64.40	4292	155	3.60
7/14/2018 10:00	64.20	4490	180	4.00
7/14/2018 11:00	63.90	4788	182	3.80
7/14/2018 12:00	64.50	4879	174	3.60
7/14/2018 13:00	65.20	5138	169	3.30
7/14/2018 14:00	65.10	5029	154	3.10
7/14/2018 15:00	65.90	4972	132	2.70
7/14/2018 16:00	66.10	4589	117	2.50
7/14/2018 17:00	66.20	4284	102	2.40
7/14/2018 18:00	67.30	3958	84	2.10
7/14/2018 19:00	67.10	3518	85	2.40
7/14/2018 20:00	66.70	3312	55	1.70
7/14/2018 21:00	66.90	3416	73	2.10
7/14/2018 22:00	67.10	3207	65	2.00
7/14/2018 23:00	67.10	2421	50	2.10
7/15/2018 0:00	67.10	1568	29	1.80



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/15/2018 1:00	66.90	1081	22	2.00
7/15/2018 2:00	66.90	877	13	1.50
7/15/2018 3:00	66.10	630	19	3.00
7/15/2018 4:00	66.90	725	14	1.90
7/15/2018 5:00	66.90	1176	41	3.50
7/15/2018 6:00	67.70	1722	45	2.60
7/15/2018 7:00	68.10	2395	58	2.40
7/15/2018 8:00	66.80	2863	82	2.90
7/15/2018 9:00	66.10	3264	93	2.80
7/15/2018 10:00	65.90	3927	113	2.90
7/15/2018 11:00	65.40	4138	129	3.10
7/15/2018 12:00	65.70	4587	133	2.90
7/15/2018 13:00	65.70	4796	139	2.90
7/15/2018 14:00	66.30	4664	125	2.70
7/15/2018 15:00	66.50	4595	108	2.40
7/15/2018 16:00	66.50	4444	110	2.50
7/15/2018 17:00	66.70	4078	88	2.20
7/15/2018 18:00	66.90	3698	88	2.40
7/15/2018 19:00	66.20	3457	77	2.20
7/15/2018 20:00	65.30	3186	72	2.30
7/15/2018 21:00	67.50	2822	65	2.30
7/15/2018 22:00	67.10	2036	47	2.30
7/15/2018 23:00	67.10	1439	43	3.00
7/16/2018 0:00	67.00	959	31	3.20
7/16/2018 1:00	66.50	713	32	4.50
7/16/2018 2:00	66.80	680	32	4.70
7/16/2018 3:00	66.70	935	52	5.60
7/16/2018 4:00	68.10	2347	77	3.30
7/16/2018 5:00	68.40	6311	187	3.00
7/16/2018 6:00	40.50	8329	327	3.90
7/16/2018 7:00	26.40	7834	352	4.50
7/16/2018 8:00	31.60	7104	344	4.80
7/16/2018 9:00	56.10	5665	348	6.10
7/16/2018 10:00	57.90	4662	348	7.50
7/16/2018 11:00	60.90	4764	320	6.70
7/16/2018 12:00	61.20	5021	323	6.40
7/16/2018 13:00	61.80	5386	292	5.40
7/16/2018 14:00	63.10	5782	272	4.70
7/16/2018 15:00	63.70	5951	237	4.00
7/16/2018 16:00	65.00	5517	173	3.10
7/16/2018 17:00	65.60	5063	158	3.10
7/16/2018 18:00	66.30	3883	141	3.60
7/16/2018 19:00	66.60	3139	115	3.70
7/16/2018 20:00	65.70	2880	97	3.40
7/16/2018 21:00	65.80	2304	98	4.30
7/16/2018 22:00	66.80	1711	58	3.40
7/16/2018 23:00	66.30	1203	50	4.20
7/17/2018 0:00	65.80	777	41	5.30
7/17/2018 1:00	66.00	553	37	6.70
7/17/2018 2:00	66.70	556	34	6.10
7/17/2018 3:00	67.30	836	43	5.10
7/17/2018 4:00	68.30	2230	100	4.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/17/2018 5:00	69.60	6296	196	3.10
7/17/2018 6:00	38.70	8364	350	4.20
7/17/2018 7:00	28.00	8028	433	5.40
7/17/2018 8:00	25.90	7076	391	5.50
7/17/2018 9:00	59.90	6020	341	5.70
7/17/2018 10:00	61.30	5034	324	6.40
7/17/2018 11:00	61.60	4879	325	6.70
7/17/2018 12:00	62.10	5172	315	6.10
7/17/2018 13:00	61.80	5530	324	5.90
7/17/2018 14:00	63.20	6171	273	4.40
7/17/2018 15:00	64.10	6021	236	3.90
7/17/2018 16:00	65.00	5542	206	3.70
7/17/2018 17:00	66.70	5024	157	3.10
7/17/2018 18:00	66.70	3929	149	3.80
7/17/2018 19:00	66.50	3245	121	3.70
7/17/2018 20:00	65.70	3004	104	3.50
7/17/2018 21:00	66.50	2555	91	3.60
7/17/2018 22:00	67.10	1938	67	3.50
7/17/2018 23:00	67.60	1350	47	3.50
7/18/2018 0:00	65.80	714	39	5.50
7/18/2018 1:00	65.10	532	36	6.80
7/18/2018 2:00	66.20	456	34	7.50
7/18/2018 3:00	66.50	723	43	5.90
7/18/2018 4:00	68.50	1950	71	3.60
7/18/2018 5:00	66.70	5691	156	2.70
7/18/2018 6:00	52.30	7780	243	3.10
7/18/2018 7:00	25.10	7635	415	5.40
7/18/2018 8:00	26.20	7593	404	5.30
7/18/2018 9:00	28.60	7029	453	6.40
7/18/2018 10:00	58.50	5169	322	6.20
7/18/2018 11:00	58.80	4968	331	6.70
7/18/2018 12:00	59.30	5134	314	6.10
7/18/2018 13:00	59.40	5542	298	5.40
7/18/2018 14:00	60.90	6042	273	4.50
7/18/2018 15:00	61.90	6108	229	3.70
7/18/2018 16:00	63.00	5441	172	3.20
7/18/2018 17:00	64.10	5109	156	3.10
7/18/2018 18:00	63.60	3989	160	4.00
7/18/2018 19:00	63.80	3303	134	4.10
7/18/2018 20:00	64.10	3016	106	3.50
7/18/2018 21:00	66.10	2765	98	3.50
7/18/2018 22:00	66.80	1923	74	3.80
7/18/2018 23:00	66.30	1280	51	4.00
7/19/2018 0:00	66.10	849	38	4.50
7/19/2018 1:00	65.30	577	49	8.50
7/19/2018 2:00	65.80	575	50	8.70
7/19/2018 3:00	66.40	883	61	6.90
7/19/2018 4:00	69.60	2337	99	4.20
7/19/2018 5:00	69.90	6293	183	2.90
7/19/2018 6:00	43.50	8399	391	4.70
7/19/2018 7:00	26.80	7902	421	5.30
7/19/2018 8:00	24.50	7218	425	5.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/19/2018 9:00	58.10	6071	344	5.70
7/19/2018 10:00	62.20	4954	313	6.30
7/19/2018 11:00	62.00	4854	316	6.50
7/19/2018 12:00	62.00	5263	327	6.20
7/19/2018 13:00	62.40	5468	300	5.50
7/19/2018 14:00	53.50	5843	307	5.30
7/19/2018 15:00	64.30	6148	236	3.80
7/19/2018 16:00	65.80	5264	175	3.30
7/19/2018 17:00	67.10	4616	139	3.00
7/19/2018 18:00	64.80	3882	150	3.90
7/19/2018 19:00	66.20	3618	135	3.70
7/19/2018 20:00	66.80	3401	114	3.40
7/19/2018 21:00	67.50	2723	93	3.40
7/19/2018 22:00	67.30	2039	70	3.40
7/19/2018 23:00	68.50	1617	47	2.90
7/20/2018 0:00	67.50	1358	43	3.20
7/20/2018 1:00	65.90	662	35	5.30
7/20/2018 2:00	67.00	592	33	5.60
7/20/2018 3:00	68.80	763	27	3.50
7/20/2018 4:00	65.60	2000	73	3.70
7/20/2018 5:00	69.20	5851	174	3.00
7/20/2018 6:00	44.00	8212	279	3.40
7/20/2018 7:00	26.50	7952	469	5.90
7/20/2018 8:00	52.00	6930	361	5.20
7/20/2018 9:00	60.80	5703	328	5.80
7/20/2018 10:00	60.80	5264	336	6.40
7/20/2018 11:00	61.30	5340	323	6.00
7/20/2018 12:00	62.00	5582	314	5.60
7/20/2018 13:00	61.60	6373	328	5.10
7/20/2018 14:00	63.60	6012	246	4.10
7/20/2018 15:00	64.20	5971	201	3.40
7/20/2018 16:00	65.40	5213	176	3.40
7/20/2018 17:00	66.20	4621	154	3.30
7/20/2018 18:00	66.10	3962	149	3.80
7/20/2018 19:00	67.50	3564	99	2.80
7/20/2018 20:00	66.10	3227	118	3.70
7/20/2018 21:00	66.70	2960	96	3.20
7/20/2018 22:00	66.80	2475	70	2.80
7/20/2018 23:00	68.30	2243	45	2.00
7/21/2018 0:00	66.50	1373	51	3.70
7/21/2018 1:00	66.90	904	28	3.10
7/21/2018 2:00	66.60	784	38	4.80
7/21/2018 3:00	66.90	738	31	4.20
7/21/2018 4:00	67.30	1085	49	4.50
7/21/2018 5:00	67.60	1943	70	3.60
7/21/2018 6:00	65.90	2944	107	3.60
7/21/2018 7:00	65.50	3719	125	3.40
7/21/2018 8:00	65.20	4106	148	3.60
7/21/2018 9:00	65.00	4346	160	3.70
7/21/2018 10:00	64.00	4510	191	4.20
7/21/2018 11:00	64.40	4691	187	4.00
7/21/2018 12:00	64.80	4953	158	3.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/21/2018 13:00	65.70	4874	154	3.20
7/21/2018 14:00	65.50	4930	135	2.70
7/21/2018 15:00	65.80	4798	124	2.60
7/21/2018 16:00	66.20	4543	111	2.40
7/21/2018 17:00	67.00	4280	118	2.80
7/21/2018 18:00	67.20	4099	98	2.40
7/21/2018 19:00	67.40	3678	75	2.00
7/21/2018 20:00	66.30	3554	83	2.30
7/21/2018 21:00	66.90	3320	73	2.20
7/21/2018 22:00	67.30	2817	57	2.00
7/21/2018 23:00	67.90	2540	55	2.20
7/22/2018 0:00	67.70	1767	29	1.60
7/22/2018 1:00	66.80	1105	22	2.00
7/22/2018 2:00	66.70	732	16	2.20
7/22/2018 3:00	66.50	645	18	2.80
7/22/2018 4:00	67.50	658	16	2.40
7/22/2018 5:00	67.40	1138	37	3.30
7/22/2018 6:00	67.80	1733	40	2.30
7/22/2018 7:00	66.80	2360	69	2.90
7/22/2018 8:00	66.50	2827	66	2.30
7/22/2018 9:00	66.00	3243	87	2.70
7/22/2018 10:00	65.40	3628	99	2.70
7/22/2018 11:00	64.90	4106	120	2.90
7/22/2018 12:00	65.00	4579	134	2.90
7/22/2018 13:00	65.20	4784	127	2.70
7/22/2018 14:00	65.40	4792	123	2.60
7/22/2018 15:00	65.50	4958	128	2.60
7/22/2018 16:00	66.10	4559	120	2.60
7/22/2018 17:00	66.50	4694	95	2.00
7/22/2018 18:00	65.90	4299	90	2.10
7/22/2018 19:00	65.40	3926	101	2.60
7/22/2018 20:00	64.70	3782	87	2.30
7/22/2018 21:00	67.10	2993	84	2.80
7/22/2018 22:00	67.70	2151	53	2.50
7/22/2018 23:00	67.80	1691	56	3.30
7/23/2018 0:00	66.70	978	34	3.50
7/23/2018 1:00	66.80	767	32	4.20
7/23/2018 2:00	67.60	738	30	4.10
7/23/2018 3:00	66.40	1094	63	5.80
7/23/2018 4:00	69.00	2392	89	3.70
7/23/2018 5:00	69.20	6174	175	2.80
7/23/2018 6:00	47.80	8397	300	3.60
7/23/2018 7:00	26.90	7564	429	5.70
7/23/2018 8:00	23.80	7142	420	5.90
7/23/2018 9:00	53.90	6469	327	5.10
7/23/2018 10:00	62.80	4977	334	6.70
7/23/2018 11:00	62.10	5058	319	6.30
7/23/2018 12:00	61.90	5161	319	6.20
7/23/2018 13:00	56.30	5301	265	5.00
7/23/2018 14:00	62.80	6030	296	4.90
7/23/2018 15:00	64.30	5937	206	3.50
7/23/2018 16:00	66.00	5102	186	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/23/2018 17:00	66.90	4698	140	3.00
7/23/2018 18:00	66.70	3752	153	4.10
7/23/2018 19:00	66.10	3073	121	3.90
7/23/2018 20:00	66.00	2711	111	4.10
7/23/2018 21:00	68.10	2338	89	3.80
7/23/2018 22:00	67.20	1594	71	4.50
7/23/2018 23:00	68.20	1157	41	3.50
7/24/2018 0:00	67.20	794	36	4.50
7/24/2018 1:00	66.70	605	38	6.30
7/24/2018 2:00	66.60	587	46	7.80
7/24/2018 3:00	66.90	844	51	6.00
7/24/2018 4:00	69.50	2371	100	4.20
7/24/2018 5:00	53.20	6278	182	2.90
7/24/2018 6:00	26.80	7993	329	4.10
7/24/2018 7:00	26.20	7815	460	5.90
7/24/2018 8:00	23.30	6957	402	5.80
7/24/2018 9:00	38.00	6491	305	4.70
7/24/2018 10:00	62.10	4866	316	6.50
7/24/2018 11:00	61.30	4911	351	7.10
7/24/2018 12:00	62.10	5060	315	6.20
7/24/2018 13:00	62.00	5662	305	5.40
7/24/2018 14:00	63.60	5853	253	4.30
7/24/2018 15:00	64.10	5904	199	3.40
7/24/2018 16:00	64.90	5654	161	2.80
7/24/2018 17:00	66.70	5357	171	3.20
7/24/2018 18:00	67.10	3953	141	3.60
7/24/2018 19:00	67.60	3244	114	3.50
7/24/2018 20:00	65.70	3003	129	4.30
7/24/2018 21:00	66.00	2580	110	4.30
7/24/2018 22:00	67.30	1887	76	4.00
7/24/2018 23:00	67.50	1647	50	3.00
7/25/2018 0:00	66.70	1038	51	4.90
7/25/2018 1:00	65.50	570	35	6.10
7/25/2018 2:00	65.80	506	35	6.90
7/25/2018 3:00	66.30	842	59	7.00
7/25/2018 4:00	67.30	2324	94	4.00
7/25/2018 5:00	66.20	6261	159	2.50
7/25/2018 6:00	38.30	8289	303	3.70
7/25/2018 7:00	24.10	7667	420	5.50
7/25/2018 8:00	24.80	7549	377	5.00
7/25/2018 9:00	43.90	6572	329	5.00
7/25/2018 10:00	59.20	4905	318	6.50
7/25/2018 11:00	59.80	4798	266	5.50
7/25/2018 12:00	59.80	5191	303	5.80
7/25/2018 13:00	59.40	5491	313	5.70
7/25/2018 14:00	60.40	5886	265	4.50
7/25/2018 15:00	61.50	5936	225	3.80
7/25/2018 16:00	63.00	5579	175	3.10
7/25/2018 17:00	63.50	5156	158	3.10
7/25/2018 18:00	57.00	4286	181	4.20
7/25/2018 19:00	63.30	3208	111	3.50
7/25/2018 20:00	63.40	2927	122	4.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/25/2018 21:00	65.70	2552	99	3.90
7/25/2018 22:00	66.50	1924	71	3.70
7/25/2018 23:00	67.10	1641	46	2.80
7/26/2018 0:00	66.30	923	39	4.20
7/26/2018 1:00	64.30	666	57	8.60
7/26/2018 2:00	66.50	528	31	5.90
7/26/2018 3:00	67.30	833	40	4.80
7/26/2018 4:00	69.20	2425	90	3.70
7/26/2018 5:00	68.90	6164	188	3.00
7/26/2018 6:00	33.00	8016	346	4.30
7/26/2018 7:00	25.60	7738	441	5.70
7/26/2018 8:00	24.60	7372	418	5.70
7/26/2018 9:00	51.30	6193	353	5.70
7/26/2018 10:00	62.90	4964	293	5.90
7/26/2018 11:00	62.10	4972	299	6.00
7/26/2018 12:00	62.20	5228	342	6.50
7/26/2018 13:00	62.70	5625	302	5.40
7/26/2018 14:00	53.00	6207	257	4.10
7/26/2018 15:00	62.30	6001	188	3.10
7/26/2018 16:00	66.20	5317	166	3.10
7/26/2018 17:00	67.00	4971	167	3.40
7/26/2018 18:00	66.90	3899	140	3.60
7/26/2018 19:00	66.90	3474	129	3.70
7/26/2018 20:00	65.80	3103	125	4.00
7/26/2018 21:00	67.00	2607	108	4.10
7/26/2018 22:00	66.70	1999	76	3.80
7/26/2018 23:00	65.60	1328	45	3.40
7/27/2018 0:00	65.70	862	40	4.60
7/27/2018 1:00	65.80	667	45	6.70
7/27/2018 2:00	66.70	621	33	5.30
7/27/2018 3:00	67.00	912	59	6.50
7/27/2018 4:00	70.20	2286	91	4.00
7/27/2018 5:00	69.00	5903	196	3.30
7/27/2018 6:00	36.90	7888	325	4.10
7/27/2018 7:00	26.20	7861	472	6.00
7/27/2018 8:00	41.80	7070	373	5.30
7/27/2018 9:00	61.50	5893	335	5.70
7/27/2018 10:00	61.00	5114	325	6.40
7/27/2018 11:00	61.70	5444	331	6.10
7/27/2018 12:00	56.80	5893	378	6.40
7/27/2018 13:00	39.10	5816	295	5.10
7/27/2018 14:00	62.80	6180	257	4.20
7/27/2018 15:00	63.70	5852	214	3.70
7/27/2018 16:00	64.80	5176	193	3.70
7/27/2018 17:00	66.20	4916	150	3.10
7/27/2018 18:00	66.80	4090	138	3.40
7/27/2018 19:00	66.60	3695	124	3.40
7/27/2018 20:00	66.20	3250	108	3.30
7/27/2018 21:00	67.20	2959	92	3.10
7/27/2018 22:00	67.50	2537	69	2.70
7/27/2018 23:00	66.80	1688	47	2.80
7/28/2018 0:00	67.10	1189	31	2.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/28/2018 1:00	66.50	855	33	3.90
7/28/2018 2:00	66.20	736	31	4.20
7/28/2018 3:00	66.80	679	37	5.40
7/28/2018 4:00	67.40	1173	46	3.90
7/28/2018 5:00	67.40	1930	82	4.20
7/28/2018 6:00	64.40	2750	114	4.10
7/28/2018 7:00	65.60	3559	133	3.70
7/28/2018 8:00	65.50	3997	137	3.40
7/28/2018 9:00	64.40	4220	173	4.10
7/28/2018 10:00	64.30	4483	182	4.10
7/28/2018 11:00	64.50	4790	180	3.80
7/28/2018 12:00	64.00	5195	185	3.60
7/28/2018 13:00	64.90	5115	179	3.50
7/28/2018 14:00	66.00	4944	134	2.70
7/28/2018 15:00	65.90	5057	138	2.70
7/28/2018 16:00	66.20	4739	135	2.80
7/28/2018 17:00	66.60	4345	118	2.70
7/28/2018 18:00	67.30	3818	97	2.50
7/28/2018 19:00	66.90	3516	85	2.40
7/28/2018 20:00	66.40	3445	76	2.20
7/28/2018 21:00	67.20	3538	74	2.10
7/28/2018 22:00	67.30	2822	66	2.30
7/28/2018 23:00	67.20	2112	55	2.60
7/29/2018 0:00	67.70	1433	25	1.70
7/29/2018 1:00	67.70	1064	15	1.40
7/29/2018 2:00	67.10	870	14	1.60
7/29/2018 3:00	67.00	682	8	1.20
7/29/2018 4:00	66.90	728	20	2.70
7/29/2018 5:00	66.70	1069	30	2.80
7/29/2018 6:00	66.90	1501	42	2.80
7/29/2018 7:00	66.50	2290	61	2.70
7/29/2018 8:00	65.80	2702	77	2.80
7/29/2018 9:00	66.20	3295	100	3.00
7/29/2018 10:00	65.50	3704	122	3.30
7/29/2018 11:00	65.20	4324	140	3.20
7/29/2018 12:00	65.10	4811	134	2.80
7/29/2018 13:00	64.70	4877	142	2.90
7/29/2018 14:00	65.70	4839	129	2.70
7/29/2018 15:00	65.70	4615	111	2.40
7/29/2018 16:00	65.60	4474	101	2.30
7/29/2018 17:00	65.80	4674	128	2.70
7/29/2018 18:00	66.40	3971	96	2.40
7/29/2018 19:00	65.90	3672	84	2.30
7/29/2018 20:00	64.90	3484	90	2.60
7/29/2018 21:00	67.70	2927	64	2.20
7/29/2018 22:00	68.80	2405	50	2.10
7/29/2018 23:00	68.80	1772	48	2.70
7/30/2018 0:00	67.60	1231	46	3.70
7/30/2018 1:00	67.20	820	29	3.50
7/30/2018 2:00	67.00	774	40	5.20
7/30/2018 3:00	67.50	1103	51	4.60
7/30/2018 4:00	68.40	2508	102	4.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/30/2018 5:00	69.40	6031	177	2.90
7/30/2018 6:00	38.80	7983	272	3.40
7/30/2018 7:00	26.10	7879	359	4.60
7/30/2018 8:00	26.10	7524	408	5.40
7/30/2018 9:00	55.20	6133	440	7.20
7/30/2018 10:00	61.90	4949	332	6.70
7/30/2018 11:00	62.30	5074	298	5.90
7/30/2018 12:00	62.10	5030	320	6.40
7/30/2018 13:00	63.20	5485	320	5.80
7/30/2018 14:00	64.10	5801	278	4.80
7/30/2018 15:00	64.80	6073	248	4.10
7/30/2018 16:00	66.90	5429	173	3.20
7/30/2018 17:00	67.00	5098	162	3.20
7/30/2018 18:00	67.70	3871	147	3.80
7/30/2018 19:00	66.20	3162	130	4.10
7/30/2018 20:00	66.30	2877	113	3.90
7/30/2018 21:00	67.80	2558	95	3.70
7/30/2018 22:00	69.20	1942	63	3.20
7/30/2018 23:00	68.80	1564	58	3.70
7/31/2018 0:00	68.10	934	40	4.30
7/31/2018 1:00	65.70	579	46	7.90
7/31/2018 2:00	67.00	587	34	5.80
7/31/2018 3:00	68.50	885	50	5.60
7/31/2018 4:00	69.80	2425	113	4.70
7/31/2018 5:00	78.90	6114	214	3.50
7/31/2018 6:00	36.50	8203	353	4.30
7/31/2018 7:00	26.50	7923	367	4.60
7/31/2018 8:00	22.60	6969	329	4.70
7/31/2018 9:00	32.00	6306	385	6.10
7/31/2018 10:00	61.80	5003	323	6.50
7/31/2018 11:00	61.80	5077	340	6.70
7/31/2018 12:00	62.10	5202	333	6.40
7/31/2018 13:00	62.90	5309	308	5.80
7/31/2018 14:00	63.70	6057	262	4.30
7/31/2018 15:00	65.50	6010	207	3.40
7/31/2018 16:00	65.90	5633	191	3.40
7/31/2018 17:00	66.90	5256	163	3.10
7/31/2018 18:00	67.00	4013	157	3.90
7/31/2018 19:00	65.90	3315	127	3.80
7/31/2018 20:00	64.60	3078	138	4.50
7/31/2018 21:00	67.60	2505	108	4.30
7/31/2018 22:00	68.50	1817	66	3.60
7/31/2018 23:00	69.00	1566	49	3.10
8/01/2018 0:00	66.30	842	46	5.50
8/01/2018 1:00	65.90	586	48	8.20
8/01/2018 2:00	66.90	530	34	6.40
8/01/2018 3:00	66.50	869	65	7.50
8/01/2018 4:00	68.00	2350	97	4.10
8/01/2018 5:00	68.30	6267	200	3.20
8/01/2018 6:00	44.60	8528	368	4.30
8/01/2018 7:00	24.90	7540	498	6.60
8/01/2018 8:00	24.30	7118	365	5.10



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/01/2018 9:00	54.30	6337	400	6.30
8/01/2018 10:00	63.30	5273	319	6.00
8/01/2018 11:00	62.30	4833	313	6.50
8/01/2018 12:00	62.90	5111	335	6.60
8/01/2018 13:00	63.60	5441	302	5.60
8/01/2018 14:00	65.10	6055	248	4.10
8/01/2018 15:00	65.40	6053	223	3.70
8/01/2018 16:00	66.50	5475	183	3.30
8/01/2018 17:00	67.50	5242	162	3.10
8/01/2018 18:00	66.90	4033	157	3.90
8/01/2018 19:00	67.50	3312	114	3.40
8/01/2018 20:00	66.30	3093	131	4.20
8/01/2018 21:00	66.40	2682	122	4.50
8/01/2018 22:00	68.00	1932	62	3.20
8/01/2018 23:00	69.10	1709	46	2.70
8/02/2018 0:00	66.60	1041	49	4.70
8/02/2018 1:00	66.90	630	33	5.20
8/02/2018 2:00	66.90	549	39	7.10
8/02/2018 3:00	68.20	933	46	4.90
8/02/2018 4:00	68.30	2417	105	4.30
8/02/2018 5:00	69.80	6090	166	2.70
8/02/2018 6:00	39.50	8443	342	4.10
8/02/2018 7:00	25.70	7726	412	5.30
8/02/2018 8:00	25.30	7473	342	4.60
8/02/2018 9:00	50.40	6245	318	5.10
8/02/2018 10:00	62.70	5113	303	5.90
8/02/2018 11:00	62.40	5074	299	5.90
8/02/2018 12:00	62.50	5367	318	5.90
8/02/2018 13:00	62.40	5525	328	5.90
8/02/2018 14:00	63.70	6036	265	4.40
8/02/2018 15:00	64.70	6038	226	3.70
8/02/2018 16:00	66.20	5521	200	3.60
8/02/2018 17:00	67.30	5199	170	3.30
8/02/2018 18:00	67.00	4076	155	3.80
8/02/2018 19:00	66.70	3264	113	3.50
8/02/2018 20:00	65.50	3153	136	4.30
8/02/2018 21:00	65.90	2668	96	3.60
8/02/2018 22:00	66.70	1937	76	3.90
8/02/2018 23:00	66.40	1320	49	3.70
8/03/2018 0:00	66.00	877	35	4.00
8/03/2018 1:00	65.70	638	43	6.70
8/03/2018 2:00	65.90	575	38	6.60
8/03/2018 3:00	66.80	936	63	6.70
8/03/2018 4:00	68.50	2410	117	4.90
8/03/2018 5:00	70.10	5890	188	3.20
8/03/2018 6:00	36.70	7751	379	4.90
8/03/2018 7:00	26.90	7858	565	7.20
8/03/2018 8:00	45.60	6936	323	4.70
8/03/2018 9:00	61.80	6080	342	5.60
8/03/2018 10:00	62.00	5339	321	6.00
8/03/2018 11:00	61.60	5539	340	6.10
8/03/2018 12:00	62.30	6121	323	5.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/03/2018 13:00	62.50	6206	296	4.80
8/03/2018 14:00	63.20	6176	282	4.60
8/03/2018 15:00	64.60	5866	242	4.10
8/03/2018 16:00	66.20	5185	156	3.00
8/03/2018 17:00	65.80	4660	162	3.50
8/03/2018 18:00	67.30	4057	141	3.50
8/03/2018 19:00	67.40	3627	116	3.20
8/03/2018 20:00	66.00	3233	107	3.30
8/03/2018 21:00	67.40	2775	79	2.80
8/03/2018 22:00	67.70	2361	70	3.00
8/03/2018 23:00	67.70	2337	66	2.80
8/04/2018 0:00	67.30	1535	49	3.20
8/04/2018 1:00	65.50	913	43	4.70
8/04/2018 2:00	66.60	761	41	5.40
8/04/2018 3:00	67.30	613	23	3.80
8/04/2018 4:00	67.80	1159	42	3.60
8/04/2018 5:00	67.20	1857	83	4.50
8/04/2018 6:00	65.30	2670	98	3.70
8/04/2018 7:00	65.30	3678	150	4.10
8/04/2018 8:00	65.30	4167	157	3.80
8/04/2018 9:00	63.80	4471	178	4.00
8/04/2018 10:00	64.90	4649	163	3.50
8/04/2018 11:00	64.50	4980	194	3.90
8/04/2018 12:00	64.70	5043	189	3.70
8/04/2018 13:00	64.70	5129	168	3.30
8/04/2018 14:00	66.20	4968	149	3.00
8/04/2018 15:00	65.90	4807	135	2.80
8/04/2018 16:00	66.30	4419	113	2.60
8/04/2018 17:00	66.40	4226	105	2.50
8/04/2018 18:00	67.20	3890	89	2.30
8/04/2018 19:00	66.80	3609	90	2.50
8/04/2018 20:00	65.90	3508	77	2.20
8/04/2018 21:00	67.10	3111	67	2.20
8/04/2018 22:00	67.70	2908	65	2.20
8/04/2018 23:00	66.90	2571	63	2.50
8/05/2018 0:00	67.30	1432	27	1.90
8/05/2018 1:00	67.40	1024	19	1.90
8/05/2018 2:00	67.00	824	18	2.20
8/05/2018 3:00	67.20	694	14	2.00
8/05/2018 4:00	67.30	777	18	2.30
8/05/2018 5:00	67.30	1099	31	2.80
8/05/2018 6:00	67.20	1673	48	2.90
8/05/2018 7:00	67.10	2248	67	3.00
8/05/2018 8:00	66.80	2703	77	2.80
8/05/2018 9:00	66.20	3237	91	2.80
8/05/2018 10:00	66.00	3768	98	2.60
8/05/2018 11:00	65.10	4032	118	2.90
8/05/2018 12:00	65.70	4672	123	2.60
8/05/2018 13:00	65.70	4836	112	2.30
8/05/2018 14:00	65.30	4662	123	2.60
8/05/2018 15:00	66.10	4477	101	2.30
8/05/2018 16:00	66.50	4323	90	2.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/05/2018 17:00	66.80	4350	103	2.40
8/05/2018 18:00	66.50	3708	93	2.50
8/05/2018 19:00	66.30	3494	85	2.40
8/05/2018 20:00	64.90	3335	88	2.60
8/05/2018 21:00	67.10	2707	72	2.70
8/05/2018 22:00	67.10	1966	54	2.70
8/05/2018 23:00	67.50	1388	48	3.50
8/06/2018 0:00	67.10	973	34	3.50
8/06/2018 1:00	67.20	674	22	3.30
8/06/2018 2:00	67.20	831	38	4.60
8/06/2018 3:00	67.80	1071	49	4.60
8/06/2018 4:00	68.60	2487	92	3.70
8/06/2018 5:00	69.20	6029	184	3.10
8/06/2018 6:00	38.10	8110	285	3.50
8/06/2018 7:00	25.10	7736	373	4.80
8/06/2018 8:00	24.80	7277	345	4.70
8/06/2018 9:00	47.60	6082	314	5.20
8/06/2018 10:00	62.00	5005	323	6.50
8/06/2018 11:00	61.80	4723	327	6.90
8/06/2018 12:00	62.50	5260	320	6.10
8/06/2018 13:00	63.20	5378	299	5.60
8/06/2018 14:00	64.20	5861	262	4.50
8/06/2018 15:00	65.20	5912	208	3.50
8/06/2018 16:00	66.10	5498	189	3.40
8/06/2018 17:00	66.80	5086	162	3.20
8/06/2018 18:00	67.30	4031	153	3.80
8/06/2018 19:00	67.20	3287	123	3.70
8/06/2018 20:00	66.80	2965	122	4.10
8/06/2018 21:00	66.60	2481	110	4.40
8/06/2018 22:00	68.00	1812	59	3.30
8/06/2018 23:00	66.90	1168	48	4.10
8/07/2018 0:00	66.70	763	39	5.10
8/07/2018 1:00	66.60	563	36	6.40
8/07/2018 2:00	66.00	579	43	7.40
8/07/2018 3:00	67.20	902	59	6.50
8/07/2018 4:00	68.80	2365	112	4.70
8/07/2018 5:00	69.90	6279	217	3.50
8/07/2018 6:00	34.60	8054	406	5.00
8/07/2018 7:00	24.10	7390	478	6.50
8/07/2018 8:00	24.60	7430	466	6.30
8/07/2018 9:00	42.70	6354	346	5.40
8/07/2018 10:00	62.40	4988	304	6.10
8/07/2018 11:00	61.80	4640	313	6.70
8/07/2018 12:00	62.30	5001	316	6.30
8/07/2018 13:00	62.70	5368	299	5.60
8/07/2018 14:00	63.50	5892	279	4.70
8/07/2018 15:00	64.40	5951	227	3.80
8/07/2018 16:00	66.50	5674	175	3.10
8/07/2018 17:00	66.20	5305	173	3.30
8/07/2018 18:00	66.60	4014	165	4.10
8/07/2018 19:00	66.10	3263	133	4.10
8/07/2018 20:00	66.30	3103	126	4.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/07/2018 21:00	67.50	2576	107	4.20
8/07/2018 22:00	68.70	1819	53	2.90
8/07/2018 23:00	67.20	1198	46	3.80
8/08/2018 0:00	67.50	926	40	4.30
8/08/2018 1:00	66.40	543	39	7.20
8/08/2018 2:00	67.00	557	28	5.00
8/08/2018 3:00	67.60	867	39	4.50
8/08/2018 4:00	67.50	2382	96	4.00
8/08/2018 5:00	68.30	6189	190	3.10
8/08/2018 6:00	37.20	8210	317	3.90
8/08/2018 7:00	26.30	7843	362	4.60
8/08/2018 8:00	24.00	7200	367	5.10
8/08/2018 9:00	37.80	6398	400	6.30
8/08/2018 10:00	63.00	4826	270	5.60
8/08/2018 11:00	63.10	4892	274	5.60
8/08/2018 12:00	63.50	5074	275	5.40
8/08/2018 13:00	63.80	5496	292	5.30
8/08/2018 14:00	63.70	5902	284	4.80
8/08/2018 15:00	65.30	5822	222	3.80
8/08/2018 16:00	66.40	5580	185	3.30
8/08/2018 17:00	66.70	5246	178	3.40
8/08/2018 18:00	68.30	4135	144	3.50
8/08/2018 19:00	68.00	3160	106	3.40
8/08/2018 20:00	66.10	3116	124	4.00
8/08/2018 21:00	67.50	2471	87	3.50
8/08/2018 22:00	67.00	1773	59	3.30
8/08/2018 23:00	67.50	1235	33	2.70
8/09/2018 0:00	67.10	875	33	3.80
8/09/2018 1:00	65.70	590	51	8.60
8/09/2018 2:00	66.60	504	31	6.20
8/09/2018 3:00	66.80	938	54	5.80
8/09/2018 4:00	67.70	2355	113	4.80
8/09/2018 5:00	69.50	6204	175	2.80
8/09/2018 6:00	40.40	8423	393	4.70
8/09/2018 7:00	25.00	7671	526	6.90
8/09/2018 8:00	23.70	7163	342	4.80
8/09/2018 9:00	49.90	6352	405	6.40
8/09/2018 10:00	62.10	5136	324	6.30
8/09/2018 11:00	61.50	5003	340	6.80
8/09/2018 12:00	62.70	5240	303	5.80
8/09/2018 13:00	63.10	5449	309	5.70
8/09/2018 14:00	64.70	6065	260	4.30
8/09/2018 15:00	65.70	5940	208	3.50
8/09/2018 16:00	66.40	5593	197	3.50
8/09/2018 17:00	67.40	5297	158	3.00
8/09/2018 18:00	67.70	4152	142	3.40
8/09/2018 19:00	67.50	3293	109	3.30
8/09/2018 20:00	65.80	3077	135	4.40
8/09/2018 21:00	67.60	2819	103	3.70
8/09/2018 22:00	68.20	2154	69	3.20
8/09/2018 23:00	67.30	1391	44	3.20
8/10/2018 0:00	66.50	842	43	5.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/10/2018 1:00	67.90	614	25	4.10
8/10/2018 2:00	68.80	562	18	3.20
8/10/2018 3:00	67.00	870	56	6.40
8/10/2018 4:00	68.30	2189	102	4.70
8/10/2018 5:00	69.20	5818	184	3.20
8/10/2018 6:00	32.70	7231	332	4.60
8/10/2018 7:00	22.10	7215	439	6.10
8/10/2018 8:00	18.80	6259	388	6.20
8/10/2018 9:00	48.90	5912	354	6.00
8/10/2018 10:00	61.80	5280	333	6.30
8/10/2018 11:00	61.90	5339	337	6.30
8/10/2018 12:00	62.90	5691	315	5.50
8/10/2018 13:00	62.70	6028	319	5.30
8/10/2018 14:00	63.00	6291	266	4.20
8/10/2018 15:00	65.10	5457	175	3.20
8/10/2018 16:00	66.20	5169	171	3.30
8/10/2018 17:00	66.60	4853	151	3.10
8/10/2018 18:00	66.80	4239	148	3.50
8/10/2018 19:00	66.80	3703	122	3.30
8/10/2018 20:00	66.90	3229	102	3.20
8/10/2018 21:00	67.50	2882	76	2.60
8/10/2018 22:00	67.10	2531	62	2.40
8/10/2018 23:00	67.20	1724	43	2.50
8/11/2018 0:00	65.70	1198	43	3.60
8/11/2018 1:00	66.60	807	27	3.30
8/11/2018 2:00	66.60	718	36	5.00
8/11/2018 3:00	66.60	690	28	4.10
8/11/2018 4:00	67.50	1128	46	4.10
8/11/2018 5:00	67.50	1910	63	3.30
8/11/2018 6:00	65.90	2985	109	3.70
8/11/2018 7:00	64.70	3693	149	4.00
8/11/2018 8:00	65.50	4273	146	3.40
8/11/2018 9:00	64.20	4363	183	4.20
8/11/2018 10:00	64.40	4479	169	3.80
8/11/2018 11:00	64.10	5091	195	3.80
8/11/2018 12:00	63.90	5167	198	3.80
8/11/2018 13:00	64.50	5171	161	3.10
8/11/2018 14:00	64.90	5011	140	2.80
8/11/2018 15:00	65.80	4900	131	2.70
8/11/2018 16:00	66.10	4729	124	2.60
8/11/2018 17:00	66.70	4193	106	2.50
8/11/2018 18:00	66.70	3905	89	2.30
8/11/2018 19:00	66.50	3436	88	2.60
8/11/2018 20:00	66.40	3521	82	2.30
8/11/2018 21:00	67.50	3413	63	1.80
8/11/2018 22:00	67.70	2922	52	1.80
8/11/2018 23:00	67.70	2410	43	1.80
8/12/2018 0:00	68.20	1710	39	2.30
8/12/2018 1:00	66.30	1012	18	1.80
8/12/2018 2:00	66.20	806	17	2.10
8/12/2018 3:00	66.60	673	16	2.40
8/12/2018 4:00	66.70	712	13	1.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/12/2018 5:00	66.90	1093	27	2.50
8/12/2018 6:00	67.20	1662	44	2.60
8/12/2018 7:00	66.80	2308	60	2.60
8/12/2018 8:00	67.30	2764	76	2.70
8/12/2018 9:00	66.60	3373	96	2.80
8/12/2018 10:00	66.50	3712	98	2.60
8/12/2018 11:00	65.20	4267	125	2.90
8/12/2018 12:00	65.70	4971	146	2.90
8/12/2018 13:00	65.90	4702	126	2.70
8/12/2018 14:00	66.30	4712	117	2.50
8/12/2018 15:00	66.40	4622	109	2.40
8/12/2018 16:00	66.50	4690	114	2.40
8/12/2018 17:00	67.10	4117	100	2.40
8/12/2018 18:00	66.70	3772	88	2.30
8/12/2018 19:00	65.80	3667	87	2.40
8/12/2018 20:00	65.40	3462	78	2.30
8/12/2018 21:00	67.60	2682	69	2.60
8/12/2018 22:00	67.80	1966	46	2.30
8/12/2018 23:00	68.30	1375	34	2.50
8/13/2018 0:00	67.70	1015	36	3.50
8/13/2018 1:00	67.30	733	22	3.00
8/13/2018 2:00	66.70	767	34	4.40
8/13/2018 3:00	66.80	1072	59	5.50
8/13/2018 4:00	68.30	2435	87	3.60
8/13/2018 5:00	69.60	5903	157	2.70
8/13/2018 6:00	50.20	8580	390	4.50
8/13/2018 7:00	27.60	7847	563	7.20
8/13/2018 8:00	25.70	7115	526	7.40
8/13/2018 9:00	59.20	5660	327	5.80
8/13/2018 10:00	62.20	4807	317	6.60
8/13/2018 11:00	62.40	4814	306	6.40
8/13/2018 12:00	61.40	5002	346	6.90
8/13/2018 13:00	63.50	5304	291	5.50
8/13/2018 14:00	63.90	5803	301	5.20
8/13/2018 15:00	64.90	5983	229	3.80
8/13/2018 16:00	66.10	5419	192	3.50
8/13/2018 17:00	66.70	4831	161	3.30
8/13/2018 18:00	67.10	3888	139	3.60
8/13/2018 19:00	66.00	3269	132	4.00
8/13/2018 20:00	67.00	2758	96	3.50
8/13/2018 21:00	67.20	2584	78	3.00
8/13/2018 22:00	67.80	2175	71	3.30
8/13/2018 23:00	67.10	1078	46	4.30
8/14/2018 0:00	66.50	825	39	4.70
8/14/2018 1:00	66.90	532	24	4.50
8/14/2018 2:00	65.70	518	47	9.10
8/14/2018 3:00	66.80	873	67	7.70
8/14/2018 4:00	68.40	2303	100	4.30
8/14/2018 5:00	70.40	6171	198	3.20
8/14/2018 6:00	37.50	7849	254	3.20
8/14/2018 7:00	25.00	7714	446	5.80
8/14/2018 8:00	23.50	7232	422	5.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/14/2018 9:00	38.00	6300	301	4.80
8/14/2018 10:00	61.20	4951	347	7.00
8/14/2018 11:00	61.80	4873	319	6.50
8/14/2018 12:00	61.70	4964	321	6.50
8/14/2018 13:00	62.60	5467	322	5.90
8/14/2018 14:00	63.80	5987	286	4.80
8/14/2018 15:00	64.40	5855	236	4.00
8/14/2018 16:00	65.60	5442	191	3.50
8/14/2018 17:00	66.40	4679	154	3.30
8/14/2018 18:00	66.80	3836	137	3.60
8/14/2018 19:00	66.10	3264	125	3.80
8/14/2018 20:00	65.60	2929	137	4.70
8/14/2018 21:00	67.90	2555	100	3.90
8/14/2018 22:00	67.80	1992	53	2.70
8/14/2018 23:00	67.40	1270	31	2.40
8/15/2018 0:00	65.80	780	46	5.90
8/15/2018 1:00	66.40	523	27	5.20
8/15/2018 2:00	66.20	522	41	7.90
8/15/2018 3:00	67.00	858	46	5.40
8/15/2018 4:00	68.80	2372	79	3.30
8/15/2018 5:00	69.30	6180	186	3.00
8/15/2018 6:00	34.80	8106	356	4.40
8/15/2018 7:00	24.70	7761	445	5.70
8/15/2018 8:00	26.30	7548	460	6.10
8/15/2018 9:00	60.70	5750	309	5.40
8/15/2018 10:00	62.60	4945	310	6.30
8/15/2018 11:00	62.80	4676	284	6.10
8/15/2018 12:00	63.00	4999	283	5.70
8/15/2018 13:00	63.10	5586	301	5.40
8/15/2018 14:00	64.20	5957	266	4.50
8/15/2018 15:00	65.50	6011	203	3.40
8/15/2018 16:00	65.90	5586	196	3.50
8/15/2018 17:00	66.80	5167	162	3.10
8/15/2018 18:00	66.50	4089	172	4.20
8/15/2018 19:00	66.60	3316	116	3.50
8/15/2018 20:00	65.70	3004	135	4.50
8/15/2018 21:00	67.50	3013	95	3.20
8/15/2018 22:00	68.50	1918	52	2.70
8/15/2018 23:00	66.40	1253	47	3.80
8/16/2018 0:00	66.70	759	28	3.70
8/16/2018 1:00	66.30	553	46	8.30
8/16/2018 2:00	66.80	532	30	5.60
8/16/2018 3:00	67.30	886	51	5.80
8/16/2018 4:00	68.40	2402	107	4.50
8/16/2018 5:00	69.50	6111	197	3.20
8/16/2018 6:00	43.30	7853	302	3.80
8/16/2018 7:00	26.10	7965	498	6.30
8/16/2018 8:00	28.30	7613	451	5.90
8/16/2018 9:00	61.70	5965	363	6.10
8/16/2018 10:00	62.20	4961	307	6.20
8/16/2018 11:00	61.80	4972	314	6.30
8/16/2018 12:00	62.90	5170	318	6.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/16/2018 13:00	62.70	5695	306	5.40
8/16/2018 14:00	63.20	6105	281	4.60
8/16/2018 15:00	64.40	6116	234	3.80
8/16/2018 16:00	66.40	5326	171	3.20
8/16/2018 17:00	67.60	4960	158	3.20
8/16/2018 18:00	68.10	4095	133	3.20
8/16/2018 19:00	66.90	3324	109	3.30
8/16/2018 20:00	66.10	3043	120	3.90
8/16/2018 21:00	66.20	2556	104	4.10
8/16/2018 22:00	68.30	2239	66	2.90
8/16/2018 23:00	68.30	1682	48	2.90
8/17/2018 0:00	67.50	1172	43	3.70
8/17/2018 1:00	66.50	610	39	6.40
8/17/2018 2:00	66.80	628	48	7.60
8/17/2018 3:00	67.10	924	61	6.60
8/17/2018 4:00	69.30	2394	90	3.80
8/17/2018 5:00	68.20	5808	171	2.90
8/17/2018 6:00	41.60	8222	314	3.80
8/17/2018 7:00	26.90	7847	498	6.30
8/17/2018 8:00	47.30	6838	372	5.40
8/17/2018 9:00	59.40	5789	326	5.60
8/17/2018 10:00	62.20	5341	333	6.20
8/17/2018 11:00	61.90	5332	341	6.40
8/17/2018 12:00	62.10	5927	337	5.70
8/17/2018 13:00	63.70	6057	296	4.90
8/17/2018 14:00	64.20	6262	261	4.20
8/17/2018 15:00	64.60	5991	217	3.60
8/17/2018 16:00	66.80	5326	173	3.20
8/17/2018 17:00	67.70	4781	158	3.30
8/17/2018 18:00	67.20	4087	164	4.00
8/17/2018 19:00	67.50	3662	101	2.80
8/17/2018 20:00	66.50	3214	115	3.60
8/17/2018 21:00	66.80	2879	87	3.00
8/17/2018 22:00	66.90	2467	70	2.80
8/17/2018 23:00	67.80	2012	39	1.90
8/18/2018 0:00	66.00	1189	47	4.00
8/18/2018 1:00	65.20	820	43	5.20
8/18/2018 2:00	66.70	667	24	3.60
8/18/2018 3:00	67.30	734	27	3.70
8/18/2018 4:00	68.30	1146	29	2.50
8/18/2018 5:00	67.40	1933	69	3.60
8/18/2018 6:00	66.00	2821	106	3.80
8/18/2018 7:00	65.70	3906	149	3.80
8/18/2018 8:00	65.00	4297	168	3.90
8/18/2018 9:00	65.00	4385	155	3.50
8/18/2018 10:00	65.40	4678	170	3.60
8/18/2018 11:00	64.70	4957	172	3.50
8/18/2018 12:00	65.50	5233	179	3.40
8/18/2018 13:00	65.40	5308	165	3.10
8/18/2018 14:00	65.80	5156	155	3.00
8/18/2018 15:00	66.30	5095	141	2.80
8/18/2018 16:00	67.00	4805	132	2.70



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/18/2018 17:00	67.70	4340	101	2.30
8/18/2018 18:00	67.40	3877	90	2.30
8/18/2018 19:00	67.10	3525	70	2.00
8/18/2018 20:00	66.40	3450	65	1.90
8/18/2018 21:00	67.40	3412	75	2.20
8/18/2018 22:00	67.10	2791	57	2.00
8/18/2018 23:00	67.50	2050	42	2.00
8/19/2018 0:00	66.70	1395	21	1.50
8/19/2018 1:00	66.60	969	13	1.30
8/19/2018 2:00	66.90	812	13	1.60
8/19/2018 3:00	66.60	681	15	2.20
8/19/2018 4:00	67.00	664	16	2.40
8/19/2018 5:00	66.80	1119	40	3.60
8/19/2018 6:00	68.10	1708	40	2.30
8/19/2018 7:00	67.20	2230	64	2.90
8/19/2018 8:00	67.30	2870	66	2.30
8/19/2018 9:00	66.80	3393	102	3.00
8/19/2018 10:00	65.90	3904	115	2.90
8/19/2018 11:00	65.70	4673	130	2.80
8/19/2018 12:00	65.60	4802	127	2.60
8/19/2018 13:00	66.30	4966	127	2.60
8/19/2018 14:00	66.70	4740	121	2.60
8/19/2018 15:00	66.40	4618	123	2.70
8/19/2018 16:00	66.60	4682	113	2.40
8/19/2018 17:00	66.90	4178	102	2.40
8/19/2018 18:00	67.30	3939	89	2.30
8/19/2018 19:00	66.10	3551	93	2.60
8/19/2018 20:00	65.60	3333	78	2.30
8/19/2018 21:00	67.70	2543	60	2.40
8/19/2018 22:00	67.30	1809	41	2.30
8/19/2018 23:00	67.50	1443	33	2.30
8/20/2018 0:00	67.00	984	34	3.50
8/20/2018 1:00	66.60	729	28	3.80
8/20/2018 2:00	66.60	732	35	4.80
8/20/2018 3:00	68.10	1027	40	3.90
8/20/2018 4:00	68.60	2487	86	3.50
8/20/2018 5:00	69.30	5996	163	2.70
8/20/2018 6:00	43.90	8063	317	3.90
8/20/2018 7:00	26.70	7891	454	5.80
8/20/2018 8:00	31.90	7354	410	5.60
8/20/2018 9:00	62.70	5823	354	6.10
8/20/2018 10:00	62.30	4873	327	6.70
8/20/2018 11:00	60.90	4869	340	7.00
8/20/2018 12:00	62.40	4936	285	5.80
8/20/2018 13:00	63.80	5289	284	5.40
8/20/2018 14:00	64.80	5762	247	4.30
8/20/2018 15:00	65.40	5968	231	3.90
8/20/2018 16:00	66.00	5596	196	3.50
8/20/2018 17:00	67.30	5115	166	3.20
8/20/2018 18:00	67.40	3998	140	3.50
8/20/2018 19:00	67.60	3247	113	3.50
8/20/2018 20:00	67.80	3041	108	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/20/2018 21:00	66.50	2453	86	3.50
8/20/2018 22:00	68.90	2092	52	2.50
8/20/2018 23:00	66.80	1285	57	4.40
8/21/2018 0:00	66.70	786	38	4.80
8/21/2018 1:00	65.50	524	34	6.50
8/21/2018 2:00	67.00	549	29	5.30
8/21/2018 3:00	66.20	884	66	7.50
8/21/2018 4:00	67.90	2395	102	4.30
8/21/2018 5:00	69.90	6230	180	2.90
8/21/2018 6:00	40.60	8351	357	4.30
8/21/2018 7:00	31.90	8210	383	4.70
8/21/2018 8:00	25.10	7409	311	4.20
8/21/2018 9:00	40.60	6461	317	4.90
8/21/2018 10:00	62.70	4969	305	6.10
8/21/2018 11:00	62.80	4795	290	6.00
8/21/2018 12:00	63.00	4959	301	6.10
8/21/2018 13:00	64.20	5320	276	5.20
8/21/2018 14:00	63.90	5824	272	4.70
8/21/2018 15:00	65.60	5977	187	3.10
8/21/2018 16:00	66.70	5725	191	3.30
8/21/2018 17:00	67.70	5057	170	3.40
8/21/2018 18:00	67.50	3994	161	4.00
8/21/2018 19:00	67.30	3341	124	3.70
8/21/2018 20:00	66.70	2868	128	4.50
8/21/2018 21:00	67.10	2223	86	3.90
8/21/2018 22:00	66.60	1738	64	3.70
8/21/2018 23:00	67.60	1399	42	3.00
8/22/2018 0:00	66.60	779	39	5.00
8/22/2018 1:00	65.80	514	33	6.40
8/22/2018 2:00	66.30	539	36	6.70
8/22/2018 3:00	66.90	826	42	5.10
8/22/2018 4:00	67.00	2393	100	4.20
8/22/2018 5:00	69.30	6070	178	2.90
8/22/2018 6:00	34.00	8111	295	3.60
8/22/2018 7:00	25.30	7692	374	4.90
8/22/2018 8:00	26.00	7395	461	6.20
8/22/2018 9:00	49.60	6384	393	6.20
8/22/2018 10:00	61.90	5141	339	6.60
8/22/2018 11:00	62.10	4787	318	6.60
8/22/2018 12:00	62.70	5051	313	6.20
8/22/2018 13:00	63.50	5381	290	5.40
8/22/2018 14:00	64.00	5980	279	4.70
8/22/2018 15:00	65.10	5858	229	3.90
8/22/2018 16:00	66.50	5516	187	3.40
8/22/2018 17:00	67.50	5086	132	2.60
8/22/2018 18:00	67.10	4067	156	3.80
8/22/2018 19:00	67.20	3219	116	3.60
8/22/2018 20:00	66.30	2844	124	4.40
8/22/2018 21:00	66.40	2400	95	4.00
8/22/2018 22:00	67.20	1807	59	3.30
8/22/2018 23:00	66.90	1587	60	3.80
8/23/2018 0:00	66.60	814	29	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/23/2018 1:00	65.90	556	36	6.50
8/23/2018 2:00	65.20	543	49	9.00
8/23/2018 3:00	67.00	931	52	5.60
8/23/2018 4:00	69.00	2446	86	3.50
8/23/2018 5:00	68.70	6161	194	3.10
8/23/2018 6:00	34.20	8043	354	4.40
8/23/2018 7:00	25.20	7818	414	5.30
8/23/2018 8:00	26.00	7609	423	5.60
8/23/2018 9:00	52.50	6103	344	5.60
8/23/2018 10:00	61.80	5013	343	6.80
8/23/2018 11:00	61.70	4963	316	6.40
8/23/2018 12:00	62.10	5269	340	6.50
8/23/2018 13:00	62.70	5660	318	5.60
8/23/2018 14:00	63.40	6252	312	5.00
8/23/2018 15:00	65.00	6155	221	3.60
8/23/2018 16:00	66.20	5721	188	3.30
8/23/2018 17:00	66.50	4956	187	3.80
8/23/2018 18:00	66.70	4076	149	3.70
8/23/2018 19:00	66.40	3519	128	3.60
8/23/2018 20:00	65.90	3039	121	4.00
8/23/2018 21:00	66.80	2410	89	3.70
8/23/2018 22:00	66.70	1790	51	2.80
8/23/2018 23:00	66.70	1093	30	2.70
8/24/2018 0:00	66.60	743	27	3.60
8/24/2018 1:00	66.40	533	36	6.80
8/24/2018 2:00	66.50	580	41	7.10
8/24/2018 3:00	67.70	889	55	6.20
8/24/2018 4:00	66.60	2269	115	5.10
8/24/2018 5:00	68.70	5778	177	3.10
8/24/2018 6:00	62.40	8480	282	3.30
8/24/2018 7:00	28.60	7825	401	5.10
8/24/2018 8:00	44.30	6872	314	4.60
8/24/2018 9:00	62.50	5905	339	5.70
8/24/2018 10:00	59.90	5202	363	7.00
8/24/2018 11:00	62.10	5300	315	5.90
8/24/2018 12:00	61.90	5696	332	5.80
8/24/2018 13:00	62.70	6223	324	5.20
8/24/2018 14:00	63.40	6275	269	4.30
8/24/2018 15:00	64.20	5932	229	3.90
8/24/2018 16:00	65.10	5242	204	3.90
8/24/2018 17:00	66.70	4912	155	3.20
8/24/2018 18:00	67.30	4278	143	3.30
8/24/2018 19:00	66.50	3653	121	3.30
8/24/2018 20:00	66.30	3086	105	3.40
8/24/2018 21:00	67.30	2713	101	3.70
8/24/2018 22:00	67.00	2412	79	3.30
8/24/2018 23:00	68.30	1927	43	2.20
8/25/2018 0:00	66.40	1378	53	3.80
8/25/2018 1:00	66.10	831	31	3.70
8/25/2018 2:00	66.00	683	31	4.50
8/25/2018 3:00	65.90	689	31	4.50
8/25/2018 4:00	67.50	1162	43	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/25/2018 5:00	67.40	1926	68	3.50
8/25/2018 6:00	65.50	2762	99	3.60
8/25/2018 7:00	65.40	3720	150	4.00
8/25/2018 8:00	65.80	4312	158	3.70
8/25/2018 9:00	65.80	4712	169	3.60
8/25/2018 10:00	64.70	4647	185	4.00
8/25/2018 11:00	64.70	5064	202	4.00
8/25/2018 12:00	65.10	5449	173	3.20
8/25/2018 13:00	65.00	5672	185	3.30
8/25/2018 14:00	65.40	5634	166	2.90
8/25/2018 15:00	66.30	5389	142	2.60
8/25/2018 16:00	66.70	5090	133	2.60
8/25/2018 17:00	66.90	4453	116	2.60
8/25/2018 18:00	67.20	3983	100	2.50
8/25/2018 19:00	61.20	3673	71	1.90
8/25/2018 20:00	65.90	3294	73	2.20
8/25/2018 21:00	67.50	2992	59	2.00
8/25/2018 22:00	67.60	2945	67	2.30
8/25/2018 23:00	67.50	2568	41	1.60
8/26/2018 0:00	66.80	1464	25	1.70
8/26/2018 1:00	66.30	1053	24	2.30
8/26/2018 2:00	67.60	929	12	1.30
8/26/2018 3:00	66.80	733	18	2.50
8/26/2018 4:00	66.30	666	22	3.30
8/26/2018 5:00	67.00	1037	39	3.80
8/26/2018 6:00	67.50	1633	40	2.40
8/26/2018 7:00	67.40	2167	56	2.60
8/26/2018 8:00	67.10	2778	80	2.90
8/26/2018 9:00	66.50	3352	90	2.70
8/26/2018 10:00	66.80	3878	106	2.70
8/26/2018 11:00	66.10	4603	139	3.00
8/26/2018 12:00	65.70	5141	152	3.00
8/26/2018 13:00	66.20	5081	119	2.30
8/26/2018 14:00	66.60	4890	134	2.70
8/26/2018 15:00	66.60	4850	115	2.40
8/26/2018 16:00	66.10	4483	110	2.50
8/26/2018 17:00	66.70	4100	94	2.30
8/26/2018 18:00	66.70	3753	97	2.60
8/26/2018 19:00	65.60	3663	90	2.50
8/26/2018 20:00	65.20	3234	84	2.60
8/26/2018 21:00	67.60	2511	63	2.50
8/26/2018 22:00	67.70	2117	45	2.10
8/26/2018 23:00	67.60	1865	37	2.00
8/27/2018 0:00	67.90	1160	24	2.10
8/27/2018 1:00	66.40	641	21	3.30
8/27/2018 2:00	66.60	636	35	5.50
8/27/2018 3:00	66.90	964	49	5.10
8/27/2018 4:00	67.10	2457	109	4.40
8/27/2018 5:00	69.60	6061	141	2.30
8/27/2018 6:00	40.40	8079	320	4.00
8/27/2018 7:00	25.90	7854	415	5.30
8/27/2018 8:00	24.10	6962	479	6.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/27/2018 9:00	40.20	6141	336	5.50
8/27/2018 10:00	62.80	4878	312	6.40
8/27/2018 11:00	62.50	4993	330	6.60
8/27/2018 12:00	62.70	5018	330	6.60
8/27/2018 13:00	63.60	5473	302	5.50
8/27/2018 14:00	64.40	5895	280	4.70
8/27/2018 15:00	65.40	6017	214	3.60
8/27/2018 16:00	66.20	5291	180	3.40
8/27/2018 17:00	67.60	5067	176	3.50
8/27/2018 18:00	67.90	3874	134	3.50
8/27/2018 19:00	66.10	3282	146	4.40
8/27/2018 20:00	66.80	2761	103	3.70
8/27/2018 21:00	66.60	2308	85	3.70
8/27/2018 22:00	66.20	1517	69	4.50
8/27/2018 23:00	66.80	990	38	3.80
8/28/2018 0:00	66.20	621	36	5.80
8/28/2018 1:00	65.00	424	33	7.80
8/28/2018 2:00	67.00	463	22	4.80
8/28/2018 3:00	66.30	844	52	6.20
8/28/2018 4:00	67.90	2472	96	3.90
8/28/2018 5:00	69.50	6234	186	3.00
8/28/2018 6:00	36.80	8006	385	4.80
8/28/2018 7:00	26.20	8078	456	5.60
8/28/2018 8:00	18.10	5993	392	6.50
8/28/2018 9:00	22.50	6570	361	5.50
8/28/2018 10:00	62.20	4850	289	6.00
8/28/2018 11:00	61.40	4975	369	7.40
8/28/2018 12:00	63.10	5060	303	6.00
8/28/2018 13:00	63.60	5534	312	5.60
8/28/2018 14:00	64.60	6141	258	4.20
8/28/2018 15:00	65.80	5915	208	3.50
8/28/2018 16:00	66.90	5814	170	2.90
8/28/2018 17:00	67.40	5474	200	3.70
8/28/2018 18:00	67.60	4074	147	3.60
8/28/2018 19:00	67.00	3337	130	3.90
8/28/2018 20:00	67.10	2820	95	3.40
8/28/2018 21:00	66.90	2415	87	3.60
8/28/2018 22:00	67.10	1713	52	3.00
8/28/2018 23:00	65.80	960	38	4.00
8/29/2018 0:00	66.00	636	38	6.00
8/29/2018 1:00	65.90	468	28	6.00
8/29/2018 2:00	65.50	492	42	8.50
8/29/2018 3:00	66.20	881	54	6.10
8/29/2018 4:00	68.80	2441	82	3.40
8/29/2018 5:00	69.10	6204	165	2.70
8/29/2018 6:00	33.20	7928	349	4.40
8/29/2018 7:00	25.80	7804	424	5.40
8/29/2018 8:00	24.30	7176	433	6.00
8/29/2018 9:00	29.90	6816	310	4.50
8/29/2018 10:00	61.40	4907	335	6.80
8/29/2018 11:00	61.30	4764	336	7.10
8/29/2018 12:00	62.00	5028	313	6.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/29/2018 13:00	63.00	5673	317	5.60
8/29/2018 14:00	64.10	5976	252	4.20
8/29/2018 15:00	64.30	6160	233	3.80
8/29/2018 16:00	66.20	5718	156	2.70
8/29/2018 17:00	66.90	5232	167	3.20
8/29/2018 18:00	66.90	4045	146	3.60
8/29/2018 19:00	66.10	3423	117	3.40
8/29/2018 20:00	67.00	2907	116	4.00
8/29/2018 21:00	66.00	2325	117	5.00
8/29/2018 22:00	66.10	1595	58	3.60
8/29/2018 23:00	66.10	1110	38	3.40
8/30/2018 0:00	65.90	754	39	5.20
8/30/2018 1:00	64.40	545	54	9.90
8/30/2018 2:00	66.10	515	40	7.80
8/30/2018 3:00	66.20	863	57	6.60
8/30/2018 4:00	68.70	2413	88	3.60
8/30/2018 5:00	67.50	6175	230	3.70
8/30/2018 6:00	33.60	7880	365	4.60
8/30/2018 7:00	26.90	7877	618	7.80
8/30/2018 8:00	25.10	7286	363	5.00
8/30/2018 9:00	32.40	6755	412	6.10
8/30/2018 10:00	62.00	5193	314	6.00
8/30/2018 11:00	61.50	5305	349	6.60
8/30/2018 12:00	62.40	5287	338	6.40
8/30/2018 13:00	62.80	5717	309	5.40
8/30/2018 14:00	63.80	6250	301	4.80
8/30/2018 15:00	64.80	6163	212	3.40
8/30/2018 16:00	65.80	5574	175	3.10
8/30/2018 17:00	66.30	5143	175	3.40
8/30/2018 18:00	67.10	4067	146	3.60
8/30/2018 19:00	66.70	3538	134	3.80
8/30/2018 20:00	65.80	3024	120	4.00
8/30/2018 21:00	66.90	2599	101	3.90
8/30/2018 22:00	66.80	1874	52	2.80
8/30/2018 23:00	66.60	1258	44	3.50
8/31/2018 0:00	66.70	776	23	3.00
8/31/2018 1:00	65.80	576	43	7.50
8/31/2018 2:00	67.10	640	38	5.90
8/31/2018 3:00	67.90	925	51	5.50
8/31/2018 4:00	67.90	2417	101	4.20
8/31/2018 5:00	69.00	5852	181	3.10
8/31/2018 6:00	37.00	8057	421	5.20
8/31/2018 7:00	27.80	7837	645	8.20
8/31/2018 8:00	28.20	6612	381	5.80
8/31/2018 9:00	62.10	5987	345	5.80
8/31/2018 10:00	62.00	5369	312	5.80
8/31/2018 11:00	61.60	5545	354	6.40
8/31/2018 12:00	62.50	5793	303	5.20
8/31/2018 13:00	63.60	6285	277	4.40
8/31/2018 14:00	63.40	6398	293	4.60
8/31/2018 15:00	64.80	5610	204	3.60
8/31/2018 16:00	65.50	5110	183	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/31/2018 17:00	66.50	4843	171	3.50
8/31/2018 18:00	66.50	4464	185	4.10
8/31/2018 19:00	66.90	3910	112	2.90
8/31/2018 20:00	66.20	3305	106	3.20
8/31/2018 21:00	66.80	2885	99	3.40
8/31/2018 22:00	67.20	2669	74	2.80
8/31/2018 23:00	67.60	2078	49	2.40
9/01/2018 0:00	67.80	1240	31	2.50
9/01/2018 1:00	66.50	904	32	3.50
9/01/2018 2:00	66.30	693	32	4.60
9/01/2018 3:00	66.60	630	23	3.70
9/01/2018 4:00	66.50	1041	48	4.60
9/01/2018 5:00	67.10	1738	60	3.50
9/01/2018 6:00	67.60	2524	74	2.90
9/01/2018 7:00	66.10	3669	134	3.70
9/01/2018 8:00	65.60	4150	152	3.70
9/01/2018 9:00	65.50	4270	147	3.40
9/01/2018 10:00	65.50	4496	171	3.80
9/01/2018 11:00	64.90	4856	174	3.60
9/01/2018 12:00	65.10	5064	169	3.30
9/01/2018 13:00	66.20	5141	153	3.00
9/01/2018 14:00	66.10	4956	143	2.90
9/01/2018 15:00	66.10	4901	130	2.70
9/01/2018 16:00	67.30	4549	110	2.40
9/01/2018 17:00	67.70	4137	95	2.30
9/01/2018 18:00	67.70	3831	82	2.10
9/01/2018 19:00	66.70	3419	80	2.30
9/01/2018 20:00	65.40	3544	88	2.50
9/01/2018 21:00	67.20	3156	76	2.40
9/01/2018 22:00	67.40	2497	45	1.80
9/01/2018 23:00	67.50	2271	54	2.40
9/02/2018 0:00	66.40	1414	33	2.30
9/02/2018 1:00	66.40	950	22	2.30
9/02/2018 2:00	66.30	850	15	1.80
9/02/2018 3:00	66.80	666	16	2.40
9/02/2018 4:00	66.70	633	23	3.60
9/02/2018 5:00	67.80	1029	20	1.90
9/02/2018 6:00	67.00	1494	45	3.00
9/02/2018 7:00	68.50	2076	54	2.60
9/02/2018 8:00	67.50	2625	56	2.10
9/02/2018 9:00	66.30	3269	91	2.80
9/02/2018 10:00	66.30	3720	88	2.40
9/02/2018 11:00	66.20	4051	103	2.50
9/02/2018 12:00	65.40	4447	106	2.40
9/02/2018 13:00	66.00	4784	113	2.40
9/02/2018 14:00	66.90	4514	102	2.30
9/02/2018 15:00	66.60	4451	104	2.30
9/02/2018 16:00	66.30	4501	93	2.10
9/02/2018 17:00	66.80	4128	85	2.10
9/02/2018 18:00	66.90	3820	81	2.10
9/02/2018 19:00	66.00	3646	73	2.00
9/02/2018 20:00	65.50	3304	74	2.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/02/2018 21:00	67.70	2600	52	2.00
9/02/2018 22:00	67.30	2113	44	2.10
9/02/2018 23:00	67.30	1618	36	2.20
9/03/2018 0:00	67.30	1175	30	2.60
9/03/2018 1:00	67.20	814	14	1.70
9/03/2018 2:00	67.40	723	19	2.60
9/03/2018 3:00	66.90	671	18	2.70
9/03/2018 4:00	67.50	757	21	2.80
9/03/2018 5:00	68.50	1187	35	2.90
9/03/2018 6:00	67.70	1764	63	3.60
9/03/2018 7:00	67.50	2128	60	2.80
9/03/2018 8:00	67.10	2534	89	3.50
9/03/2018 9:00	65.90	3064	144	4.70
9/03/2018 10:00	66.00	3439	153	4.40
9/03/2018 11:00	66.40	4234	176	4.20
9/03/2018 12:00	66.20	4723	187	4.00
9/03/2018 13:00	67.50	4700	151	3.20
9/03/2018 14:00	67.70	4415	124	2.80
9/03/2018 15:00	68.30	4091	110	2.70
9/03/2018 16:00	68.40	3890	95	2.40
9/03/2018 17:00	67.50	3556	95	2.70
9/03/2018 18:00	68.20	3494	70	2.00
9/03/2018 19:00	66.30	3284	85	2.60
9/03/2018 20:00	66.60	2901	65	2.20
9/03/2018 21:00	67.40	2373	55	2.30
9/03/2018 22:00	67.30	1771	52	2.90
9/03/2018 23:00	67.60	1259	35	2.80
9/04/2018 0:00	68.00	906	21	2.30
9/04/2018 1:00	67.50	709	22	3.10
9/04/2018 2:00	66.70	656	34	5.20
9/04/2018 3:00	67.50	933	53	5.70
9/04/2018 4:00	68.30	2523	106	4.20
9/04/2018 5:00	69.10	6064	187	3.10
9/04/2018 6:00	32.20	7772	348	4.50
9/04/2018 7:00	25.20	7939	439	5.50
9/04/2018 8:00	25.10	7418	437	5.90
9/04/2018 9:00	32.80	6850	364	5.30
9/04/2018 10:00	62.20	4958	330	6.70
9/04/2018 11:00	62.10	4790	322	6.70
9/04/2018 12:00	62.80	5297	295	5.60
9/04/2018 13:00	63.60	5616	303	5.40
9/04/2018 14:00	64.40	6052	284	4.70
9/04/2018 15:00	64.70	6417	250	3.90
9/04/2018 16:00	66.30	6001	204	3.40
9/04/2018 17:00	66.70	5424	182	3.40
9/04/2018 18:00	67.50	4282	151	3.50
9/04/2018 19:00	65.80	3425	150	4.40
9/04/2018 20:00	66.60	2703	110	4.10
9/04/2018 21:00	65.40	2282	109	4.80
9/04/2018 22:00	66.30	1541	57	3.70
9/04/2018 23:00	66.50	1010	35	3.50
9/05/2018 0:00	65.90	679	44	6.50



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/05/2018 1:00	65.40	463	31	6.70
9/05/2018 2:00	66.70	514	27	5.30
9/05/2018 3:00	66.40	882	51	5.80
9/05/2018 4:00	67.30	2394	94	3.90
9/05/2018 5:00	68.50	6201	182	2.90
9/05/2018 6:00	34.40	8181	419	5.10
9/05/2018 7:00	26.00	7903	407	5.10
9/05/2018 8:00	25.80	7633	507	6.60
9/05/2018 9:00	40.00	6595	452	6.90
9/05/2018 10:00	62.30	5079	344	6.80
9/05/2018 11:00	62.20	4796	329	6.90
9/05/2018 12:00	62.70	5230	326	6.20
9/05/2018 13:00	63.40	5532	302	5.50
9/05/2018 14:00	59.80	5984	240	4.00
9/05/2018 15:00	64.10	6119	233	3.80
9/05/2018 16:00	65.00	5841	202	3.50
9/05/2018 17:00	66.80	5241	153	2.90
9/05/2018 18:00	66.30	4344	175	4.00
9/05/2018 19:00	67.30	3474	115	3.30
9/05/2018 20:00	65.70	2866	122	4.30
9/05/2018 21:00	66.30	2428	103	4.20
9/05/2018 22:00	67.20	1802	60	3.30
9/05/2018 23:00	66.90	1269	50	3.90
9/06/2018 0:00	66.70	794	33	4.20
9/06/2018 1:00	65.90	572	43	7.50
9/06/2018 2:00	66.40	528	42	8.00
9/06/2018 3:00	67.10	901	52	5.80
9/06/2018 4:00	68.50	2419	91	3.80
9/06/2018 5:00	69.10	6195	198	3.20
9/06/2018 6:00	37.40	8042	374	4.70
9/06/2018 7:00	25.80	7898	511	6.50
9/06/2018 8:00	25.60	7456	382	5.10
9/06/2018 9:00	51.50	6219	404	6.50
9/06/2018 10:00	62.40	5031	304	6.00
9/06/2018 11:00	62.40	5141	313	6.10
9/06/2018 12:00	62.60	5280	315	6.00
9/06/2018 13:00	62.60	5561	305	5.50
9/06/2018 14:00	62.90	6254	295	4.70
9/06/2018 15:00	64.60	5800	210	3.60
9/06/2018 16:00	65.40	5458	190	3.50
9/06/2018 17:00	66.50	5035	166	3.30
9/06/2018 18:00	66.60	4302	139	3.20
9/06/2018 19:00	66.10	3430	125	3.60
9/06/2018 20:00	66.80	2830	105	3.70
9/06/2018 21:00	67.00	2374	98	4.10
9/06/2018 22:00	67.00	1680	44	2.60
9/06/2018 23:00	66.50	1094	38	3.50
9/07/2018 0:00	66.00	743	31	4.20
9/07/2018 1:00	66.40	497	25	5.00
9/07/2018 2:00	66.00	570	43	7.50
9/07/2018 3:00	66.60	857	56	6.50
9/07/2018 4:00	66.80	2314	115	5.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/07/2018 5:00	65.50	5989	188	3.10
9/07/2018 6:00	40.60	8153	351	4.30
9/07/2018 7:00	24.90	7479	477	6.40
9/07/2018 8:00	25.60	7471	421	5.60
9/07/2018 9:00	55.90	5863	345	5.90
9/07/2018 10:00	61.30	5124	347	6.80
9/07/2018 11:00	61.80	5365	353	6.60
9/07/2018 12:00	62.50	5877	338	5.80
9/07/2018 13:00	63.50	6013	297	4.90
9/07/2018 14:00	63.90	6415	300	4.70
9/07/2018 15:00	64.70	6193	214	3.50
9/07/2018 16:00	65.80	5002	173	3.50
9/07/2018 17:00	67.40	4586	149	3.20
9/07/2018 18:00	66.90	4276	124	2.90
9/07/2018 19:00	67.10	3694	97	2.60
9/07/2018 20:00	66.80	3169	95	3.00
9/07/2018 21:00	66.30	2693	105	3.90
9/07/2018 22:00	66.70	2094	49	2.30
9/07/2018 23:00	67.30	1442	31	2.10
9/08/2018 0:00	65.70	1078	47	4.40
9/08/2018 1:00	66.00	717	22	3.10
9/08/2018 2:00	65.50	639	32	5.00
9/08/2018 3:00	66.10	656	29	4.40
9/08/2018 4:00	66.50	1229	46	3.70
9/08/2018 5:00	66.10	1948	89	4.60
9/08/2018 6:00	66.00	3043	111	3.60
9/08/2018 7:00	65.70	4040	135	3.30
9/08/2018 8:00	64.90	4425	181	4.10
9/08/2018 9:00	63.90	4534	193	4.30
9/08/2018 10:00	63.80	4474	202	4.50
9/08/2018 11:00	64.30	4875	188	3.90
9/08/2018 12:00	64.80	5260	170	3.20
9/08/2018 13:00	64.60	5416	168	3.10
9/08/2018 14:00	65.00	5375	182	3.40
9/08/2018 15:00	65.00	5034	159	3.20
9/08/2018 16:00	62.20	4820	192	4.00
9/08/2018 17:00	57.40	3764	43	1.10
9/08/2018 18:00	59.00	3761	57	1.50
9/08/2018 19:00	65.40	3441	79	2.30
9/08/2018 20:00	65.10	3192	76	2.40
9/08/2018 21:00	64.60	3012	77	2.60
9/08/2018 22:00	66.70	2543	49	1.90
9/08/2018 23:00	66.90	2235	35	1.60
9/09/2018 0:00	66.80	1556	18	1.20
9/09/2018 1:00	66.60	956	21	2.20
9/09/2018 2:00	66.70	720	10	1.40
9/09/2018 3:00	66.70	670	16	2.40
9/09/2018 4:00	66.50	588	21	3.60
9/09/2018 5:00	66.80	1088	28	2.60
9/09/2018 6:00	68.10	1761	51	2.90
9/09/2018 7:00	68.20	2319	59	2.50
9/09/2018 8:00	66.10	2867	90	3.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/09/2018 9:00	66.00	3406	85	2.50
9/09/2018 10:00	65.60	3720	105	2.80
9/09/2018 11:00	65.90	4162	122	2.90
9/09/2018 12:00	65.50	4656	143	3.10
9/09/2018 13:00	66.20	4580	123	2.70
9/09/2018 14:00	65.70	4450	116	2.60
9/09/2018 15:00	66.30	4266	101	2.40
9/09/2018 16:00	65.30	4121	111	2.70
9/09/2018 17:00	66.40	3888	87	2.20
9/09/2018 18:00	66.00	3677	78	2.10
9/09/2018 19:00	65.30	3733	90	2.40
9/09/2018 20:00	65.60	3270	73	2.20
9/09/2018 21:00	67.10	2631	69	2.60
9/09/2018 22:00	67.90	1956	46	2.40
9/09/2018 23:00	66.60	1520	49	3.20
9/10/2018 0:00	66.80	886	23	2.60
9/10/2018 1:00	66.50	628	21	3.30
9/10/2018 2:00	65.90	615	23	3.70
9/10/2018 3:00	66.00	955	43	4.50
9/10/2018 4:00	66.40	2519	101	4.00
9/10/2018 5:00	65.70	6138	189	3.10
9/10/2018 6:00	28.00	6612	278	4.20
9/10/2018 7:00	17.70	6422	500	7.80
9/10/2018 8:00	19.50	6503	392	6.00
9/10/2018 9:00	22.40	6077	303	5.00
9/10/2018 10:00	59.80	4671	283	6.10
9/10/2018 11:00	59.90	4608	299	6.50
9/10/2018 12:00	60.60	4868	281	5.80
9/10/2018 13:00	61.30	5400	291	5.40
9/10/2018 14:00	62.00	5824	282	4.80
9/10/2018 15:00	63.40	6013	232	3.90
9/10/2018 16:00	63.80	5711	176	3.10
9/10/2018 17:00	64.40	5308	184	3.50
9/10/2018 18:00	64.10	4135	168	4.10
9/10/2018 19:00	64.40	3292	108	3.30
9/10/2018 20:00	63.70	2647	120	4.50
9/10/2018 21:00	64.70	2202	86	3.90
9/10/2018 22:00	65.50	1504	57	3.80
9/10/2018 23:00	65.50	1031	40	3.90
9/11/2018 0:00	57.80	683	36	5.30
9/11/2018 1:00	52.50	446	28	6.30
9/11/2018 2:00	52.20	521	30	5.80
9/11/2018 3:00	52.10	849	63	7.40
9/11/2018 4:00	56.30	2365	94	4.00
9/11/2018 5:00	55.50	6236	193	3.10
9/11/2018 6:00	46.30	7038	185	2.60
9/11/2018 7:00	29.40	8377	344	4.10
9/11/2018 8:00	22.40	7702	476	6.20
9/11/2018 9:00	43.00	6519	468	7.20
9/11/2018 10:00	51.30	5002	332	6.60
9/11/2018 11:00	52.00	4624	300	6.50
9/11/2018 12:00	52.10	5100	313	6.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/11/2018 13:00	52.50	5468	296	5.40
9/11/2018 14:00	53.70	5874	263	4.50
9/11/2018 15:00	54.10	6089	241	4.00
9/11/2018 16:00	55.10	5834	188	3.20
9/11/2018 17:00	55.10	5649	208	3.70
9/11/2018 18:00	55.40	4175	144	3.40
9/11/2018 19:00	55.30	3506	109	3.10
9/11/2018 20:00	55.20	2703	103	3.80
9/11/2018 21:00	54.40	2384	110	4.60
9/11/2018 22:00	55.10	1770	78	4.40
9/11/2018 23:00	56.50	1422	47	3.30
9/12/2018 0:00	65.60	608	41	6.70
9/12/2018 1:00	66.20	428	22	5.10
9/12/2018 2:00	66.50	532	38	7.10
9/12/2018 3:00	65.90	881	62	7.00
9/12/2018 4:00	68.30	2424	83	3.40
9/12/2018 5:00	55.90	6170	157	2.50
9/12/2018 6:00	25.00	7635	271	3.50
9/12/2018 7:00	26.20	8077	360	4.50
9/12/2018 8:00	25.10	7372	296	4.00
9/12/2018 9:00	23.90	6958	323	4.60
9/12/2018 10:00	44.90	5644	350	6.20
9/12/2018 11:00	62.00	4745	318	6.70
9/12/2018 12:00	62.00	5287	349	6.60
9/12/2018 13:00	63.50	5893	327	5.50
9/12/2018 14:00	63.50	6022	287	4.80
9/12/2018 15:00	64.80	5974	209	3.50
9/12/2018 16:00	65.80	5587	193	3.50
9/12/2018 17:00	67.40	5399	142	2.60
9/12/2018 18:00	67.40	4090	123	3.00
9/12/2018 19:00	66.80	3424	121	3.50
9/12/2018 20:00	66.40	3133	123	3.90
9/12/2018 21:00	66.90	2523	92	3.60
9/12/2018 22:00	66.40	1826	65	3.60
9/12/2018 23:00	66.60	1139	38	3.30
9/13/2018 0:00	66.30	602	22	3.70
9/13/2018 1:00	65.80	398	21	5.30
9/13/2018 2:00	65.10	393	32	8.10
9/13/2018 3:00	66.80	627	30	4.80
9/13/2018 4:00	67.60	2254	78	3.50
9/13/2018 5:00	69.90	6305	184	2.90
9/13/2018 6:00	31.90	7923	385	4.90
9/13/2018 7:00	24.80	7845	369	4.70
9/13/2018 8:00	24.30	7393	388	5.20
9/13/2018 9:00	40.60	6489	383	5.90
9/13/2018 10:00	62.40	5190	336	6.50
9/13/2018 11:00	62.10	5097	318	6.20
9/13/2018 12:00	62.00	5386	350	6.50
9/13/2018 13:00	63.10	5526	283	5.10
9/13/2018 14:00	63.90	6136	295	4.80
9/13/2018 15:00	64.50	6150	254	4.10
9/13/2018 16:00	65.80	5732	187	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/13/2018 17:00	67.30	5317	163	3.10
9/13/2018 18:00	67.60	4071	129	3.20
9/13/2018 19:00	67.00	3637	105	2.90
9/13/2018 20:00	66.40	3252	130	4.00
9/13/2018 21:00	66.30	2648	116	4.40
9/13/2018 22:00	67.40	1934	69	3.60
9/13/2018 23:00	66.50	1359	51	3.80
9/14/2018 0:00	66.30	937	50	5.30
9/14/2018 1:00	66.60	577	34	5.90
9/14/2018 2:00	66.70	618	38	6.10
9/14/2018 3:00	67.40	963	65	6.70
9/14/2018 4:00	69.20	2518	95	3.80
9/14/2018 5:00	69.10	5917	187	3.20
9/14/2018 6:00	34.10	8211	300	3.70
9/14/2018 7:00	25.90	7695	479	6.20
9/14/2018 8:00	24.10	7162	415	5.80
9/14/2018 9:00	42.70	6205	384	6.20
9/14/2018 10:00	62.70	5130	312	6.10
9/14/2018 11:00	62.30	5818	379	6.50
9/14/2018 12:00	63.30	6131	328	5.30
9/14/2018 13:00	63.30	6233	301	4.80
9/14/2018 14:00	64.20	6456	290	4.50
9/14/2018 15:00	65.00	5857	226	3.90
9/14/2018 16:00	66.00	5305	193	3.60
9/14/2018 17:00	67.70	4643	132	2.80
9/14/2018 18:00	66.40	4142	159	3.80
9/14/2018 19:00	66.40	3741	130	3.50
9/14/2018 20:00	67.30	2982	99	3.30
9/14/2018 21:00	66.80	2576	89	3.50
9/14/2018 22:00	66.80	2366	82	3.50
9/14/2018 23:00	67.60	1548	38	2.50
9/15/2018 0:00	66.70	1065	26	2.40
9/15/2018 1:00	65.80	776	31	4.00
9/15/2018 2:00	66.30	698	33	4.70
9/15/2018 3:00	66.30	699	32	4.60
9/15/2018 4:00	67.30	1132	40	3.50
9/15/2018 5:00	67.40	1845	62	3.40
9/15/2018 6:00	66.30	3051	97	3.20
9/15/2018 7:00	64.80	3965	138	3.50
9/15/2018 8:00	64.80	4487	162	3.60
9/15/2018 9:00	64.20	4717	187	4.00
9/15/2018 10:00	65.30	4677	171	3.70
9/15/2018 11:00	64.40	4865	194	4.00
9/15/2018 12:00	65.10	5305	155	2.90
9/15/2018 13:00	65.50	5437	167	3.10
9/15/2018 14:00	65.70	5092	169	3.30
9/15/2018 15:00	66.00	5188	151	2.90
9/15/2018 16:00	65.80	4844	121	2.50
9/15/2018 17:00	66.30	4248	105	2.50
9/15/2018 18:00	66.20	3780	90	2.40
9/15/2018 19:00	65.60	3289	81	2.50
9/15/2018 20:00	65.50	2812	58	2.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/15/2018 21:00	67.60	2977	57	1.90
9/15/2018 22:00	67.20	2536	52	2.10
9/15/2018 23:00	66.90	1979	30	1.50
9/16/2018 0:00	66.50	1361	22	1.60
9/16/2018 1:00	66.30	960	22	2.30
9/16/2018 2:00	66.50	800	13	1.60
9/16/2018 3:00	66.90	584	9	1.50
9/16/2018 4:00	66.50	621	19	3.10
9/16/2018 5:00	66.00	1031	30	2.90
9/16/2018 6:00	67.40	1685	30	1.80
9/16/2018 7:00	66.60	2271	56	2.50
9/16/2018 8:00	67.00	2824	82	2.90
9/16/2018 9:00	66.30	3399	83	2.40
9/16/2018 10:00	65.70	3756	117	3.10
9/16/2018 11:00	65.10	4140	123	3.00
9/16/2018 12:00	65.00	4699	124	2.60
9/16/2018 13:00	65.50	4605	130	2.80
9/16/2018 14:00	65.80	4653	111	2.40
9/16/2018 15:00	65.60	4424	112	2.50
9/16/2018 16:00	65.80	4308	118	2.70
9/16/2018 17:00	66.20	4186	97	2.30
9/16/2018 18:00	65.50	3761	99	2.60
9/16/2018 19:00	64.80	3850	98	2.50
9/16/2018 20:00	64.70	3364	87	2.60
9/16/2018 21:00	65.60	2626	70	2.70
9/16/2018 22:00	66.00	1772	48	2.70
9/16/2018 23:00	66.10	1344	32	2.40
9/17/2018 0:00	66.40	938	28	3.00
9/17/2018 1:00	66.10	654	21	3.20
9/17/2018 2:00	65.70	606	36	5.90
9/17/2018 3:00	65.00	1002	58	5.80
9/17/2018 4:00	67.30	2472	80	3.20
9/17/2018 5:00	66.10	6136	189	3.10
9/17/2018 6:00	33.40	7727	245	3.20
9/17/2018 7:00	26.30	7840	411	5.20
9/17/2018 8:00	22.00	6840	336	4.90
9/17/2018 9:00	28.50	6159	413	6.70
9/17/2018 10:00	60.30	4993	301	6.00
9/17/2018 11:00	60.10	4799	303	6.30
9/17/2018 12:00	59.60	4904	338	6.90
9/17/2018 13:00	61.50	5353	294	5.50
9/17/2018 14:00	62.40	5876	282	4.80
9/17/2018 15:00	63.10	6085	220	3.60
9/17/2018 16:00	63.60	5770	201	3.50
9/17/2018 17:00	64.50	5022	168	3.30
9/17/2018 18:00	64.50	3978	138	3.50
9/17/2018 19:00	64.30	3172	111	3.50
9/17/2018 20:00	65.00	2702	88	3.30
9/17/2018 21:00	65.10	2264	94	4.20
9/17/2018 22:00	66.00	1694	50	3.00
9/17/2018 23:00	66.50	1245	41	3.30
9/18/2018 0:00	66.40	680	30	4.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/18/2018 1:00	65.70	454	29	6.40
9/18/2018 2:00	66.10	557	42	7.50
9/18/2018 3:00	66.20	848	60	7.10
9/18/2018 4:00	67.80	2506	109	4.30
9/18/2018 5:00	68.60	6255	192	3.10
9/18/2018 6:00	32.50	8123	383	4.70
9/18/2018 7:00	25.50	7723	429	5.60
9/18/2018 8:00	23.00	7065	354	5.00
9/18/2018 9:00	30.10	6860	380	5.50
9/18/2018 10:00	62.50	4873	295	6.10
9/18/2018 11:00	62.20	4866	336	6.90
9/18/2018 12:00	63.30	5075	288	5.70
9/18/2018 13:00	63.70	5419	312	5.80
9/18/2018 14:00	64.40	6006	274	4.60
9/18/2018 15:00	64.80	6152	217	3.50
9/18/2018 16:00	65.60	5837	195	3.30
9/18/2018 17:00	66.30	5328	183	3.40
9/18/2018 18:00	67.10	4134	143	3.50
9/18/2018 19:00	66.20	3353	139	4.10
9/18/2018 20:00	66.90	2742	99	3.60
9/18/2018 21:00	65.70	2495	112	4.50
9/18/2018 22:00	67.20	1944	65	3.30
9/18/2018 23:00	66.80	1246	35	2.80
9/19/2018 0:00	66.80	543	22	4.10
9/19/2018 1:00	66.00	371	20	5.40
9/19/2018 2:00	66.40	366	18	4.90
9/19/2018 3:00	66.50	667	40	6.00
9/19/2018 4:00	67.60	2391	101	4.20
9/19/2018 5:00	68.50	6254	204	3.30
9/19/2018 6:00	31.90	7913	342	4.30
9/19/2018 7:00	25.10	7903	470	5.90
9/19/2018 8:00	20.70	6679	486	7.30
9/19/2018 9:00	35.80	6615	431	6.50
9/19/2018 10:00	62.40	4848	312	6.40
9/19/2018 11:00	62.60	4725	307	6.50
9/19/2018 12:00	63.30	5006	301	6.00
9/19/2018 13:00	62.90	5670	318	5.60
9/19/2018 14:00	64.10	6077	265	4.40
9/19/2018 15:00	65.00	6178	226	3.70
9/19/2018 16:00	66.00	5686	190	3.30
9/19/2018 17:00	66.80	5165	171	3.30
9/19/2018 18:00	67.10	4243	154	3.60
9/19/2018 19:00	66.80	3601	129	3.60
9/19/2018 20:00	67.40	3095	105	3.40
9/19/2018 21:00	66.70	2844	116	4.10
9/19/2018 22:00	67.70	1837	51	2.80
9/19/2018 23:00	66.40	1201	49	4.10
9/20/2018 0:00	67.40	799	28	3.50
9/20/2018 1:00	66.30	551	35	6.40
9/20/2018 2:00	65.70	563	45	8.00
9/20/2018 3:00	65.50	906	72	7.90
9/20/2018 4:00	67.70	2490	99	4.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/20/2018 5:00	69.00	6381	205	3.20
9/20/2018 6:00	29.90	7817	305	3.90
9/20/2018 7:00	27.40	8062	366	4.50
9/20/2018 8:00	25.70	7565	425	5.60
9/20/2018 9:00	49.10	6225	371	6.00
9/20/2018 10:00	62.60	4954	313	6.30
9/20/2018 11:00	62.10	5167	310	6.00
9/20/2018 12:00	61.80	5218	321	6.20
9/20/2018 13:00	62.10	5521	325	5.90
9/20/2018 14:00	63.40	6303	274	4.30
9/20/2018 15:00	64.80	6438	225	3.50
9/20/2018 16:00	66.20	5705	179	3.10
9/20/2018 17:00	67.70	5233	169	3.20
9/20/2018 18:00	67.70	4081	133	3.30
9/20/2018 19:00	66.00	3394	120	3.50
9/20/2018 20:00	66.70	2902	91	3.10
9/20/2018 21:00	65.80	2435	113	4.60
9/20/2018 22:00	67.10	1848	63	3.40
9/20/2018 23:00	67.50	1667	56	3.40
9/21/2018 0:00	66.80	1171	52	4.40
9/21/2018 1:00	65.70	623	40	6.40
9/21/2018 2:00	65.80	633	50	7.90
9/21/2018 3:00	66.30	923	69	7.50
9/21/2018 4:00	67.70	2338	101	4.30
9/21/2018 5:00	69.40	5900	188	3.20
9/21/2018 6:00	34.90	8029	302	3.80
9/21/2018 7:00	26.70	8036	479	6.00
9/21/2018 8:00	27.90	7224	501	6.90
9/21/2018 9:00	61.10	5920	349	5.90
9/21/2018 10:00	61.80	5289	348	6.60
9/21/2018 11:00	62.30	5332	320	6.00
9/21/2018 12:00	57.60	5802	321	5.50
9/21/2018 13:00	63.00	6163	307	5.00
9/21/2018 14:00	63.10	6045	268	4.40
9/21/2018 15:00	64.90	5582	223	4.00
9/21/2018 16:00	65.80	5084	168	3.30
9/21/2018 17:00	66.60	4869	161	3.30
9/21/2018 18:00	66.40	4235	148	3.50
9/21/2018 19:00	65.60	3616	127	3.50
9/21/2018 20:00	66.50	3118	110	3.50
9/21/2018 21:00	66.60	2652	83	3.10
9/21/2018 22:00	67.40	2096	65	3.10
9/21/2018 23:00	66.80	1740	44	2.50
9/22/2018 0:00	66.30	1048	32	3.10
9/22/2018 1:00	66.20	675	20	3.00
9/22/2018 2:00	66.50	706	30	4.20
9/22/2018 3:00	65.90	678	42	6.20
9/22/2018 4:00	66.50	1152	48	4.20
9/22/2018 5:00	67.80	1846	58	3.10
9/22/2018 6:00	65.30	2971	104	3.50
9/22/2018 7:00	65.90	3893	134	3.40
9/22/2018 8:00	65.60	4382	151	3.40



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/22/2018 9:00	65.10	4508	177	3.90
9/22/2018 10:00	65.10	4673	151	3.20
9/22/2018 11:00	65.00	5146	182	3.50
9/22/2018 12:00	51.80	5090	166	3.30
9/22/2018 13:00	64.80	5334	160	3.00
9/22/2018 14:00	65.60	5157	145	2.80
9/22/2018 15:00	65.70	4940	126	2.60
9/22/2018 16:00	66.00	4700	116	2.50
9/22/2018 17:00	66.00	4407	110	2.50
9/22/2018 18:00	65.90	3828	87	2.30
9/22/2018 19:00	65.10	3497	80	2.30
9/22/2018 20:00	66.00	3138	68	2.20
9/22/2018 21:00	67.60	2830	48	1.70
9/22/2018 22:00	66.70	2419	51	2.10
9/22/2018 23:00	66.70	2285	40	1.80
9/23/2018 0:00	67.20	1775	23	1.30
9/23/2018 1:00	66.50	1025	28	2.70
9/23/2018 2:00	66.90	768	14	1.80
9/23/2018 3:00	66.80	605	11	1.80
9/23/2018 4:00	66.50	617	21	3.40
9/23/2018 5:00	67.10	1034	28	2.70
9/23/2018 6:00	66.90	1678	35	2.10
9/23/2018 7:00	66.90	2245	66	2.90
9/23/2018 8:00	66.40	2827	82	2.90
9/23/2018 9:00	65.50	3537	105	3.00
9/23/2018 10:00	65.60	3851	110	2.90
9/23/2018 11:00	65.10	4245	144	3.40
9/23/2018 12:00	65.10	5047	141	2.80
9/23/2018 13:00	65.90	4724	119	2.50
9/23/2018 14:00	66.50	4545	93	2.00
9/23/2018 15:00	65.90	4435	118	2.70
9/23/2018 16:00	65.80	4210	96	2.30
9/23/2018 17:00	66.20	3990	100	2.50
9/23/2018 18:00	65.70	3748	90	2.40
9/23/2018 19:00	64.60	3762	112	3.00
9/23/2018 20:00	64.60	3192	82	2.60
9/23/2018 21:00	66.50	2707	63	2.30
9/23/2018 22:00	67.20	2407	61	2.50
9/23/2018 23:00	67.80	2362	54	2.30
9/24/2018 0:00	67.40	1198	21	1.80
9/24/2018 1:00	64.50	663	41	6.20
9/24/2018 2:00	65.70	659	39	5.90
9/24/2018 3:00	65.00	927	53	5.70
9/24/2018 4:00	67.80	2533	87	3.40
9/24/2018 5:00	66.30	6233	179	2.90
9/24/2018 6:00	33.70	7569	373	4.90
9/24/2018 7:00	31.70	7832	431	5.50
9/24/2018 8:00	23.00	7197	434	6.00
9/24/2018 9:00	53.50	5835	319	5.50
9/24/2018 10:00	59.20	4813	312	6.50
9/24/2018 11:00	59.10	4675	346	7.40
9/24/2018 12:00	59.30	4909	325	6.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/24/2018 13:00	61.50	5399	270	5.00
9/24/2018 14:00	62.90	5796	260	4.50
9/24/2018 15:00	63.00	6055	227	3.70
9/24/2018 16:00	63.60	5645	208	3.70
9/24/2018 17:00	64.90	5163	158	3.10
9/24/2018 18:00	64.80	3949	135	3.40
9/24/2018 19:00	63.60	3174	116	3.70
9/24/2018 20:00	64.60	2469	92	3.70
9/24/2018 21:00	63.70	2168	107	4.90
9/24/2018 22:00	65.70	1452	53	3.70
9/24/2018 23:00	65.70	955	34	3.60
9/25/2018 0:00	65.60	583	32	5.50
9/25/2018 1:00	65.00	428	32	7.50
9/25/2018 2:00	66.10	507	39	7.70
9/25/2018 3:00	66.90	915	53	5.80
9/25/2018 4:00	67.90	2474	104	4.20
9/25/2018 5:00	69.20	6368	185	2.90
9/25/2018 6:00	27.60	7120	329	4.60
9/25/2018 7:00	24.80	7776	361	4.60
9/25/2018 8:00	24.50	7387	400	5.40
9/25/2018 9:00	39.90	6794	427	6.30
9/25/2018 10:00	61.80	4872	325	6.70
9/25/2018 11:00	61.50	4733	317	6.70
9/25/2018 12:00	63.00	4994	292	5.80
9/25/2018 13:00	62.80	5483	311	5.70
9/25/2018 14:00	63.90	5916	270	4.60
9/25/2018 15:00	65.20	6185	226	3.70
9/25/2018 16:00	65.50	5905	207	3.50
9/25/2018 17:00	66.60	5198	188	3.60
9/25/2018 18:00	66.00	4094	159	3.90
9/25/2018 19:00	66.00	3484	125	3.60
9/25/2018 20:00	66.70	2557	91	3.60
9/25/2018 21:00	66.40	2232	88	3.90
9/25/2018 22:00	64.80	1638	76	4.60
9/25/2018 23:00	66.40	1197	53	4.40
9/26/2018 0:00	65.50	640	44	6.90
9/26/2018 1:00	65.40	399	23	5.80
9/26/2018 2:00	66.30	563	34	6.00
9/26/2018 3:00	66.90	810	46	5.70
9/26/2018 4:00	68.50	2419	93	3.80
9/26/2018 5:00	68.50	6089	192	3.20
9/26/2018 6:00	30.80	7750	280	3.60
9/26/2018 7:00	24.60	7586	438	5.80
9/26/2018 8:00	25.30	7589	417	5.50
9/26/2018 9:00	30.50	6329	395	6.20
9/26/2018 10:00	62.20	4890	314	6.40
9/26/2018 11:00	62.10	4859	315	6.50
9/26/2018 12:00	62.70	5243	315	6.00
9/26/2018 13:00	62.10	5631	360	6.40
9/26/2018 14:00	64.20	5940	271	4.60
9/26/2018 15:00	64.60	5987	239	4.00
9/26/2018 16:00	66.60	5480	181	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/26/2018 17:00	67.50	5214	159	3.00
9/26/2018 18:00	66.60	4314	142	3.30
9/26/2018 19:00	66.40	3287	120	3.70
9/26/2018 20:00	66.80	2669	96	3.60
9/26/2018 21:00	66.80	2387	73	3.10
9/26/2018 22:00	66.80	1848	67	3.60
9/26/2018 23:00	66.30	1449	51	3.50
9/27/2018 0:00	66.30	729	36	4.90
9/27/2018 1:00	66.10	525	23	4.40
9/27/2018 2:00	66.60	554	35	6.30
9/27/2018 3:00	66.70	859	51	5.90
9/27/2018 4:00	68.00	2531	92	3.60
9/27/2018 5:00	69.00	6250	176	2.80
9/27/2018 6:00	33.30	7899	354	4.50
9/27/2018 7:00	25.20	7761	560	7.20
9/27/2018 8:00	24.80	7440	433	5.80
9/27/2018 9:00	39.50	6363	369	5.80
9/27/2018 10:00	61.70	5219	352	6.70
9/27/2018 11:00	62.00	4905	327	6.70
9/27/2018 12:00	61.80	5415	327	6.00
9/27/2018 13:00	62.10	5470	307	5.60
9/27/2018 14:00	63.80	6147	255	4.10
9/27/2018 15:00	64.40	6241	231	3.70
9/27/2018 16:00	65.80	5529	178	3.20
9/27/2018 17:00	66.70	5170	151	2.90
9/27/2018 18:00	61.40	4202	118	2.80
9/27/2018 19:00	55.80	3278	91	2.80
9/27/2018 20:00	59.30	2852	123	4.30
9/27/2018 21:00	64.90	2476	109	4.40
9/27/2018 22:00	65.00	1730	80	4.60
9/27/2018 23:00	64.20	1205	59	4.90
9/28/2018 0:00	65.60	963	43	4.50
9/28/2018 1:00	67.10	773	39	5.00
9/28/2018 2:00	66.50	673	48	7.10
9/28/2018 3:00	66.90	884	57	6.40
9/28/2018 4:00	67.60	2523	106	4.20
9/28/2018 5:00	68.60	5992	181	3.00
9/28/2018 6:00	32.80	7880	321	4.10
9/28/2018 7:00	25.00	7743	517	6.70
9/28/2018 8:00	28.90	7203	501	7.00
9/28/2018 9:00	61.10	5867	328	5.60
9/28/2018 10:00	61.40	5389	339	6.30
9/28/2018 11:00	62.00	5553	342	6.20
9/28/2018 12:00	62.10	5783	324	5.60
9/28/2018 13:00	62.10	6238	327	5.20
9/28/2018 14:00	63.60	6511	273	4.20
9/28/2018 15:00	63.90	5896	236	4.00
9/28/2018 16:00	65.30	5118	166	3.20
9/28/2018 17:00	66.60	4664	144	3.10
9/28/2018 18:00	66.50	4155	132	3.20
9/28/2018 19:00	66.30	3723	112	3.00
9/28/2018 20:00	66.80	2910	97	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/28/2018 21:00	67.00	2474	76	3.10
9/28/2018 22:00	66.70	2295	69	3.00
9/28/2018 23:00	67.00	1685	40	2.40
9/29/2018 0:00	66.40	1190	38	3.20
9/29/2018 1:00	65.90	741	22	3.00
9/29/2018 2:00	66.50	708	33	4.70
9/29/2018 3:00	66.80	672	35	5.20
9/29/2018 4:00	67.80	1147	43	3.70
9/29/2018 5:00	68.00	1684	47	2.80
9/29/2018 6:00	65.60	2978	111	3.70
9/29/2018 7:00	66.80	3878	130	3.40
9/29/2018 8:00	66.00	4545	173	3.80
9/29/2018 9:00	64.40	4592	206	4.50
9/29/2018 10:00	63.80	5106	199	3.90
9/29/2018 11:00	64.60	5308	186	3.50
9/29/2018 12:00	65.20	5489	201	3.70
9/29/2018 13:00	65.90	5387	161	3.00
9/29/2018 14:00	66.90	5329	149	2.80
9/29/2018 15:00	67.30	5068	130	2.60
9/29/2018 16:00	67.30	4874	127	2.60
9/29/2018 17:00	67.90	4502	110	2.40
9/29/2018 18:00	66.20	4121	97	2.40
9/29/2018 19:00	66.20	3662	96	2.60
9/29/2018 20:00	67.40	3580	80	2.20
9/29/2018 21:00	67.70	3152	67	2.10
9/29/2018 22:00	67.20	2554	51	2.00
9/29/2018 23:00	66.90	1930	42	2.20
9/30/2018 0:00	66.80	1367	27	2.00
9/30/2018 1:00	67.30	1054	18	1.70
9/30/2018 2:00	66.70	762	16	2.10
9/30/2018 3:00	66.80	533	6	1.10
9/30/2018 4:00	66.40	626	23	3.70
9/30/2018 5:00	67.30	1136	37	3.30
9/30/2018 6:00	67.40	1717	37	2.20
9/30/2018 7:00	67.50	2502	63	2.50
9/30/2018 8:00	67.10	3185	77	2.40
9/30/2018 9:00	66.40	3722	109	2.90
9/30/2018 10:00	65.50	4120	118	2.90
9/30/2018 11:00	65.90	4584	135	2.90
9/30/2018 12:00	65.30	5129	139	2.70
9/30/2018 13:00	65.40	5087	152	3.00
9/30/2018 14:00	65.30	5029	139	2.80
9/30/2018 15:00	66.20	4652	114	2.50
9/30/2018 16:00	66.00	4566	90	2.00
9/30/2018 17:00	66.40	4304	99	2.30
9/30/2018 18:00	65.60	3991	106	2.70
9/30/2018 19:00	63.90	3693	118	3.20
9/30/2018 20:00	64.80	2900	69	2.40
9/30/2018 21:00	67.30	2464	46	1.90
9/30/2018 22:00	67.30	1718	48	2.80
9/30/2018 23:00	66.80	1227	29	2.40
10/01/2018 0:00	66.80	899	30	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/01/2018 1:00	66.70	672	25	3.70
10/01/2018 2:00	66.40	701	41	5.80
10/01/2018 3:00	68.00	1048	44	4.20
10/01/2018 4:00	67.90	2473	103	4.20
10/01/2018 5:00	69.30	6230	166	2.70
10/01/2018 6:00	30.20	7845	291	3.70
10/01/2018 7:00	24.20	7517	478	6.40
10/01/2018 8:00	25.10	7453	463	6.20
10/01/2018 9:00	45.60	6234	393	6.30
10/01/2018 10:00	62.80	4877	298	6.10
10/01/2018 11:00	62.40	4740	308	6.50
10/01/2018 12:00	62.00	4993	298	6.00
10/01/2018 13:00	62.60	5399	314	5.80
10/01/2018 14:00	63.70	5798	282	4.90
10/01/2018 15:00	64.80	6065	211	3.50
10/01/2018 16:00	65.80	5660	181	3.20
10/01/2018 17:00	65.90	5286	193	3.70
10/01/2018 18:00	66.40	4082	154	3.80
10/01/2018 19:00	65.60	3271	122	3.70
10/01/2018 20:00	66.50	2625	82	3.10
10/01/2018 21:00	67.10	2154	76	3.50
10/01/2018 22:00	66.90	1451	65	4.50
10/01/2018 23:00	66.70	934	32	3.40
10/02/2018 0:00	66.20	606	36	5.90
10/02/2018 1:00	66.60	451	24	5.30
10/02/2018 2:00	66.90	470	27	5.70
10/02/2018 3:00	66.10	880	66	7.50
10/02/2018 4:00	68.90	2495	98	3.90
10/02/2018 5:00	69.00	6342	189	3.00
10/02/2018 6:00	30.70	7817	280	3.60
10/02/2018 7:00	25.70	7983	413	5.20
10/02/2018 8:00	25.50	7481	392	5.20
10/02/2018 9:00	52.00	6100	342	5.60
10/02/2018 10:00	61.40	4759	322	6.80
10/02/2018 11:00	61.00	4723	317	6.70
10/02/2018 12:00	63.00	4818	270	5.60
10/02/2018 13:00	63.90	5488	299	5.40
10/02/2018 14:00	64.10	5944	307	5.20
10/02/2018 15:00	65.10	6009	231	3.80
10/02/2018 16:00	67.00	5792	172	3.00
10/02/2018 17:00	67.90	5329	152	2.90
10/02/2018 18:00	67.30	4107	156	3.80
10/02/2018 19:00	65.70	3328	140	4.20
10/02/2018 20:00	66.30	2642	117	4.40
10/02/2018 21:00	66.70	2319	93	4.00
10/02/2018 22:00	66.80	1897	81	4.30
10/02/2018 23:00	67.40	1094	35	3.20
10/03/2018 0:00	65.80	637	38	6.00
10/03/2018 1:00	65.40	473	37	7.80
10/03/2018 2:00	66.00	451	34	7.50
10/03/2018 3:00	66.00	852	59	6.90
10/03/2018 4:00	67.60	2441	115	4.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/03/2018 5:00	65.90	6416	185	2.90
10/03/2018 6:00	26.80	7534	325	4.30
10/03/2018 7:00	24.40	7721	462	6.00
10/03/2018 8:00	27.70	7731	535	6.90
10/03/2018 9:00	53.30	6230	342	5.50
10/03/2018 10:00	62.80	4849	322	6.60
10/03/2018 11:00	62.50	4807	312	6.50
10/03/2018 12:00	63.10	5006	290	5.80
10/03/2018 13:00	63.50	5511	287	5.20
10/03/2018 14:00	63.80	6072	298	4.90
10/03/2018 15:00	65.00	6136	241	3.90
10/03/2018 16:00	66.90	5748	170	3.00
10/03/2018 17:00	67.20	5489	177	3.20
10/03/2018 18:00	66.50	4294	160	3.70
10/03/2018 19:00	66.60	3237	126	3.90
10/03/2018 20:00	66.60	2646	101	3.80
10/03/2018 21:00	66.70	2324	79	3.40
10/03/2018 22:00	66.70	1489	50	3.40
10/03/2018 23:00	65.80	993	39	3.90
10/04/2018 0:00	64.10	1005	5	0.50
10/04/2018 1:00	63.40	808	0	0.00
10/04/2018 2:00	63.80	888	2	0.20
10/04/2018 3:00	64.10	1132	7	0.60
10/04/2018 4:00	65.10	2395	52	2.20
10/04/2018 5:00	65.80	4838	154	3.20
10/04/2018 6:00	39.80	5506	180	3.30
10/04/2018 7:00	33.50	5502	169	3.10
10/04/2018 8:00	32.80	5361	164	3.10
10/04/2018 9:00	31.10	4898	148	3.00
10/04/2018 10:00	52.40	4455	139	3.10
10/04/2018 11:00	58.20	4591	142	3.10
10/04/2018 12:00	59.40	4625	144	3.10
10/04/2018 13:00	59.90	4910	159	3.20
10/04/2018 14:00	59.90	5101	167	3.30
10/04/2018 15:00	63.40	5629	196	3.50
10/04/2018 16:00	65.80	5646	192	3.40
10/04/2018 17:00	66.60	5163	171	3.30
10/04/2018 18:00	11.70	3025	154	5.10
10/04/2018 19:00	15.40	3131	152	4.90
10/04/2018 20:00	66.00	2702	108	4.00
10/04/2018 21:00	67.10	2457	91	3.70
10/04/2018 22:00	67.10	1908	65	3.40
10/04/2018 23:00	66.60	1215	44	3.60
10/05/2018 0:00	64.80	712	43	6.00
10/05/2018 1:00	65.40	568	40	7.00
10/05/2018 2:00	66.30	604	39	6.50
10/05/2018 3:00	65.60	885	60	6.80
10/05/2018 4:00	66.30	2363	116	4.90
10/05/2018 5:00	68.60	6127	200	3.30
10/05/2018 6:00	33.90	7803	391	5.00
10/05/2018 7:00	25.30	7676	463	6.00
10/05/2018 8:00	27.70	6924	446	6.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/05/2018 9:00	61.50	5882	356	6.10
10/05/2018 10:00	62.70	5215	276	5.30
10/05/2018 11:00	62.40	5177	328	6.30
10/05/2018 12:00	62.10	5898	333	5.60
10/05/2018 13:00	62.50	6162	332	5.40
10/05/2018 14:00	62.70	6316	298	4.70
10/05/2018 15:00	64.70	5940	203	3.40
10/05/2018 16:00	66.10	5053	162	3.20
10/05/2018 17:00	67.00	4954	168	3.40
10/05/2018 18:00	66.00	4139	119	2.90
10/05/2018 19:00	66.60	3584	119	3.30
10/05/2018 20:00	67.20	2842	91	3.20
10/05/2018 21:00	66.40	2567	85	3.30
10/05/2018 22:00	66.30	2065	78	3.80
10/05/2018 23:00	67.60	1655	44	2.70
10/06/2018 0:00	66.00	1112	39	3.50
10/06/2018 1:00	65.90	770	22	2.90
10/06/2018 2:00	67.30	621	25	4.00
10/06/2018 3:00	66.50	643	28	4.40
10/06/2018 4:00	66.40	1124	53	4.70
10/06/2018 5:00	66.40	1924	75	3.90
10/06/2018 6:00	66.10	2776	91	3.30
10/06/2018 7:00	66.20	3791	136	3.60
10/06/2018 8:00	66.00	4282	148	3.50
10/06/2018 9:00	64.40	4497	179	4.00
10/06/2018 10:00	65.00	4575	182	4.00
10/06/2018 11:00	65.20	4765	195	4.10
10/06/2018 12:00	66.20	5014	170	3.40
10/06/2018 13:00	65.50	5127	179	3.50
10/06/2018 14:00	67.00	5260	145	2.80
10/06/2018 15:00	66.40	5104	145	2.80
10/06/2018 16:00	67.20	4993	117	2.30
10/06/2018 17:00	68.20	4493	96	2.10
10/06/2018 18:00	67.90	4088	90	2.20
10/06/2018 19:00	66.50	3339	88	2.60
10/06/2018 20:00	67.30	2784	51	1.80
10/06/2018 21:00	67.60	2490	51	2.00
10/06/2018 22:00	67.30	2566	52	2.00
10/06/2018 23:00	67.50	1694	30	1.80
10/07/2018 0:00	67.20	1308	23	1.80
10/07/2018 1:00	67.30	925	12	1.30
10/07/2018 2:00	66.70	800	10	1.30
10/07/2018 3:00	67.00	614	5	0.80
10/07/2018 4:00	66.40	602	23	3.80
10/07/2018 5:00	66.90	992	31	3.10
10/07/2018 6:00	67.00	1543	42	2.70
10/07/2018 7:00	68.00	2244	58	2.60
10/07/2018 8:00	66.90	2927	89	3.00
10/07/2018 9:00	66.90	3388	77	2.30
10/07/2018 10:00	66.00	3935	102	2.60
10/07/2018 11:00	65.60	4267	117	2.70
10/07/2018 12:00	65.50	4718	124	2.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/07/2018 13:00	65.80	4595	120	2.60
10/07/2018 14:00	65.80	4437	111	2.50
10/07/2018 15:00	66.30	4263	80	1.90
10/07/2018 16:00	66.40	4208	96	2.30
10/07/2018 17:00	66.00	3970	87	2.20
10/07/2018 18:00	65.40	3833	97	2.50
10/07/2018 19:00	64.90	3510	77	2.20
10/07/2018 20:00	65.30	3117	72	2.30
10/07/2018 21:00	67.10	2562	52	2.00
10/07/2018 22:00	67.80	1983	46	2.30
10/07/2018 23:00	66.90	1358	34	2.50
10/08/2018 0:00	66.10	918	31	3.40
10/08/2018 1:00	66.20	697	26	3.70
10/08/2018 2:00	67.10	745	31	4.20
10/08/2018 3:00	67.20	950	44	4.60
10/08/2018 4:00	67.70	2315	91	3.90
10/08/2018 5:00	68.50	5738	172	3.00
10/08/2018 6:00	29.80	7664	313	4.10
10/08/2018 7:00	26.20	7946	509	6.40
10/08/2018 8:00	49.00	6433	312	4.80
10/08/2018 9:00	61.80	5661	379	6.70
10/08/2018 10:00	61.90	4785	302	6.30
10/08/2018 11:00	62.20	4619	294	6.40
10/08/2018 12:00	61.80	4960	315	6.40
10/08/2018 13:00	61.80	5212	300	5.80
10/08/2018 14:00	63.40	5416	262	4.80
10/08/2018 15:00	65.10	5529	207	3.70
10/08/2018 16:00	66.80	4868	164	3.40
10/08/2018 17:00	66.90	4782	154	3.20
10/08/2018 18:00	66.30	3899	128	3.30
10/08/2018 19:00	66.90	3245	94	2.90
10/08/2018 20:00	66.60	2791	96	3.40
10/08/2018 21:00	67.30	2420	72	3.00
10/08/2018 22:00	68.10	1701	58	3.40
10/08/2018 23:00	66.30	1075	38	3.50
10/09/2018 0:00	65.20	656	44	6.70
10/09/2018 1:00	65.90	464	36	7.80
10/09/2018 2:00	66.20	525	39	7.40
10/09/2018 3:00	67.30	878	57	6.50
10/09/2018 4:00	68.10	2414	93	3.90
10/09/2018 5:00	61.50	6277	174	2.80
10/09/2018 6:00	26.20	7651	345	4.50
10/09/2018 7:00	25.70	7867	477	6.10
10/09/2018 8:00	24.60	7426	417	5.60
10/09/2018 9:00	41.40	6592	403	6.10
10/09/2018 10:00	61.80	4933	340	6.90
10/09/2018 11:00	61.60	4721	321	6.80
10/09/2018 12:00	62.40	5138	301	5.90
10/09/2018 13:00	62.90	5444	310	5.70
10/09/2018 14:00	63.80	5891	252	4.30
10/09/2018 15:00	64.30	6210	241	3.90
10/09/2018 16:00	65.70	5702	183	3.20



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/09/2018 17:00	67.10	5177	144	2.80
10/09/2018 18:00	66.20	4344	140	3.20
10/09/2018 19:00	65.60	3625	140	3.90
10/09/2018 20:00	67.10	2910	117	4.00
10/09/2018 21:00	66.40	2480	100	4.00
10/09/2018 22:00	66.00	1679	76	4.50
10/09/2018 23:00	66.50	1027	46	4.50
10/10/2018 0:00	65.70	633	37	5.80
10/10/2018 1:00	65.90	468	29	6.20
10/10/2018 2:00	67.00	492	22	4.50
10/10/2018 3:00	66.70	878	53	6.00
10/10/2018 4:00	67.60	2428	112	4.60
10/10/2018 5:00	69.20	6415	220	3.40
10/10/2018 6:00	32.80	7952	332	4.20
10/10/2018 7:00	25.50	7832	487	6.20
10/10/2018 8:00	24.00	7150	419	5.90
10/10/2018 9:00	32.90	6695	402	6.00
10/10/2018 10:00	62.50	4963	311	6.30
10/10/2018 11:00	62.40	4804	311	6.50
10/10/2018 12:00	61.30	5083	338	6.60
10/10/2018 13:00	62.40	5498	322	5.90
10/10/2018 14:00	63.60	6105	277	4.50
10/10/2018 15:00	64.30	6342	238	3.80
10/10/2018 16:00	65.90	5750	180	3.10
10/10/2018 17:00	67.20	5426	171	3.20
10/10/2018 18:00	66.40	4254	166	3.90
10/10/2018 19:00	66.80	3463	117	3.40
10/10/2018 20:00	67.80	3021	98	3.20
10/10/2018 21:00	66.10	2442	79	3.20
10/10/2018 22:00	66.80	1708	74	4.30
10/10/2018 23:00	66.70	1154	41	3.60
10/11/2018 0:00	65.90	796	40	5.00
10/11/2018 1:00	65.80	523	33	6.30
10/11/2018 2:00	66.90	498	28	5.60
10/11/2018 3:00	67.30	932	66	7.10
10/11/2018 4:00	67.90	2432	104	4.30
10/11/2018 5:00	69.30	6408	181	2.80
10/11/2018 6:00	31.30	7850	337	4.30
10/11/2018 7:00	24.60	7770	475	6.10
10/11/2018 8:00	22.00	7116	339	4.80
10/11/2018 9:00	43.30	6254	394	6.30
10/11/2018 10:00	62.10	4857	319	6.60
10/11/2018 11:00	62.80	4991	290	5.80
10/11/2018 12:00	63.30	5154	298	5.80
10/11/2018 13:00	62.20	5563	342	6.10
10/11/2018 14:00	63.90	6205	283	4.60
10/11/2018 15:00	64.50	6314	225	3.60
10/11/2018 16:00	66.30	5626	175	3.10
10/11/2018 17:00	66.80	5257	164	3.10
10/11/2018 18:00	66.90	4233	144	3.40
10/11/2018 19:00	66.50	3474	123	3.50
10/11/2018 20:00	66.60	2739	123	4.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/11/2018 21:00	66.90	2476	85	3.40
10/11/2018 22:00	66.50	1783	78	4.40
10/11/2018 23:00	66.70	1148	49	4.30
10/12/2018 0:00	65.90	701	32	4.60
10/12/2018 1:00	66.10	540	25	4.60
10/12/2018 2:00	66.90	577	36	6.20
10/12/2018 3:00	68.00	924	49	5.30
10/12/2018 4:00	68.80	2397	100	4.20
10/12/2018 5:00	68.90	6244	211	3.40
10/12/2018 6:00	34.10	7996	327	4.10
10/12/2018 7:00	26.30	7876	550	7.00
10/12/2018 8:00	27.70	7213	443	6.10
10/12/2018 9:00	60.60	5939	345	5.80
10/12/2018 10:00	62.20	5110	301	5.90
10/12/2018 11:00	60.40	5220	321	6.10
10/12/2018 12:00	61.70	5783	337	5.80
10/12/2018 13:00	61.90	6241	337	5.40
10/12/2018 14:00	63.30	6419	281	4.40
10/12/2018 15:00	63.70	6136	251	4.10
10/12/2018 16:00	65.50	5314	185	3.50
10/12/2018 17:00	66.40	5108	150	2.90
10/12/2018 18:00	65.60	4143	126	3.00
10/12/2018 19:00	63.80	3388	120	3.50
10/12/2018 20:00	62.30	2967	112	3.80
10/12/2018 21:00	61.70	2411	94	3.90
10/12/2018 22:00	60.20	2235	91	4.10
10/12/2018 23:00	59.70	2000	54	2.70
10/13/2018 0:00	64.50	1169	32	2.70
10/13/2018 1:00	65.70	786	20	2.50
10/13/2018 2:00	65.30	655	35	5.30
10/13/2018 3:00	66.30	633	32	5.10
10/13/2018 4:00	66.30	1055	58	5.50
10/13/2018 5:00	67.00	1749	73	4.20
10/13/2018 6:00	66.50	2820	81	2.90
10/13/2018 7:00	66.10	3780	131	3.50
10/13/2018 8:00	66.20	4288	131	3.10
10/13/2018 9:00	65.20	4316	166	3.80
10/13/2018 10:00	65.10	4495	170	3.80
10/13/2018 11:00	63.90	4765	174	3.70
10/13/2018 12:00	64.50	5106	180	3.50
10/13/2018 13:00	65.10	5141	165	3.20
10/13/2018 14:00	66.20	4925	159	3.20
10/13/2018 15:00	66.50	4946	136	2.70
10/13/2018 16:00	66.30	4822	150	3.10
10/13/2018 17:00	67.10	4215	99	2.30
10/13/2018 18:00	66.40	3953	106	2.70
10/13/2018 19:00	66.00	3187	73	2.30
10/13/2018 20:00	67.30	2885	72	2.50
10/13/2018 21:00	67.10	2610	51	2.00
10/13/2018 22:00	67.70	2377	46	1.90
10/13/2018 23:00	67.20	1718	28	1.60
10/14/2018 0:00	67.00	1301	27	2.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/14/2018 1:00	66.20	921	21	2.30
10/14/2018 2:00	66.30	629	8	1.30
10/14/2018 3:00	66.40	529	12	2.30
10/14/2018 4:00	66.40	552	21	3.80
10/14/2018 5:00	67.10	1030	35	3.40
10/14/2018 6:00	67.00	1701	44	2.60
10/14/2018 7:00	68.00	2257	55	2.40
10/14/2018 8:00	67.20	2905	74	2.50
10/14/2018 9:00	66.70	3595	94	2.60
10/14/2018 10:00	65.40	3940	133	3.40
10/14/2018 11:00	65.20	4219	143	3.40
10/14/2018 12:00	65.00	4704	153	3.30
10/14/2018 13:00	65.30	4848	146	3.00
10/14/2018 14:00	65.90	4418	96	2.20
10/14/2018 15:00	65.80	4596	118	2.60
10/14/2018 16:00	65.90	4264	102	2.40
10/14/2018 17:00	66.00	4026	94	2.30
10/14/2018 18:00	65.30	3720	87	2.30
10/14/2018 19:00	65.70	3325	79	2.40
10/14/2018 20:00	65.70	2762	67	2.40
10/14/2018 21:00	67.20	2222	33	1.50
10/14/2018 22:00	67.20	1652	39	2.40
10/14/2018 23:00	66.50	1205	31	2.60
10/15/2018 0:00	66.80	791	25	3.20
10/15/2018 1:00	66.50	579	20	3.50
10/15/2018 2:00	66.40	611	25	4.10
10/15/2018 3:00	66.40	1017	58	5.70
10/15/2018 4:00	68.20	2433	99	4.10
10/15/2018 5:00	68.70	6199	187	3.00
10/15/2018 6:00	33.10	7821	326	4.20
10/15/2018 7:00	25.40	7756	468	6.00
10/15/2018 8:00	24.90	7210	507	7.00
10/15/2018 9:00	41.90	6127	427	7.00
10/15/2018 10:00	62.30	4832	317	6.60
10/15/2018 11:00	61.70	4748	299	6.30
10/15/2018 12:00	62.10	4996	301	6.00
10/15/2018 13:00	62.90	5421	303	5.60
10/15/2018 14:00	63.50	5936	301	5.10
10/15/2018 15:00	64.90	6061	232	3.80
10/15/2018 16:00	65.50	5728	213	3.70
10/15/2018 17:00	66.40	5332	177	3.30
10/15/2018 18:00	66.30	4128	146	3.50
10/15/2018 19:00	65.40	3149	133	4.20
10/15/2018 20:00	65.90	2507	105	4.20
10/15/2018 21:00	66.40	2274	84	3.70
10/15/2018 22:00	67.20	1585	57	3.60
10/15/2018 23:00	66.90	1107	43	3.90
10/16/2018 0:00	67.00	787	44	5.60
10/16/2018 1:00	66.40	491	27	5.50
10/16/2018 2:00	66.70	513	42	8.20
10/16/2018 3:00	67.80	886	50	5.60
10/16/2018 4:00	67.60	2424	103	4.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/16/2018 5:00	69.20	6403	193	3.00
10/16/2018 6:00	29.80	7706	296	3.80
10/16/2018 7:00	27.40	8048	343	4.30
10/16/2018 8:00	19.90	6410	371	5.80
10/16/2018 9:00	31.30	6417	302	4.70
10/16/2018 10:00	61.10	5263	369	7.00
10/16/2018 11:00	61.60	4801	330	6.90
10/16/2018 12:00	61.90	5078	325	6.40
10/16/2018 13:00	61.70	5527	335	6.10
10/16/2018 14:00	63.40	5989	278	4.60
10/16/2018 15:00	64.60	5964	240	4.00
10/16/2018 16:00	65.90	5579	183	3.30
10/16/2018 17:00	66.90	5010	163	3.30
10/16/2018 18:00	66.70	3889	119	3.10
10/16/2018 19:00	66.70	3555	131	3.70
10/16/2018 20:00	66.60	2898	112	3.90
10/16/2018 21:00	66.20	2411	118	4.90
10/16/2018 22:00	67.00	1640	74	4.50
10/16/2018 23:00	67.60	1095	33	3.00
10/17/2018 0:00	66.70	674	36	5.30
10/17/2018 1:00	65.90	426	30	7.00
10/17/2018 2:00	66.40	507	31	6.10
10/17/2018 3:00	66.30	869	63	7.20
10/17/2018 4:00	67.30	2364	106	4.50
10/17/2018 5:00	69.20	6314	188	3.00
10/17/2018 6:00	29.30	7798	224	2.90
10/17/2018 7:00	25.70	7951	383	4.80
10/17/2018 8:00	23.90	7126	394	5.50
10/17/2018 9:00	39.80	6514	429	6.60
10/17/2018 10:00	63.00	4717	275	5.80
10/17/2018 11:00	62.80	4796	295	6.20
10/17/2018 12:00	62.00	5176	305	5.90
10/17/2018 13:00	61.70	5558	321	5.80
10/17/2018 14:00	62.80	6060	303	5.00
10/17/2018 15:00	64.40	5982	219	3.70
10/17/2018 16:00	65.10	5657	198	3.50
10/17/2018 17:00	66.10	5349	169	3.20
10/17/2018 18:00	66.80	4168	134	3.20
10/17/2018 19:00	66.70	3369	112	3.30
10/17/2018 20:00	67.10	2637	91	3.50
10/17/2018 21:00	64.90	2376	116	4.90
10/17/2018 22:00	66.80	1750	62	3.50
10/17/2018 23:00	67.50	1486	53	3.60
10/18/2018 0:00	67.10	716	31	4.30
10/18/2018 1:00	66.20	481	28	5.80
10/18/2018 2:00	66.00	568	48	8.50
10/18/2018 3:00	66.20	936	68	7.30
10/18/2018 4:00	68.00	2322	103	4.40
10/18/2018 5:00	69.50	6438	195	3.00
10/18/2018 6:00	27.30	7569	318	4.20
10/18/2018 7:00	28.70	8171	521	6.40
10/18/2018 8:00	23.50	7077	369	5.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/18/2018 9:00	29.70	6863	371	5.40
10/18/2018 10:00	63.10	5294	326	6.20
10/18/2018 11:00	63.40	4973	302	6.10
10/18/2018 12:00	63.20	5253	316	6.00
10/18/2018 13:00	62.80	5502	309	5.60
10/18/2018 14:00	63.80	6052	297	4.90
10/18/2018 15:00	65.30	6268	220	3.50
10/18/2018 16:00	66.30	5591	215	3.80
10/18/2018 17:00	67.30	5045	146	2.90
10/18/2018 18:00	66.60	4126	156	3.80
10/18/2018 19:00	66.80	3339	121	3.60
10/18/2018 20:00	67.60	2765	119	4.30
10/18/2018 21:00	67.70	2477	103	4.20
10/18/2018 22:00	66.80	1987	78	3.90
10/18/2018 23:00	66.80	1233	51	4.10
10/19/2018 0:00	66.50	770	37	4.80
10/19/2018 1:00	65.10	571	42	7.40
10/19/2018 2:00	66.40	575	36	6.30
10/19/2018 3:00	67.00	923	50	5.40
10/19/2018 4:00	67.30	2314	128	5.50
10/19/2018 5:00	69.50	5914	194	3.30
10/19/2018 6:00	32.30	7544	423	5.60
10/19/2018 7:00	26.50	7845	501	6.40
10/19/2018 8:00	25.80	6959	359	5.20
10/19/2018 9:00	60.70	6162	359	5.80
10/19/2018 10:00	61.40	5513	368	6.70
10/19/2018 11:00	62.30	5492	357	6.50
10/19/2018 12:00	62.00	5943	331	5.60
10/19/2018 13:00	63.30	6261	321	5.10
10/19/2018 14:00	63.50	6304	279	4.40
10/19/2018 15:00	64.40	5771	217	3.80
10/19/2018 16:00	65.50	4999	176	3.50
10/19/2018 17:00	66.30	4691	166	3.50
10/19/2018 18:00	66.60	4409	157	3.60
10/19/2018 19:00	66.30	3597	126	3.50
10/19/2018 20:00	66.90	2879	105	3.60
10/19/2018 21:00	67.10	2613	99	3.80
10/19/2018 22:00	68.10	2014	48	2.40
10/19/2018 23:00	66.80	1438	46	3.20
10/20/2018 0:00	66.00	1054	43	4.10
10/20/2018 1:00	65.60	743	33	4.40
10/20/2018 2:00	64.60	639	40	6.30
10/20/2018 3:00	66.30	718	35	4.90
10/20/2018 4:00	68.10	1109	36	3.20
10/20/2018 5:00	66.60	1873	82	4.40
10/20/2018 6:00	66.00	2944	98	3.30
10/20/2018 7:00	64.80	3828	132	3.40
10/20/2018 8:00	65.70	4500	160	3.60
10/20/2018 9:00	64.20	4695	217	4.60
10/20/2018 10:00	65.20	4978	198	4.00
10/20/2018 11:00	65.60	5137	182	3.50
10/20/2018 12:00	65.20	5509	181	3.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/20/2018 13:00	65.50	5366	183	3.40
10/20/2018 14:00	65.30	5306	183	3.40
10/20/2018 15:00	66.80	5053	135	2.70
10/20/2018 16:00	67.00	4579	110	2.40
10/20/2018 17:00	66.50	4239	97	2.30
10/20/2018 18:00	65.70	4021	111	2.80
10/20/2018 19:00	66.10	3493	87	2.50
10/20/2018 20:00	66.40	2959	64	2.20
10/20/2018 21:00	66.50	2672	54	2.00
10/20/2018 22:00	67.60	2479	44	1.80
10/20/2018 23:00	66.80	1845	36	2.00
10/21/2018 0:00	66.30	1357	35	2.60
10/21/2018 1:00	66.60	960	16	1.70
10/21/2018 2:00	66.70	764	14	1.80
10/21/2018 3:00	66.10	686	17	2.50
10/21/2018 4:00	66.70	685	21	3.10
10/21/2018 5:00	67.50	1168	33	2.80
10/21/2018 6:00	67.00	1773	40	2.30
10/21/2018 7:00	67.30	2308	62	2.70
10/21/2018 8:00	66.70	3109	81	2.60
10/21/2018 9:00	65.70	3889	116	3.00
10/21/2018 10:00	65.20	4151	125	3.00
10/21/2018 11:00	64.80	4322	143	3.30
10/21/2018 12:00	65.90	5012	129	2.60
10/21/2018 13:00	65.60	4868	115	2.40
10/21/2018 14:00	65.00	4612	112	2.40
10/21/2018 15:00	63.30	4555	99	2.20
10/21/2018 16:00	66.50	4467	116	2.60
10/21/2018 17:00	66.10	4045	94	2.30
10/21/2018 18:00	65.20	3901	91	2.30
10/21/2018 19:00	65.40	3623	84	2.30
10/21/2018 20:00	66.20	3198	76	2.40
10/21/2018 21:00	67.30	2500	48	1.90
10/21/2018 22:00	67.00	1787	52	2.90
10/21/2018 23:00	66.40	1273	37	2.90
10/22/2018 0:00	67.60	935	22	2.40
10/22/2018 1:00	66.20	641	22	3.40
10/22/2018 2:00	66.30	689	35	5.10
10/22/2018 3:00	66.70	1029	51	5.00
10/22/2018 4:00	68.30	2428	87	3.60
10/22/2018 5:00	69.40	6202	165	2.70
10/22/2018 6:00	32.00	7781	338	4.30
10/22/2018 7:00	25.00	7664	433	5.60
10/22/2018 8:00	24.90	7430	401	5.40
10/22/2018 9:00	51.20	5922	362	6.10
10/22/2018 10:00	62.40	4755	331	7.00
10/22/2018 11:00	61.40	4851	360	7.40
10/22/2018 12:00	62.20	4926	301	6.10
10/22/2018 13:00	62.50	5341	326	6.10
10/22/2018 14:00	63.60	5996	274	4.60
10/22/2018 15:00	64.90	6099	251	4.10
10/22/2018 16:00	65.70	6124	227	3.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/22/2018 17:00	66.50	5391	162	3.00
10/22/2018 18:00	66.30	4051	136	3.40
10/22/2018 19:00	65.90	3297	127	3.90
10/22/2018 20:00	66.40	2728	86	3.20
10/22/2018 21:00	66.50	2389	107	4.50
10/22/2018 22:00	67.60	1672	49	2.90
10/22/2018 23:00	66.40	1054	43	4.10
10/23/2018 0:00	67.10	759	32	4.20
10/23/2018 1:00	66.00	477	32	6.70
10/23/2018 2:00	66.00	522	46	8.80
10/23/2018 3:00	66.80	916	58	6.30
10/23/2018 4:00	68.10	2352	96	4.10
10/23/2018 5:00	69.50	6345	183	2.90
10/23/2018 6:00	29.70	7635	283	3.70
10/23/2018 7:00	26.10	7936	439	5.50
10/23/2018 8:00	24.70	7524	483	6.40
10/23/2018 9:00	32.10	6541	393	6.00
10/23/2018 10:00	62.70	4905	314	6.40
10/23/2018 11:00	61.40	4659	323	6.90
10/23/2018 12:00	61.80	4998	335	6.70
10/23/2018 13:00	62.70	5524	298	5.40
10/23/2018 14:00	64.00	6001	266	4.40
10/23/2018 15:00	64.70	5939	224	3.80
10/23/2018 16:00	65.40	5454	202	3.70
10/23/2018 17:00	66.70	5060	172	3.40
10/23/2018 18:00	66.40	4159	146	3.50
10/23/2018 19:00	65.30	3386	128	3.80
10/23/2018 20:00	66.00	2911	114	3.90
10/23/2018 21:00	66.50	2569	101	3.90
10/23/2018 22:00	66.00	1736	79	4.60
10/23/2018 23:00	66.70	1023	44	4.30
10/24/2018 0:00	66.20	737	50	6.80
10/24/2018 1:00	66.00	430	24	5.60
10/24/2018 2:00	66.50	479	28	5.80
10/24/2018 3:00	68.00	841	39	4.60
10/24/2018 4:00	68.40	2345	100	4.30
10/24/2018 5:00	55.60	6260	176	2.80
10/24/2018 6:00	25.80	7625	252	3.30
10/24/2018 7:00	24.00	7612	469	6.20
10/24/2018 8:00	24.10	7373	412	5.60
10/24/2018 9:00	32.80	6378	372	5.80
10/24/2018 10:00	61.80	4929	317	6.40
10/24/2018 11:00	62.10	4793	311	6.50
10/24/2018 12:00	62.00	5057	317	6.30
10/24/2018 13:00	62.10	5722	342	6.00
10/24/2018 14:00	63.00	6113	310	5.10
10/24/2018 15:00	64.50	6214	242	3.90
10/24/2018 16:00	65.90	5535	187	3.40
10/24/2018 17:00	66.00	5365	198	3.70
10/24/2018 18:00	66.20	4161	139	3.30
10/24/2018 19:00	67.00	3446	115	3.30
10/24/2018 20:00	66.50	3016	114	3.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/24/2018 21:00	66.30	2645	117	4.40
10/24/2018 22:00	67.80	1813	69	3.80
10/24/2018 23:00	66.20	1112	50	4.50
10/25/2018 0:00	65.20	769	45	5.90
10/25/2018 1:00	65.50	511	25	4.90
10/25/2018 2:00	66.10	554	44	7.90
10/25/2018 3:00	67.70	881	35	4.00
10/25/2018 4:00	68.80	2354	106	4.50
10/25/2018 5:00	69.50	6344	181	2.90
10/25/2018 6:00	29.50	7720	261	3.40
10/25/2018 7:00	24.80	7646	411	5.40
10/25/2018 8:00	23.60	7303	402	5.50
10/25/2018 9:00	42.40	6459	346	5.40
10/25/2018 10:00	62.30	4914	335	6.80
10/25/2018 11:00	62.10	4904	359	7.30
10/25/2018 12:00	62.90	5233	320	6.10
10/25/2018 13:00	63.40	5703	325	5.70
10/25/2018 14:00	63.40	6156	296	4.80
10/25/2018 15:00	64.90	6155	223	3.60
10/25/2018 16:00	66.00	5653	207	3.70
10/25/2018 17:00	66.40	5022	181	3.60
10/25/2018 18:00	66.80	4086	138	3.40
10/25/2018 19:00	67.40	3592	116	3.20
10/25/2018 20:00	66.40	3069	128	4.20
10/25/2018 21:00	66.70	2862	123	4.30
10/25/2018 22:00	67.00	2009	88	4.40
10/25/2018 23:00	66.60	1338	55	4.10
10/26/2018 0:00	67.50	851	40	4.70
10/26/2018 1:00	65.70	603	48	8.00
10/26/2018 2:00	66.20	658	37	5.60
10/26/2018 3:00	66.40	970	64	6.60
10/26/2018 4:00	68.20	2318	86	3.70
10/26/2018 5:00	69.20	6140	195	3.20
10/26/2018 6:00	27.40	7417	323	4.40
10/26/2018 7:00	24.60	7703	423	5.50
10/26/2018 8:00	24.30	7158	471	6.60
10/26/2018 9:00	48.30	6369	365	5.70
10/26/2018 10:00	62.80	5227	319	6.10
10/26/2018 11:00	62.00	5600	358	6.40
10/26/2018 12:00	62.70	5960	338	5.70
10/26/2018 13:00	63.20	6457	321	5.00
10/26/2018 14:00	63.70	6249	262	4.20
10/26/2018 15:00	64.50	6083	225	3.70
10/26/2018 16:00	63.60	5313	189	3.60
10/26/2018 17:00	65.00	4807	163	3.40
10/26/2018 18:00	66.40	4261	140	3.30
10/26/2018 19:00	66.50	3460	117	3.40
10/26/2018 20:00	66.90	2837	88	3.10
10/26/2018 21:00	66.10	2585	90	3.50
10/26/2018 22:00	66.60	2491	74	3.00
10/26/2018 23:00	66.80	1638	41	2.50
10/27/2018 0:00	65.90	1246	44	3.50



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/27/2018 1:00	66.10	908	33	3.60
10/27/2018 2:00	66.30	719	27	3.80
10/27/2018 3:00	66.20	762	38	5.00
10/27/2018 4:00	66.90	1181	54	4.60
10/27/2018 5:00	67.20	1927	69	3.60
10/27/2018 6:00	65.10	2862	96	3.40
10/27/2018 7:00	65.10	3856	133	3.40
10/27/2018 8:00	65.70	4284	147	3.40
10/27/2018 9:00	63.60	4583	203	4.40
10/27/2018 10:00	64.10	4744	216	4.60
10/27/2018 11:00	64.90	4980	182	3.70
10/27/2018 12:00	63.90	5400	184	3.40
10/27/2018 13:00	63.10	5491	220	4.00
10/27/2018 14:00	62.30	5534	170	3.10
10/27/2018 15:00	63.80	5270	155	2.90
10/27/2018 16:00	65.50	5178	126	2.40
10/27/2018 17:00	66.30	4528	118	2.60
10/27/2018 18:00	65.50	4364	114	2.60
10/27/2018 19:00	65.70	3583	85	2.40
10/27/2018 20:00	66.00	3219	63	2.00
10/27/2018 21:00	65.60	3030	66	2.20
10/27/2018 22:00	65.80	2510	71	2.80
10/27/2018 23:00	66.10	1807	39	2.20
10/28/2018 0:00	66.50	1397	26	1.90
10/28/2018 1:00	65.90	1021	20	2.00
10/28/2018 2:00	66.10	893	20	2.20
10/28/2018 3:00	66.30	759	20	2.60
10/28/2018 4:00	66.80	669	18	2.70
10/28/2018 5:00	68.10	1113	19	1.70
10/28/2018 6:00	66.70	1675	46	2.70
10/28/2018 7:00	67.70	2207	54	2.40
10/28/2018 8:00	66.60	2926	82	2.80
10/28/2018 9:00	66.40	3492	98	2.80
10/28/2018 10:00	66.40	3883	110	2.80
10/28/2018 11:00	65.60	4296	147	3.40
10/28/2018 12:00	65.60	4951	137	2.80
10/28/2018 13:00	65.20	5085	148	2.90
10/28/2018 14:00	65.90	4738	112	2.40
10/28/2018 15:00	66.10	4690	114	2.40
10/28/2018 16:00	66.00	4295	122	2.80
10/28/2018 17:00	66.00	4201	103	2.50
10/28/2018 18:00	64.90	4026	100	2.50
10/28/2018 19:00	64.80	3534	96	2.70
10/28/2018 20:00	66.40	3224	64	2.00
10/28/2018 21:00	67.10	2678	54	2.00
10/28/2018 22:00	67.80	1752	43	2.50
10/28/2018 23:00	67.60	1247	24	1.90
10/29/2018 0:00	66.80	808	20	2.50
10/29/2018 1:00	66.70	699	30	4.30
10/29/2018 2:00	66.10	656	36	5.50
10/29/2018 3:00	66.90	986	41	4.20
10/29/2018 4:00	68.00	2444	88	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/29/2018 5:00	68.60	6121	174	2.80
10/29/2018 6:00	30.20	7485	314	4.20
10/29/2018 7:00	22.90	7340	389	5.30
10/29/2018 8:00	24.70	7270	573	7.90
10/29/2018 9:00	37.90	6042	320	5.30
10/29/2018 10:00	61.90	4709	317	6.70
10/29/2018 11:00	62.20	4611	293	6.40
10/29/2018 12:00	62.30	4951	311	6.30
10/29/2018 13:00	62.50	5546	334	6.00
10/29/2018 14:00	63.60	6009	286	4.80
10/29/2018 15:00	64.50	6274	262	4.20
10/29/2018 16:00	65.90	5804	199	3.40
10/29/2018 17:00	67.30	5028	156	3.10
10/29/2018 18:00	65.80	4082	171	4.20
10/29/2018 19:00	66.10	3331	126	3.80
10/29/2018 20:00	66.70	2800	105	3.80
10/29/2018 21:00	66.60	2221	78	3.50
10/29/2018 22:00	67.40	1667	48	2.90
10/29/2018 23:00	67.30	1012	33	3.30
10/30/2018 0:00	66.50	700	33	4.70
10/30/2018 1:00	66.70	509	26	5.10
10/30/2018 2:00	66.50	543	35	6.40
10/30/2018 3:00	66.20	937	71	7.60
10/30/2018 4:00	67.40	2472	124	5.00
10/30/2018 5:00	69.30	6427	193	3.00
10/30/2018 6:00	31.30	7815	341	4.40
10/30/2018 7:00	26.90	8085	446	5.50
10/30/2018 8:00	25.30	7356	487	6.60
10/30/2018 9:00	56.60	6282	374	6.00
10/30/2018 10:00	62.50	4801	312	6.50
10/30/2018 11:00	61.80	4748	319	6.70
10/30/2018 12:00	61.40	5084	356	7.00
10/30/2018 13:00	62.90	5618	321	5.70
10/30/2018 14:00	63.70	6159	276	4.50
10/30/2018 15:00	64.20	6134	229	3.70
10/30/2018 16:00	66.40	5672	192	3.40
10/30/2018 17:00	67.10	5191	168	3.20
10/30/2018 18:00	66.40	4234	140	3.30
10/30/2018 19:00	66.30	3481	146	4.20
10/30/2018 20:00	67.10	2957	110	3.70
10/30/2018 21:00	66.40	2675	122	4.60
10/30/2018 22:00	68.10	1718	49	2.90
10/30/2018 23:00	67.00	1125	31	2.80
10/31/2018 0:00	66.30	743	46	6.20
10/31/2018 1:00	66.10	482	29	6.00
10/31/2018 2:00	66.00	539	34	6.30
10/31/2018 3:00	67.00	898	55	6.10
10/31/2018 4:00	68.10	2358	107	4.50
10/31/2018 5:00	69.20	6288	179	2.80
10/31/2018 6:00	42.40	7542	267	3.50
10/31/2018 7:00	24.70	7722	478	6.20
10/31/2018 8:00	24.80	7192	538	7.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/31/2018 9:00	29.60	6158	376	6.10
10/31/2018 10:00	62.30	4882	339	6.90
10/31/2018 11:00	62.60	4765	292	6.10
10/31/2018 12:00	62.40	5172	333	6.40
10/31/2018 13:00	62.50	5644	294	5.20
10/31/2018 14:00	64.20	6040	253	4.20
10/31/2018 15:00	63.90	6325	245	3.90
10/31/2018 16:00	66.80	5275	144	2.70
10/31/2018 17:00	66.00	4687	158	3.40
10/31/2018 18:00	66.80	3639	125	3.40
10/31/2018 19:00	66.80	2647	107	4.00
10/31/2018 20:00	66.40	2614	108	4.10
10/31/2018 21:00	66.70	2569	92	3.60
10/31/2018 22:00	67.80	1679	52	3.10
10/31/2018 23:00	67.00	1071	33	3.10
11/01/2018 0:00	66.50	838	45	5.40
11/01/2018 1:00	66.20	599	25	4.20
11/01/2018 2:00	66.90	676	29	4.30
11/01/2018 3:00	66.20	892	58	6.50
11/01/2018 4:00	68.30	2335	103	4.40
11/01/2018 5:00	69.20	6466	199	3.10
11/01/2018 6:00	31.10	7742	326	4.20
11/01/2018 7:00	25.30	7824	407	5.20
11/01/2018 8:00	30.30	6380	256	4.00
11/01/2018 9:00	35.70	6568	416	6.30
11/01/2018 10:00	62.90	4922	318	6.50
11/01/2018 11:00	62.90	4898	325	6.60
11/01/2018 12:00	62.80	5249	332	6.30
11/01/2018 13:00	63.30	5665	311	5.50
11/01/2018 14:00	64.40	6300	272	4.30
11/01/2018 15:00	65.00	6143	238	3.90
11/01/2018 16:00	67.00	5691	187	3.30
11/01/2018 17:00	67.50	5277	167	3.20
11/01/2018 18:00	66.60	3985	146	3.70
11/01/2018 19:00	66.90	3224	130	4.00
11/01/2018 20:00	67.20	2649	110	4.20
11/01/2018 21:00	67.50	2822	109	3.90
11/01/2018 22:00	67.40	1765	63	3.60
11/01/2018 23:00	67.00	1120	49	4.40
11/02/2018 0:00	66.30	750	41	5.50
11/02/2018 1:00	65.90	529	33	6.20
11/02/2018 2:00	66.30	563	45	8.00
11/02/2018 3:00	66.30	876	57	6.50
11/02/2018 4:00	66.80	2255	119	5.30
11/02/2018 5:00	69.50	6050	187	3.10
11/02/2018 6:00	30.80	7700	301	3.90
11/02/2018 7:00	26.70	7858	596	7.60
11/02/2018 8:00	34.60	7270	474	6.50
11/02/2018 9:00	62.40	6064	354	5.80
11/02/2018 10:00	62.80	5143	326	6.30
11/02/2018 11:00	62.60	5408	329	6.10
11/02/2018 12:00	63.00	5855	342	5.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/02/2018 13:00	35.90	5388	288	5.30
11/02/2018 14:00	32.00	6208	207	3.30
11/02/2018 15:00	65.00	5879	218	3.70
11/02/2018 16:00	66.30	5162	180	3.50
11/02/2018 17:00	66.70	4787	159	3.30
11/02/2018 18:00	66.50	4401	152	3.50
11/02/2018 19:00	67.40	3437	107	3.10
11/02/2018 20:00	68.10	2792	92	3.30
11/02/2018 21:00	66.30	2493	96	3.90
11/02/2018 22:00	66.30	2067	56	2.70
11/02/2018 23:00	66.40	1626	56	3.40
11/03/2018 0:00	66.60	1037	34	3.30
11/03/2018 1:00	66.00	725	28	3.90
11/03/2018 2:00	66.40	652	30	4.60
11/03/2018 3:00	66.20	646	37	5.70
11/03/2018 4:00	67.20	1161	51	4.40
11/03/2018 5:00	66.60	1815	78	4.30
11/03/2018 6:00	65.50	2833	91	3.20
11/03/2018 7:00	65.10	3860	151	3.90
11/03/2018 8:00	65.60	4560	164	3.60
11/03/2018 9:00	63.70	4611	217	4.70
11/03/2018 10:00	64.80	4680	204	4.40
11/03/2018 11:00	65.10	4913	190	3.90
11/03/2018 12:00	65.20	5288	178	3.40
11/03/2018 13:00	65.60	5253	164	3.10
11/03/2018 14:00	65.80	5059	166	3.30
11/03/2018 15:00	66.70	4821	126	2.60
11/03/2018 16:00	66.80	4703	124	2.60
11/03/2018 17:00	66.60	4321	98	2.30
11/03/2018 18:00	66.20	3948	100	2.50
11/03/2018 19:00	66.80	3390	75	2.20
11/03/2018 20:00	66.90	2986	71	2.40
11/03/2018 21:00	67.20	2845	59	2.10
11/03/2018 22:00	67.00	2964	63	2.10
11/03/2018 23:00	67.00	1959	43	2.20
11/04/2018 0:00	66.80	1291	33	2.60
11/04/2018 1:00	66.60	858	13	1.50
11/04/2018 2:00	66.50	430	6	1.40
11/04/2018 3:00	66.50	412	10	2.40
11/04/2018 4:00	66.70	687	20	2.90
11/04/2018 5:00	66.90	1083	32	3.00
11/04/2018 6:00	68.20	2030	45	2.20
11/04/2018 7:00	67.20	2640	69	2.60
11/04/2018 8:00	67.00	3430	94	2.70
11/04/2018 9:00	66.40	4088	113	2.80
11/04/2018 10:00	65.90	4281	126	2.90
11/04/2018 11:00	65.90	4637	127	2.70
11/04/2018 12:00	65.70	4761	140	2.90
11/04/2018 13:00	65.90	4816	124	2.60
11/04/2018 14:00	66.30	4600	108	2.30
11/04/2018 15:00	66.30	4507	115	2.60
11/04/2018 16:00	65.80	4431	104	2.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/04/2018 17:00	65.30	4204	95	2.30
11/04/2018 18:00	65.10	3586	77	2.10
11/04/2018 19:00	64.80	3065	83	2.70
11/04/2018 20:00	65.50	2556	61	2.40
11/04/2018 21:00	66.20	2128	53	2.50
11/04/2018 22:00	62.50	1391	36	2.60
11/04/2018 23:00	66.00	1008	31	3.10
11/05/2018 0:00	66.60	632	12	1.90
11/05/2018 1:00	66.40	513	20	3.90
11/05/2018 2:00	66.90	574	22	3.80
11/05/2018 3:00	67.10	967	54	5.60
11/05/2018 4:00	68.60	2534	89	3.50
11/05/2018 5:00	59.20	6218	172	2.80
11/05/2018 6:00	38.50	7846	320	4.10
11/05/2018 7:00	24.20	7406	441	6.00
11/05/2018 8:00	23.70	7046	399	5.70
11/05/2018 9:00	30.80	6418	355	5.50
11/05/2018 10:00	63.20	4925	302	6.10
11/05/2018 11:00	62.20	4896	354	7.20
11/05/2018 12:00	63.30	4960	283	5.70
11/05/2018 13:00	63.40	5452	322	5.90
11/05/2018 14:00	64.80	5953	272	4.60
11/05/2018 15:00	65.50	6230	239	3.80
11/05/2018 16:00	66.50	5671	180	3.20
11/05/2018 17:00	65.90	5147	170	3.30
11/05/2018 18:00	66.50	3735	144	3.90
11/05/2018 19:00	67.00	2972	121	4.10
11/05/2018 20:00	66.80	2450	109	4.40
11/05/2018 21:00	66.60	1991	78	3.90
11/05/2018 22:00	67.00	1334	50	3.70
11/05/2018 23:00	65.60	889	40	4.50
11/06/2018 0:00	65.60	613	40	6.50
11/06/2018 1:00	65.90	435	32	7.40
11/06/2018 2:00	66.40	563	40	7.10
11/06/2018 3:00	65.90	860	64	7.40
11/06/2018 4:00	67.70	2426	103	4.20
11/06/2018 5:00	69.90	6831	186	2.70
11/06/2018 6:00	30.70	8045	383	4.80
11/06/2018 7:00	28.30	8255	514	6.20
11/06/2018 8:00	24.90	7399	499	6.70
11/06/2018 9:00	47.70	5987	324	5.40
11/06/2018 10:00	63.60	4827	291	6.00
11/06/2018 11:00	61.50	4675	337	7.20
11/06/2018 12:00	62.90	5100	299	5.90
11/06/2018 13:00	62.90	5534	290	5.20
11/06/2018 14:00	63.90	6288	308	4.90
11/06/2018 15:00	65.80	6216	217	3.50
11/06/2018 16:00	65.90	5814	205	3.50
11/06/2018 17:00	65.60	5255	166	3.20
11/06/2018 18:00	66.10	3776	142	3.80
11/06/2018 19:00	67.20	3203	117	3.70
11/06/2018 20:00	66.00	2600	127	4.90

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/06/2018 21:00	66.90	2633	102	3.90
11/06/2018 22:00	64.30	1512	58	3.80
11/06/2018 23:00	64.30	1000	47	4.70
11/07/2018 0:00	67.10	690	38	5.50
11/07/2018 1:00	65.90	490	33	6.70
11/07/2018 2:00	66.80	531	34	6.40
11/07/2018 3:00	66.60	922	66	7.20
11/07/2018 4:00	67.50	2482	112	4.50
11/07/2018 5:00	69.20	6498	191	2.90
11/07/2018 6:00	29.90	7827	319	4.10
11/07/2018 7:00	24.40	7812	438	5.60
11/07/2018 8:00	27.30	7813	482	6.20
11/07/2018 9:00	46.80	6115	319	5.20
11/07/2018 10:00	62.10	4775	324	6.80
11/07/2018 11:00	61.30	4819	312	6.50
11/07/2018 12:00	61.30	5025	297	5.90
11/07/2018 13:00	54.90	5618	275	4.90
11/07/2018 14:00	62.60	6061	278	4.60
11/07/2018 15:00	63.70	6015	253	4.20
11/07/2018 16:00	64.50	5920	193	3.30
11/07/2018 17:00	65.20	5300	154	2.90
11/07/2018 18:00	65.40	3954	129	3.30
11/07/2018 19:00	65.90	3056	118	3.90
11/07/2018 20:00	66.20	2700	111	4.10
11/07/2018 21:00	66.30	2323	90	3.90
11/07/2018 22:00	67.30	1607	40	2.50
11/07/2018 23:00	65.50	951	46	4.80
11/08/2018 0:00	66.30	669	33	4.90
11/08/2018 1:00	65.00	515	38	7.40
11/08/2018 2:00	66.10	512	36	7.00
11/08/2018 3:00	65.60	934	72	7.70
11/08/2018 4:00	68.20	2442	100	4.10
11/08/2018 5:00	69.60	6650	178	2.70
11/08/2018 6:00	30.60	7884	390	4.90
11/08/2018 7:00	25.80	8012	479	6.00
11/08/2018 8:00	24.20	7278	480	6.60
11/08/2018 9:00	47.90	6110	366	6.00
11/08/2018 10:00	61.90	4930	333	6.80
11/08/2018 11:00	61.50	5156	334	6.50
11/08/2018 12:00	63.40	5401	317	5.90
11/08/2018 13:00	62.90	5559	306	5.50
11/08/2018 14:00	63.30	6369	297	4.70
11/08/2018 15:00	64.80	6095	219	3.60
11/08/2018 16:00	65.90	5814	185	3.20
11/08/2018 17:00	65.00	5520	171	3.10
11/08/2018 18:00	65.80	3854	131	3.40
11/08/2018 19:00	66.70	3158	110	3.50
11/08/2018 20:00	68.10	2548	84	3.30
11/08/2018 21:00	66.00	2480	109	4.40
11/08/2018 22:00	67.00	1680	58	3.50
11/08/2018 23:00	67.40	1390	54	3.90
11/09/2018 0:00	66.10	719	38	5.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/09/2018 1:00	66.20	530	28	5.30
11/09/2018 2:00	65.90	582	38	6.50
11/09/2018 3:00	66.30	947	63	6.70
11/09/2018 4:00	68.70	2449	93	3.80
11/09/2018 5:00	68.60	6429	207	3.20
11/09/2018 6:00	30.50	7878	360	4.60
11/09/2018 7:00	25.90	7661	548	7.20
11/09/2018 8:00	25.50	7248	498	6.90
11/09/2018 9:00	58.70	6228	380	6.10
11/09/2018 10:00	62.40	5519	318	5.80
11/09/2018 11:00	62.40	5639	347	6.20
11/09/2018 12:00	61.90	5972	348	5.80
11/09/2018 13:00	62.80	6264	316	5.00
11/09/2018 14:00	64.00	6523	263	4.00
11/09/2018 15:00	64.90	5797	206	3.60
11/09/2018 16:00	65.90	5267	162	3.10
11/09/2018 17:00	65.70	5057	163	3.20
11/09/2018 18:00	66.30	3905	135	3.50
11/09/2018 19:00	67.10	3262	104	3.20
11/09/2018 20:00	67.10	2675	96	3.60
11/09/2018 21:00	66.80	2472	84	3.40
11/09/2018 22:00	66.20	2010	54	2.70
11/09/2018 23:00	67.50	1409	28	2.00
11/10/2018 0:00	66.40	1003	36	3.60
11/10/2018 1:00	64.90	714	37	5.20
11/10/2018 2:00	66.00	642	27	4.20
11/10/2018 3:00	67.00	692	31	4.50
11/10/2018 4:00	66.80	1202	56	4.70
11/10/2018 5:00	66.70	1955	82	4.20
11/10/2018 6:00	66.90	3067	96	3.10
11/10/2018 7:00	66.30	3890	130	3.30
11/10/2018 8:00	66.40	4442	145	3.30
11/10/2018 9:00	64.80	4609	208	4.50
11/10/2018 10:00	64.90	4860	214	4.40
11/10/2018 11:00	65.60	5025	186	3.70
11/10/2018 12:00	65.30	5237	195	3.70
11/10/2018 13:00	65.50	5283	190	3.60
11/10/2018 14:00	66.30	5027	163	3.20
11/10/2018 15:00	67.10	4918	145	2.90
11/10/2018 16:00	66.60	4998	132	2.60
11/10/2018 17:00	65.00	4869	138	2.80
11/10/2018 18:00	66.40	3708	103	2.80
11/10/2018 19:00	67.80	3071	53	1.70
11/10/2018 20:00	66.80	2769	60	2.20
11/10/2018 21:00	67.20	2763	59	2.10
11/10/2018 22:00	65.40	2645	75	2.80
11/10/2018 23:00	67.10	1782	38	2.10
11/11/2018 0:00	67.00	1204	25	2.10
11/11/2018 1:00	66.70	874	12	1.40
11/11/2018 2:00	66.60	789	19	2.40
11/11/2018 3:00	66.60	558	13	2.30
11/11/2018 4:00	66.80	577	12	2.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/11/2018 5:00	66.60	1015	20	2.00
11/11/2018 6:00	66.80	1683	40	2.40
11/11/2018 7:00	67.20	2283	65	2.80
11/11/2018 8:00	66.90	2891	73	2.50
11/11/2018 9:00	67.00	3529	92	2.60
11/11/2018 10:00	66.70	3830	113	3.00
11/11/2018 11:00	66.40	4178	113	2.70
11/11/2018 12:00	66.50	4647	114	2.50
11/11/2018 13:00	65.90	4638	136	2.90
11/11/2018 14:00	66.70	4363	107	2.50
11/11/2018 15:00	66.60	4296	111	2.60
11/11/2018 16:00	66.10	4385	101	2.30
11/11/2018 17:00	65.70	4376	103	2.40
11/11/2018 18:00	65.50	3593	82	2.30
11/11/2018 19:00	66.10	2971	71	2.40
11/11/2018 20:00	66.90	2623	65	2.50
11/11/2018 21:00	67.10	2279	39	1.70
11/11/2018 22:00	67.50	1895	44	2.30
11/11/2018 23:00	67.00	1278	42	3.30
11/12/2018 0:00	66.90	928	28	3.00
11/12/2018 1:00	66.90	578	18	3.10
11/12/2018 2:00	67.10	595	25	4.20
11/12/2018 3:00	67.20	860	41	4.80
11/12/2018 4:00	67.70	2124	78	3.70
11/12/2018 5:00	69.30	5201	145	2.80
11/12/2018 6:00	64.10	7318	257	3.50
11/12/2018 7:00	65.20	6614	245	3.70
11/12/2018 8:00	64.30	5385	277	5.10
11/12/2018 9:00	62.70	4968	343	6.90
11/12/2018 10:00	63.00	4593	308	6.70
11/12/2018 11:00	62.70	4628	318	6.90
11/12/2018 12:00	63.10	4724	315	6.70
11/12/2018 13:00	63.40	4966	292	5.90
11/12/2018 14:00	65.40	5150	233	4.50
11/12/2018 15:00	66.00	4888	203	4.20
11/12/2018 16:00	66.80	4550	152	3.30
11/12/2018 17:00	66.90	4521	143	3.20
11/12/2018 18:00	67.40	3691	120	3.30
11/12/2018 19:00	68.80	2845	73	2.60
11/12/2018 20:00	67.50	2473	65	2.60
11/12/2018 21:00	66.00	1934	71	3.70
11/12/2018 22:00	67.10	1538	46	3.00
11/12/2018 23:00	67.00	970	37	3.80
11/13/2018 0:00	66.20	716	40	5.60
11/13/2018 1:00	66.50	466	28	6.00
11/13/2018 2:00	66.80	570	27	4.70
11/13/2018 3:00	66.60	924	55	6.00
11/13/2018 4:00	68.70	2399	96	4.00
11/13/2018 5:00	69.90	6515	182	2.80
11/13/2018 6:00	32.20	8296	410	4.90
11/13/2018 7:00	27.70	8024	535	6.70
11/13/2018 8:00	24.70	7343	440	6.00



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/13/2018 9:00	31.80	6728	396	5.90
11/13/2018 10:00	62.80	4805	305	6.30
11/13/2018 11:00	62.40	4901	322	6.60
11/13/2018 12:00	62.70	5074	294	5.80
11/13/2018 13:00	62.30	5394	301	5.60
11/13/2018 14:00	64.50	6202	258	4.20
11/13/2018 15:00	65.00	6101	234	3.80
11/13/2018 16:00	66.20	5690	194	3.40
11/13/2018 17:00	65.50	5507	184	3.30
11/13/2018 18:00	65.70	3964	145	3.70
11/13/2018 19:00	66.50	3020	112	3.70
11/13/2018 20:00	67.40	2501	86	3.40
11/13/2018 21:00	66.30	2131	90	4.20
11/13/2018 22:00	66.70	1473	60	4.10
11/13/2018 23:00	66.50	999	40	4.00
11/14/2018 0:00	66.40	598	32	5.40
11/14/2018 1:00	66.60	498	31	6.20
11/14/2018 2:00	66.10	511	36	7.00
11/14/2018 3:00	66.80	880	57	6.50
11/14/2018 4:00	68.30	2445	111	4.50
11/14/2018 5:00	70.30	6359	163	2.60
11/14/2018 6:00	30.50	8068	389	4.80
11/14/2018 7:00	26.00	7998	565	7.10
11/14/2018 8:00	23.90	7287	398	5.50
11/14/2018 9:00	39.70	6510	357	5.50
11/14/2018 10:00	62.20	5072	346	6.80
11/14/2018 11:00	61.70	4999	345	6.90
11/14/2018 12:00	62.40	5082	287	5.60
11/14/2018 13:00	62.50	5568	310	5.60
11/14/2018 14:00	64.50	6050	260	4.30
11/14/2018 15:00	64.90	6012	218	3.60
11/14/2018 16:00	65.60	5859	185	3.20
11/14/2018 17:00	65.70	5515	179	3.20
11/14/2018 18:00	66.30	3917	137	3.50
11/14/2018 19:00	66.80	3057	118	3.90
11/14/2018 20:00	66.60	2721	94	3.50
11/14/2018 21:00	67.40	2658	87	3.30
11/14/2018 22:00	66.10	1621	66	4.10
11/14/2018 23:00	64.90	959	50	5.20
11/15/2018 0:00	65.90	666	36	5.40
11/15/2018 1:00	65.50	431	31	7.20
11/15/2018 2:00	66.20	563	35	6.20
11/15/2018 3:00	66.50	906	52	5.70
11/15/2018 4:00	67.70	2482	108	4.40
11/15/2018 5:00	69.00	6508	188	2.90
11/15/2018 6:00	34.10	8193	352	4.30
11/15/2018 7:00	27.60	7667	519	6.80
11/15/2018 8:00	22.60	6930	424	6.10
11/15/2018 9:00	26.90	6918	407	5.90
11/15/2018 10:00	60.90	5085	329	6.50
11/15/2018 11:00	61.40	5013	319	6.40
11/15/2018 12:00	61.50	5373	300	5.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/15/2018 13:00	62.40	5568	293	5.30
11/15/2018 14:00	63.30	6334	294	4.60
11/15/2018 15:00	64.30	5688	210	3.70
11/15/2018 16:00	66.10	5661	186	3.30
11/15/2018 17:00	64.10	5522	201	3.60
11/15/2018 18:00	65.80	3877	150	3.90
11/15/2018 19:00	66.20	3001	105	3.50
11/15/2018 20:00	67.30	2632	88	3.30
11/15/2018 21:00	66.30	2463	121	4.90
11/15/2018 22:00	67.70	1740	60	3.40
11/15/2018 23:00	67.40	1080	35	3.20
11/16/2018 0:00	65.90	684	33	4.80
11/16/2018 1:00	65.50	572	36	6.30
11/16/2018 2:00	66.40	597	38	6.40
11/16/2018 3:00	66.40	982	65	6.60
11/16/2018 4:00	67.40	2317	108	4.70
11/16/2018 5:00	68.70	6263	178	2.80
11/16/2018 6:00	33.70	7986	331	4.10
11/16/2018 7:00	25.90	7790	535	6.90
11/16/2018 8:00	26.40	7138	398	5.60
11/16/2018 9:00	60.40	5843	346	5.90
11/16/2018 10:00	61.90	5548	349	6.30
11/16/2018 11:00	61.90	5661	365	6.40
11/16/2018 12:00	62.60	6067	338	5.60
11/16/2018 13:00	62.50	6391	337	5.30
11/16/2018 14:00	63.20	6410	281	4.40
11/16/2018 15:00	64.70	6003	226	3.80
11/16/2018 16:00	65.40	5334	168	3.10
11/16/2018 17:00	64.20	5069	197	3.90
11/16/2018 18:00	65.30	4144	142	3.40
11/16/2018 19:00	66.10	3357	121	3.60
11/16/2018 20:00	66.50	2740	104	3.80
11/16/2018 21:00	66.20	2491	88	3.50
11/16/2018 22:00	66.30	2022	58	2.90
11/16/2018 23:00	66.50	1383	43	3.10
11/17/2018 0:00	66.30	992	26	2.60
11/17/2018 1:00	65.40	756	36	4.80
11/17/2018 2:00	65.80	686	37	5.40
11/17/2018 3:00	67.00	752	32	4.30
11/17/2018 4:00	67.40	1283	54	4.20
11/17/2018 5:00	67.30	2011	80	4.00
11/17/2018 6:00	65.70	3269	109	3.30
11/17/2018 7:00	63.10	3931	145	3.70
11/17/2018 8:00	65.20	4540	175	3.90
11/17/2018 9:00	64.20	4587	213	4.60
11/17/2018 10:00	64.60	4697	187	4.00
11/17/2018 11:00	64.20	4923	192	3.90
11/17/2018 12:00	65.00	5359	185	3.50
11/17/2018 13:00	65.20	5352	191	3.60
11/17/2018 14:00	65.10	5280	174	3.30
11/17/2018 15:00	66.30	5110	142	2.80
11/17/2018 16:00	66.00	5093	121	2.40

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/17/2018 17:00	65.20	4618	127	2.80
11/17/2018 18:00	65.70	3804	98	2.60
11/17/2018 19:00	66.30	3157	79	2.50
11/17/2018 20:00	66.30	2779	78	2.80
11/17/2018 21:00	67.00	2526	49	1.90
11/17/2018 22:00	67.30	2349	53	2.30
11/17/2018 23:00	67.30	1624	27	1.70
11/18/2018 0:00	66.90	1170	24	2.10
11/18/2018 1:00	66.90	823	13	1.60
11/18/2018 2:00	66.40	662	13	2.00
11/18/2018 3:00	66.50	556	16	2.90
11/18/2018 4:00	66.20	631	20	3.20
11/18/2018 5:00	66.80	1037	27	2.60
11/18/2018 6:00	66.70	1713	55	3.20
11/18/2018 7:00	67.30	2273	66	2.90
11/18/2018 8:00	65.90	2913	100	3.40
11/18/2018 9:00	65.50	3671	132	3.60
11/18/2018 10:00	66.50	3747	111	3.00
11/18/2018 11:00	66.20	4136	119	2.90
11/18/2018 12:00	65.80	4653	119	2.60
11/18/2018 13:00	65.40	4781	132	2.80
11/18/2018 14:00	66.10	4482	104	2.30
11/18/2018 15:00	65.90	4389	123	2.80
11/18/2018 16:00	65.60	4311	118	2.70
11/18/2018 17:00	65.40	3946	92	2.30
11/18/2018 18:00	65.90	3401	83	2.40
11/18/2018 19:00	66.30	3094	84	2.70
11/18/2018 20:00	66.10	2544	66	2.60
11/18/2018 21:00	67.10	2117	54	2.60
11/18/2018 22:00	67.50	1623	36	2.20
11/18/2018 23:00	66.20	1148	38	3.30
11/19/2018 0:00	66.60	818	23	2.80
11/19/2018 1:00	66.20	616	29	4.70
11/19/2018 2:00	66.70	616	37	6.00
11/19/2018 3:00	68.10	999	36	3.60
11/19/2018 4:00	67.70	2222	85	3.80
11/19/2018 5:00	68.70	6070	174	2.90
11/19/2018 6:00	33.20	7927	436	5.50
11/19/2018 7:00	27.50	7818	486	6.20
11/19/2018 8:00	43.40	6716	363	5.40
11/19/2018 9:00	62.10	5780	347	6.00
11/19/2018 10:00	60.90	5190	357	6.90
11/19/2018 11:00	59.90	5063	368	7.30
11/19/2018 12:00	60.70	5119	363	7.10
11/19/2018 13:00	62.10	5488	304	5.50
11/19/2018 14:00	63.40	5900	277	4.70
11/19/2018 15:00	64.20	5974	230	3.90
11/19/2018 16:00	64.50	5664	192	3.40
11/19/2018 17:00	63.60	5007	166	3.30
11/19/2018 18:00	65.30	3809	129	3.40
11/19/2018 19:00	65.90	2912	89	3.10
11/19/2018 20:00	66.40	2396	73	3.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/19/2018 21:00	66.50	2144	72	3.40
11/19/2018 22:00	66.70	1447	50	3.50
11/19/2018 23:00	66.60	954	40	4.20
11/20/2018 0:00	65.80	623	40	6.40
11/20/2018 1:00	65.80	499	31	6.20
11/20/2018 2:00	65.70	529	36	6.80
11/20/2018 3:00	67.10	923	50	5.40
11/20/2018 4:00	68.30	2407	100	4.20
11/20/2018 5:00	69.50	6211	178	2.90
11/20/2018 6:00	37.10	8283	403	4.90
11/20/2018 7:00	29.00	7847	513	6.50
11/20/2018 8:00	25.10	6640	419	6.30
11/20/2018 9:00	61.00	5971	356	6.00
11/20/2018 10:00	61.50	5274	370	7.00
11/20/2018 11:00	61.50	5262	365	6.90
11/20/2018 12:00	62.30	5420	328	6.10
11/20/2018 13:00	63.00	5715	311	5.40
11/20/2018 14:00	63.10	6225	290	4.70
11/20/2018 15:00	64.30	5669	222	3.90
11/20/2018 16:00	65.60	5195	186	3.60
11/20/2018 17:00	64.70	4874	163	3.30
11/20/2018 18:00	66.10	3746	118	3.20
11/20/2018 19:00	66.00	3287	132	4.00
11/20/2018 20:00	67.20	2722	101	3.70
11/20/2018 21:00	66.60	2322	75	3.20
11/20/2018 22:00	67.10	1785	59	3.30
11/20/2018 23:00	66.20	1194	35	2.90
11/21/2018 0:00	67.10	866	40	4.60
11/21/2018 1:00	65.30	605	44	7.30
11/21/2018 2:00	65.60	592	49	8.30
11/21/2018 3:00	66.80	1039	70	6.70
11/21/2018 4:00	69.00	2359	98	4.20
11/21/2018 5:00	69.60	6063	172	2.80
11/21/2018 6:00	33.80	7968	320	4.00
11/21/2018 7:00	28.70	7773	516	6.60
11/21/2018 8:00	58.10	6223	331	5.30
11/21/2018 9:00	62.40	5726	350	6.10
11/21/2018 10:00	62.50	5570	373	6.70
11/21/2018 11:00	62.40	5867	348	5.90
11/21/2018 12:00	62.80	6645	358	5.40
11/21/2018 13:00	62.40	6310	297	4.70
11/21/2018 14:00	64.10	5830	267	4.60
11/21/2018 15:00	65.90	4876	165	3.40
11/21/2018 16:00	65.90	4593	167	3.60
11/21/2018 17:00	65.60	4458	170	3.80
11/21/2018 18:00	66.40	3761	120	3.20
11/21/2018 19:00	67.80	2989	92	3.10
11/21/2018 20:00	67.30	2588	88	3.40
11/21/2018 21:00	68.40	2285	65	2.80
11/21/2018 22:00	68.00	1877	39	2.10
11/21/2018 23:00	68.20	1311	29	2.20
11/22/2018 0:00	68.00	1032	31	3.00

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/22/2018 1:00	66.50	663	27	4.10
11/22/2018 2:00	66.50	556	21	3.80
11/22/2018 3:00	66.50	479	16	3.30
11/22/2018 4:00	66.70	662	19	2.90
11/22/2018 5:00	67.30	1026	28	2.70
11/22/2018 6:00	66.70	1498	40	2.70
11/22/2018 7:00	67.80	1785	48	2.70
11/22/2018 8:00	67.90	2338	59	2.50
11/22/2018 9:00	65.40	3052	133	4.40
11/22/2018 10:00	66.90	3980	127	3.20
11/22/2018 11:00	67.50	4688	115	2.50
11/22/2018 12:00	67.80	5252	117	2.20
11/22/2018 13:00	68.00	4920	109	2.20
11/22/2018 14:00	68.60	4462	88	2.00
11/22/2018 15:00	68.60	4023	75	1.90
11/22/2018 16:00	67.50	3763	82	2.20
11/22/2018 17:00	66.60	3662	68	1.90
11/22/2018 18:00	66.50	3227	64	2.00
11/22/2018 19:00	66.80	3301	67	2.00
11/22/2018 20:00	66.80	3200	69	2.20
11/22/2018 21:00	68.30	2844	49	1.70
11/22/2018 22:00	68.30	2431	50	2.10
11/22/2018 23:00	68.70	1577	22	1.40
11/23/2018 0:00	69.10	1036	14	1.40
11/23/2018 1:00	67.80	744	15	2.00
11/23/2018 2:00	67.20	543	21	3.90
11/23/2018 3:00	67.30	614	25	4.10
11/23/2018 4:00	67.40	944	34	3.60
11/23/2018 5:00	69.20	2066	72	3.50
11/23/2018 6:00	67.10	3143	84	2.70
11/23/2018 7:00	65.40	3667	169	4.60
11/23/2018 8:00	65.90	3557	149	4.20
11/23/2018 9:00	63.80	3986	220	5.50
11/23/2018 10:00	65.80	4152	194	4.70
11/23/2018 11:00	65.30	4165	173	4.20
11/23/2018 12:00	64.80	4444	201	4.50
11/23/2018 13:00	65.10	4412	180	4.10
11/23/2018 14:00	66.10	4419	141	3.20
11/23/2018 15:00	67.70	4256	123	2.90
11/23/2018 16:00	67.10	3979	108	2.70
11/23/2018 17:00	66.80	3979	118	3.00
11/23/2018 18:00	66.40	3403	113	3.30
11/23/2018 19:00	67.10	2851	96	3.40
11/23/2018 20:00	69.00	2424	58	2.40
11/23/2018 21:00	67.70	2520	62	2.50
11/23/2018 22:00	68.30	2169	38	1.80
11/23/2018 23:00	67.70	1433	30	2.10
11/24/2018 0:00	66.10	853	34	4.00
11/24/2018 1:00	66.10	620	20	3.20
11/24/2018 2:00	65.70	513	35	6.80
11/24/2018 3:00	66.40	546	25	4.60
11/24/2018 4:00	67.40	794	34	4.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/24/2018 5:00	66.30	1359	58	4.30
11/24/2018 6:00	66.70	2283	79	3.50
11/24/2018 7:00	66.40	2885	96	3.30
11/24/2018 8:00	66.30	3488	134	3.80
11/24/2018 9:00	63.50	3798	189	5.00
11/24/2018 10:00	64.60	3886	165	4.20
11/24/2018 11:00	64.70	4344	176	4.10
11/24/2018 12:00	64.70	4805	182	3.80
11/24/2018 13:00	65.60	4462	119	2.70
11/24/2018 14:00	66.00	4478	116	2.60
11/24/2018 15:00	66.70	4206	113	2.70
11/24/2018 16:00	66.00	4175	106	2.50
11/24/2018 17:00	65.40	3865	82	2.10
11/24/2018 18:00	66.10	3417	72	2.10
11/24/2018 19:00	66.50	2909	62	2.10
11/24/2018 20:00	67.50	2504	46	1.80
11/24/2018 21:00	67.10	2347	54	2.30
11/24/2018 22:00	67.50	2152	49	2.30
11/24/2018 23:00	67.00	1550	23	1.50
11/25/2018 0:00	66.90	1220	29	2.40
11/25/2018 1:00	66.50	898	18	2.00
11/25/2018 2:00	66.60	623	17	2.70
11/25/2018 3:00	66.50	489	11	2.20
11/25/2018 4:00	66.60	669	22	3.30
11/25/2018 5:00	67.20	1048	26	2.50
11/25/2018 6:00	66.50	1549	49	3.20
11/25/2018 7:00	67.00	2180	55	2.50
11/25/2018 8:00	67.50	2682	68	2.50
11/25/2018 9:00	66.80	3107	87	2.80
11/25/2018 10:00	65.90	3639	117	3.20
11/25/2018 11:00	66.10	3816	109	2.90
11/25/2018 12:00	65.90	4336	118	2.70
11/25/2018 13:00	65.30	4242	118	2.80
11/25/2018 14:00	66.00	4035	115	2.90
11/25/2018 15:00	65.10	3835	83	2.20
11/25/2018 16:00	65.50	3743	88	2.40
11/25/2018 17:00	65.70	3536	83	2.30
11/25/2018 18:00	66.00	3256	89	2.70
11/25/2018 19:00	66.50	2811	77	2.70
11/25/2018 20:00	66.40	2390	79	3.30
11/25/2018 21:00	66.50	1899	50	2.60
11/25/2018 22:00	66.60	1590	54	3.40
11/25/2018 23:00	67.30	1144	27	2.40
11/26/2018 0:00	66.40	851	39	4.60
11/26/2018 1:00	65.80	632	35	5.50
11/26/2018 2:00	66.00	671	35	5.20
11/26/2018 3:00	66.80	947	48	5.10
11/26/2018 4:00	67.90	2478	88	3.60
11/26/2018 5:00	67.90	6140	199	3.20
11/26/2018 6:00	33.70	7990	355	4.40
11/26/2018 7:00	28.00	7875	390	5.00
11/26/2018 8:00	21.30	6607	373	5.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/26/2018 9:00	32.70	6229	409	6.60
11/26/2018 10:00	60.80	4799	322	6.70
11/26/2018 11:00	61.20	4672	322	6.90
11/26/2018 12:00	60.90	4866	319	6.60
11/26/2018 13:00	61.70	5319	313	5.90
11/26/2018 14:00	63.50	5834	269	4.60
11/26/2018 15:00	63.30	5972	247	4.10
11/26/2018 16:00	65.70	5584	188	3.40
11/26/2018 17:00	66.20	4965	158	3.20
11/26/2018 18:00	66.30	3834	145	3.80
11/26/2018 19:00	66.90	3017	97	3.20
11/26/2018 20:00	66.80	2545	89	3.50
11/26/2018 21:00	66.50	2090	69	3.30
11/26/2018 22:00	67.10	1517	46	3.00
11/26/2018 23:00	66.80	964	41	4.30
11/27/2018 0:00	66.10	665	39	5.90
11/27/2018 1:00	65.80	481	30	6.20
11/27/2018 2:00	66.00	575	40	7.00
11/27/2018 3:00	66.50	878	54	6.20
11/27/2018 4:00	67.20	2445	128	5.20
11/27/2018 5:00	69.10	6430	189	2.90
11/27/2018 6:00	32.60	8113	412	5.10
11/27/2018 7:00	24.60	7418	377	5.10
11/27/2018 8:00	22.90	7002	431	6.20
11/27/2018 9:00	25.90	6653	327	4.90
11/27/2018 10:00	61.30	4953	324	6.50
11/27/2018 11:00	62.30	4590	292	6.40
11/27/2018 12:00	61.70	5042	336	6.70
11/27/2018 13:00	62.60	5528	337	6.10
11/27/2018 14:00	63.70	5997	274	4.60
11/27/2018 15:00	63.90	6069	232	3.80
11/27/2018 16:00	65.70	5858	200	3.40
11/27/2018 17:00	64.80	5228	180	3.40
11/27/2018 18:00	66.40	3559	117	3.30
11/27/2018 19:00	66.90	2997	105	3.50
11/27/2018 20:00	66.60	2586	94	3.60
11/27/2018 21:00	66.90	2685	107	4.00
11/27/2018 22:00	67.40	1538	45	2.90
11/27/2018 23:00	66.30	897	34	3.80
11/28/2018 0:00	65.30	605	45	7.40
11/28/2018 1:00	66.60	489	27	5.50
11/28/2018 2:00	66.30	497	29	5.80
11/28/2018 3:00	67.50	898	55	6.10
11/28/2018 4:00	67.80	2493	112	4.50
11/28/2018 5:00	69.40	6439	184	2.90
11/28/2018 6:00	27.50	7747	334	4.30
11/28/2018 7:00	25.40	7805	586	7.50
11/28/2018 8:00	24.20	7123	547	7.70
11/28/2018 9:00	27.50	6241	351	5.60
11/28/2018 10:00	61.50	4818	320	6.60
11/28/2018 11:00	61.20	4789	302	6.30
11/28/2018 12:00	61.50	4924	321	6.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/28/2018 13:00	61.50	5582	345	6.20
11/28/2018 14:00	63.20	6122	269	4.40
11/28/2018 15:00	64.80	5944	236	4.00
11/28/2018 16:00	65.40	5759	207	3.60
11/28/2018 17:00	64.60	5337	190	3.60
11/28/2018 18:00	65.30	3966	149	3.80
11/28/2018 19:00	66.40	3004	111	3.70
11/28/2018 20:00	66.30	2545	86	3.40
11/28/2018 21:00	64.40	2211	86	3.90
11/28/2018 22:00	65.30	1575	74	4.70
11/28/2018 23:00	65.20	928	31	3.30
11/29/2018 0:00	65.30	669	27	4.00
11/29/2018 1:00	64.90	494	27	5.50
11/29/2018 2:00	65.10	513	33	6.40
11/29/2018 3:00	64.60	471	33	7.00
11/29/2018 4:00	65.10	877	32	3.60
11/29/2018 5:00	44.10	4234	113	2.70
11/29/2018 6:00	26.60	7407	205	2.80
11/29/2018 7:00	28.60	7644	357	4.70
11/29/2018 8:00	22.20	6479	413	6.40
11/29/2018 9:00	32.20	6028	372	6.20
11/29/2018 10:00	56.20	4532	303	6.70
11/29/2018 11:00	48.30	4586	310	6.80
11/29/2018 12:00	50.00	4728	291	6.20
11/29/2018 13:00	56.70	5037	279	5.50
11/29/2018 14:00	59.00	5653	241	4.30
11/29/2018 15:00	62.30	5269	171	3.20
11/29/2018 16:00	59.70	5180	171	3.30
11/29/2018 17:00	57.50	4570	173	3.80
11/29/2018 18:00	56.50	3466	137	4.00
11/29/2018 19:00	61.10	2608	113	4.30
11/29/2018 20:00	62.70	2346	86	3.70
11/29/2018 21:00	63.60	2028	93	4.60
11/29/2018 22:00	60.20	1471	58	3.90
11/29/2018 23:00	62.70	978	34	3.50
11/30/2018 0:00	63.90	627	30	4.80
11/30/2018 1:00	63.70	532	35	6.60
11/30/2018 2:00	64.80	548	38	6.90
11/30/2018 3:00	65.10	878	49	5.60
11/30/2018 4:00	63.80	2225	103	4.60
11/30/2018 5:00	63.30	5837	182	3.10
11/30/2018 6:00	31.20	7750	342	4.40
11/30/2018 7:00	26.10	7900	592	7.50
11/30/2018 8:00	28.20	7115	487	6.80
11/30/2018 9:00	59.60	5924	329	5.60
11/30/2018 10:00	60.00	5238	303	5.80
11/30/2018 11:00	60.30	5329	302	5.70
11/30/2018 12:00	60.90	5932	339	5.70
11/30/2018 13:00	61.70	6136	288	4.70
11/30/2018 14:00	62.00	6364	265	4.20
11/30/2018 15:00	63.00	5720	217	3.80
11/30/2018 16:00	63.80	5448	175	3.20



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/30/2018 17:00	62.60	4872	160	3.30
11/30/2018 18:00	63.90	4084	143	3.50
11/30/2018 19:00	65.10	3273	95	2.90
11/30/2018 20:00	65.00	2757	98	3.60
11/30/2018 21:00	65.10	2438	88	3.60
11/30/2018 22:00	65.80	2000	55	2.80
11/30/2018 23:00	65.80	1450	44	3.00
12/01/2018 0:00	65.00	1025	43	4.20
12/01/2018 1:00	65.80	750	36	4.80
12/01/2018 2:00	66.40	707	27	3.80
12/01/2018 3:00	66.40	734	41	5.60
12/01/2018 4:00	66.00	1173	69	5.90
12/01/2018 5:00	67.00	1925	67	3.50
12/01/2018 6:00	66.20	2823	120	4.30
12/01/2018 7:00	64.80	3837	145	3.80
12/01/2018 8:00	65.70	4304	155	3.60
12/01/2018 9:00	64.90	4385	157	3.60
12/01/2018 10:00	64.80	4523	157	3.50
12/01/2018 11:00	64.50	4845	164	3.40
12/01/2018 12:00	63.60	5241	194	3.70
12/01/2018 13:00	63.60	5219	172	3.30
12/01/2018 14:00	64.70	5031	141	2.80
12/01/2018 15:00	65.10	4908	122	2.50
12/01/2018 16:00	65.30	4958	143	2.90
12/01/2018 17:00	65.00	4584	116	2.50
12/01/2018 18:00	65.80	3701	95	2.60
12/01/2018 19:00	66.60	3166	70	2.20
12/01/2018 20:00	67.10	2679	52	1.90
12/01/2018 21:00	67.00	2652	52	2.00
12/01/2018 22:00	66.00	2277	46	2.00
12/01/2018 23:00	66.20	1690	41	2.40
12/02/2018 0:00	66.10	1076	22	2.00
12/02/2018 1:00	66.30	797	13	1.60
12/02/2018 2:00	66.70	643	9	1.40
12/02/2018 3:00	66.80	515	8	1.60
12/02/2018 4:00	66.50	620	21	3.40
12/02/2018 5:00	67.60	1040	26	2.50
12/02/2018 6:00	67.40	1613	38	2.40
12/02/2018 7:00	67.20	2173	54	2.50
12/02/2018 8:00	66.90	2811	92	3.30
12/02/2018 9:00	67.00	3354	77	2.30
12/02/2018 10:00	66.40	3736	95	2.50
12/02/2018 11:00	65.60	3978	129	3.20
12/02/2018 12:00	66.10	4323	114	2.60
12/02/2018 13:00	66.10	4512	112	2.50
12/02/2018 14:00	66.30	4304	118	2.70
12/02/2018 15:00	66.60	4324	117	2.70
12/02/2018 16:00	65.70	4249	97	2.30
12/02/2018 17:00	65.30	3920	102	2.60
12/02/2018 18:00	66.40	3358	87	2.60
12/02/2018 19:00	66.80	2951	64	2.20
12/02/2018 20:00	66.50	2482	66	2.70

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/02/2018 21:00	65.90	2152	53	2.50
12/02/2018 22:00	66.70	1457	40	2.70
12/02/2018 23:00	66.60	1098	30	2.70
12/03/2018 0:00	66.80	690	20	2.90
12/03/2018 1:00	66.00	539	27	5.00
12/03/2018 2:00	65.30	597	36	6.00
12/03/2018 3:00	66.50	984	49	5.00
12/03/2018 4:00	67.80	2473	90	3.60
12/03/2018 5:00	68.50	6320	153	2.40
12/03/2018 6:00	30.20	7881	354	4.50
12/03/2018 7:00	24.90	7544	404	5.40
12/03/2018 8:00	22.70	6998	430	6.10
12/03/2018 9:00	31.90	6701	388	5.80
12/03/2018 10:00	61.60	4947	290	5.90
12/03/2018 11:00	61.20	4639	291	6.30
12/03/2018 12:00	60.80	5081	308	6.10
12/03/2018 13:00	61.90	5482	298	5.40
12/03/2018 14:00	62.70	5877	273	4.60
12/03/2018 15:00	63.90	5952	235	3.90
12/03/2018 16:00	64.90	5631	170	3.00
12/03/2018 17:00	64.50	5086	175	3.40
12/03/2018 18:00	64.80	3746	132	3.50
12/03/2018 19:00	65.10	2941	119	4.00
12/03/2018 20:00	66.40	2427	81	3.30
12/03/2018 21:00	65.60	2182	89	4.10
12/03/2018 22:00	66.40	1513	51	3.40
12/03/2018 23:00	66.70	930	31	3.30
12/04/2018 0:00	65.80	668	40	6.00
12/04/2018 1:00	64.80	464	43	9.30
12/04/2018 2:00	65.80	521	39	7.50
12/04/2018 3:00	65.90	880	63	7.20
12/04/2018 4:00	66.90	2360	104	4.40
12/04/2018 5:00	68.80	6481	190	2.90
12/04/2018 6:00	32.80	8172	396	4.80
12/04/2018 7:00	26.10	7893	431	5.50
12/04/2018 8:00	27.90	7448	431	5.80
12/04/2018 9:00	52.70	6511	319	4.90
12/04/2018 10:00	63.00	4869	278	5.70
12/04/2018 11:00	61.90	4898	339	6.90
12/04/2018 12:00	62.20	4919	328	6.70
12/04/2018 13:00	62.70	5625	322	5.70
12/04/2018 14:00	63.70	6102	297	4.90
12/04/2018 15:00	63.60	6207	237	3.80
12/04/2018 16:00	64.90	5753	186	3.20
12/04/2018 17:00	65.00	5147	163	3.20
12/04/2018 18:00	65.90	3633	125	3.40
12/04/2018 19:00	66.00	3006	120	4.00
12/04/2018 20:00	65.80	2640	115	4.40
12/04/2018 21:00	66.50	2310	83	3.60
12/04/2018 22:00	66.60	1585	56	3.50
12/04/2018 23:00	65.90	992	42	4.20
12/05/2018 0:00	66.30	661	35	5.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/05/2018 1:00	66.20	468	22	4.70
12/05/2018 2:00	66.00	516	38	7.40
12/05/2018 3:00	66.70	934	62	6.60
12/05/2018 4:00	67.80	2035	82	4.00
12/05/2018 5:00	68.50	6225	197	3.20
12/05/2018 6:00	34.60	7925	354	4.50
12/05/2018 7:00	29.70	7996	533	6.70
12/05/2018 8:00	25.30	7409	453	6.10
12/05/2018 9:00	42.70	6235	311	5.00
12/05/2018 10:00	62.00	5019	321	6.40
12/05/2018 11:00	62.70	4770	297	6.20
12/05/2018 12:00	60.20	4968	281	5.70
12/05/2018 13:00	51.60	5206	252	4.80
12/05/2018 14:00	47.50	5371	234	4.40
12/05/2018 15:00	52.50	4784	183	3.80
12/05/2018 16:00	54.40	4311	159	3.70
12/05/2018 17:00	54.60	4128	165	4.00
12/05/2018 18:00	64.10	3190	87	2.70
12/05/2018 19:00	66.10	2587	82	3.20
12/05/2018 20:00	66.40	2305	63	2.70
12/05/2018 21:00	65.10	2518	91	3.60
12/05/2018 22:00	66.40	1505	49	3.30
12/05/2018 23:00	66.00	870	25	2.90
12/06/2018 0:00	66.20	589	24	4.10
12/06/2018 1:00	65.30	435	32	7.40
12/06/2018 2:00	66.20	492	27	5.50
12/06/2018 3:00	64.10	885	51	5.80
12/06/2018 4:00	65.50	2247	86	3.80
12/06/2018 5:00	58.20	5632	151	2.70
12/06/2018 6:00	23.10	6674	213	3.20
12/06/2018 7:00	21.40	6894	329	4.80
12/06/2018 8:00	21.90	7065	364	5.20
12/06/2018 9:00	24.30	6428	327	5.10
12/06/2018 10:00	56.50	4706	310	6.60
12/06/2018 11:00	60.20	4916	281	5.70
12/06/2018 12:00	61.00	5015	272	5.40
12/06/2018 13:00	61.30	5406	302	5.60
12/06/2018 14:00	61.70	5675	192	3.40
12/06/2018 15:00	61.00	5564	173	3.10
12/06/2018 16:00	54.10	4918	170	3.50
12/06/2018 17:00	46.00	4185	139	3.30
12/06/2018 18:00	44.40	3211	138	4.30
12/06/2018 19:00	52.70	2523	103	4.10
12/06/2018 20:00	54.60	2234	94	4.20
12/06/2018 21:00	55.00	1958	85	4.30
12/06/2018 22:00	59.70	1510	56	3.70
12/06/2018 23:00	63.90	956	29	3.00
12/07/2018 0:00	65.00	640	35	5.50
12/07/2018 1:00	65.30	536	24	4.50
12/07/2018 2:00	64.80	525	42	8.00
12/07/2018 3:00	65.70	924	54	5.80
12/07/2018 4:00	66.60	2288	87	3.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/07/2018 5:00	65.50	6106	175	2.90
12/07/2018 6:00	32.30	7801	421	5.40
12/07/2018 7:00	27.30	7972	624	7.80
12/07/2018 8:00	24.30	6864	316	4.60
12/07/2018 9:00	59.30	5793	317	5.50
12/07/2018 10:00	60.30	5084	330	6.50
12/07/2018 11:00	60.90	5522	323	5.80
12/07/2018 12:00	60.60	5803	309	5.30
12/07/2018 13:00	61.50	6207	307	4.90
12/07/2018 14:00	61.60	6168	240	3.90
12/07/2018 15:00	62.20	5600	209	3.70
12/07/2018 16:00	61.30	5116	177	3.50
12/07/2018 17:00	54.90	4766	138	2.90
12/07/2018 18:00	64.20	4117	126	3.10
12/07/2018 19:00	65.20	3363	101	3.00
12/07/2018 20:00	65.10	2881	108	3.70
12/07/2018 21:00	64.50	2649	95	3.60
12/07/2018 22:00	65.90	2255	62	2.70
12/07/2018 23:00	65.90	1693	38	2.20
12/08/2018 0:00	66.30	1069	30	2.80
12/08/2018 1:00	65.90	784	29	3.70
12/08/2018 2:00	65.90	710	33	4.60
12/08/2018 3:00	66.10	755	35	4.60
12/08/2018 4:00	67.90	1260	42	3.30
12/08/2018 5:00	66.30	1969	73	3.70
12/08/2018 6:00	66.10	2904	109	3.80
12/08/2018 7:00	64.80	3770	125	3.30
12/08/2018 8:00	65.10	4179	143	3.40
12/08/2018 9:00	65.00	4560	142	3.10
12/08/2018 10:00	64.40	4894	179	3.70
12/08/2018 11:00	64.10	5105	180	3.50
12/08/2018 12:00	64.30	5224	162	3.10
12/08/2018 13:00	64.20	5566	177	3.20
12/08/2018 14:00	64.70	5355	170	3.20
12/08/2018 15:00	65.40	5374	156	2.90
12/08/2018 16:00	64.80	5359	130	2.40
12/08/2018 17:00	64.50	4892	127	2.60
12/08/2018 18:00	65.10	4081	114	2.80
12/08/2018 19:00	66.90	3085	60	1.90
12/08/2018 20:00	66.60	3018	67	2.20
12/08/2018 21:00	66.70	2908	63	2.20
12/08/2018 22:00	67.40	3079	49	1.60
12/08/2018 23:00	67.20	2284	54	2.40
12/09/2018 0:00	66.20	1338	37	2.80
12/09/2018 1:00	66.00	865	10	1.20
12/09/2018 2:00	66.40	697	18	2.60
12/09/2018 3:00	65.80	597	30	5.00
12/09/2018 4:00	66.40	592	19	3.20
12/09/2018 5:00	68.20	1197	11	0.90
12/09/2018 6:00	67.60	1692	38	2.20
12/09/2018 7:00	66.50	2212	61	2.80
12/09/2018 8:00	66.20	2676	84	3.10

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/09/2018 9:00	66.20	3358	117	3.50
12/09/2018 10:00	66.90	3712	100	2.70
12/09/2018 11:00	65.40	4046	117	2.90
12/09/2018 12:00	65.60	4536	109	2.40
12/09/2018 13:00	65.30	4548	137	3.00
12/09/2018 14:00	65.40	4607	140	3.00
12/09/2018 15:00	65.80	4132	122	3.00
12/09/2018 16:00	65.90	4312	95	2.20
12/09/2018 17:00	65.40	4167	88	2.10
12/09/2018 18:00	65.20	3443	87	2.50
12/09/2018 19:00	66.20	3042	76	2.50
12/09/2018 20:00	65.50	2685	61	2.30
12/09/2018 21:00	65.40	2259	57	2.50
12/09/2018 22:00	66.90	1557	37	2.40
12/09/2018 23:00	65.90	1147	32	2.80
12/10/2018 0:00	67.00	766	27	3.50
12/10/2018 1:00	66.90	678	27	4.00
12/10/2018 2:00	66.50	666	39	5.90
12/10/2018 3:00	66.70	928	49	5.30
12/10/2018 4:00	67.50	2419	84	3.50
12/10/2018 5:00	68.60	6206	169	2.70
12/10/2018 6:00	30.80	7706	268	3.50
12/10/2018 7:00	24.00	7653	453	5.90
12/10/2018 8:00	24.90	7384	553	7.50
12/10/2018 9:00	56.80	5619	343	6.10
12/10/2018 10:00	61.10	4737	289	6.10
12/10/2018 11:00	61.30	4665	344	7.40
12/10/2018 12:00	61.90	4906	307	6.30
12/10/2018 13:00	63.10	5440	264	4.90
12/10/2018 14:00	63.80	5897	244	4.10
12/10/2018 15:00	64.40	5946	203	3.40
12/10/2018 16:00	63.60	5591	179	3.20
12/10/2018 17:00	64.10	4927	162	3.30
12/10/2018 18:00	65.50	3625	119	3.30
12/10/2018 19:00	65.80	2925	104	3.60
12/10/2018 20:00	65.90	2570	99	3.90
12/10/2018 21:00	65.50	2125	82	3.90
12/10/2018 22:00	67.50	1503	58	3.90
12/10/2018 23:00	66.60	1024	46	4.50
12/11/2018 0:00	64.10	671	38	5.70
12/11/2018 1:00	64.00	583	59	10.10
12/11/2018 2:00	65.70	520	34	6.50
12/11/2018 3:00	66.90	979	55	5.60
12/11/2018 4:00	67.80	2473	97	3.90
12/11/2018 5:00	68.40	6321	193	3.10
12/11/2018 6:00	29.00	7683	328	4.30
12/11/2018 7:00	23.80	7508	425	5.70
12/11/2018 8:00	25.50	7606	473	6.20
12/11/2018 9:00	37.00	5857	331	5.70
12/11/2018 10:00	62.40	5027	316	6.30
12/11/2018 11:00	62.90	4792	306	6.40
12/11/2018 12:00	62.10	5001	279	5.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/11/2018 13:00	62.90	5484	303	5.50
12/11/2018 14:00	63.10	6279	293	4.70
12/11/2018 15:00	64.40	6136	212	3.50
12/11/2018 16:00	65.70	5780	168	2.90
12/11/2018 17:00	65.00	5063	161	3.20
12/11/2018 18:00	66.40	3655	117	3.20
12/11/2018 19:00	66.80	3050	90	3.00
12/11/2018 20:00	65.70	2506	102	4.10
12/11/2018 21:00	65.50	2483	93	3.70
12/11/2018 22:00	67.20	1533	40	2.60
12/11/2018 23:00	66.40	1103	37	3.40
12/12/2018 0:00	66.40	664	37	5.60
12/12/2018 1:00	66.30	521	32	6.10
12/12/2018 2:00	66.20	514	36	7.00
12/12/2018 3:00	67.10	935	63	6.70
12/12/2018 4:00	68.30	2397	101	4.20
12/12/2018 5:00	69.50	6284	175	2.80
12/12/2018 6:00	31.90	7948	335	4.20
12/12/2018 7:00	27.20	7913	524	6.60
12/12/2018 8:00	25.40	7230	425	5.90
12/12/2018 9:00	42.10	6162	342	5.60
12/12/2018 10:00	62.10	5105	349	6.80
12/12/2018 11:00	61.90	5004	327	6.50
12/12/2018 12:00	62.00	5169	291	5.60
12/12/2018 13:00	61.40	5639	296	5.20
12/12/2018 14:00	63.40	5862	270	4.60
12/12/2018 15:00	64.60	5405	176	3.30
12/12/2018 16:00	64.90	5157	184	3.60
12/12/2018 17:00	64.60	4934	187	3.80
12/12/2018 18:00	65.70	3762	126	3.30
12/12/2018 19:00	66.80	2929	98	3.30
12/12/2018 20:00	66.90	2566	80	3.10
12/12/2018 21:00	66.50	2409	84	3.50
12/12/2018 22:00	66.70	1651	61	3.70
12/12/2018 23:00	66.00	992	38	3.80
12/13/2018 0:00	65.80	709	38	5.40
12/13/2018 1:00	65.00	553	33	6.00
12/13/2018 2:00	65.70	589	41	7.00
12/13/2018 3:00	65.60	956	68	7.10
12/13/2018 4:00	68.00	2470	96	3.90
12/13/2018 5:00	67.30	6396	177	2.80
12/13/2018 6:00	31.60	7842	338	4.30
12/13/2018 7:00	25.00	7593	495	6.50
12/13/2018 8:00	21.80	6814	375	5.50
12/13/2018 9:00	25.10	6828	375	5.50
12/13/2018 10:00	58.60	5296	335	6.30
12/13/2018 11:00	59.70	5347	335	6.30
12/13/2018 12:00	60.00	5651	344	6.10
12/13/2018 13:00	60.70	5971	311	5.20
12/13/2018 14:00	61.10	6304	292	4.60
12/13/2018 15:00	61.90	5873	219	3.70
12/13/2018 16:00	63.50	5212	182	3.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/13/2018 17:00	62.60	4700	158	3.40
12/13/2018 18:00	63.20	3565	115	3.20
12/13/2018 19:00	63.60	3029	107	3.50
12/13/2018 20:00	64.00	2760	93	3.40
12/13/2018 21:00	64.40	2806	111	4.00
12/13/2018 22:00	66.10	2006	59	2.90
12/13/2018 23:00	66.20	1247	30	2.40
12/14/2018 0:00	64.60	824	43	5.20
12/14/2018 1:00	63.40	615	51	8.30
12/14/2018 2:00	65.70	661	36	5.40
12/14/2018 3:00	66.10	994	55	5.50
12/14/2018 4:00	67.10	2328	107	4.60
12/14/2018 5:00	66.60	6158	178	2.90
12/14/2018 6:00	37.10	7624	263	3.40
12/14/2018 7:00	25.30	7734	517	6.70
12/14/2018 8:00	33.90	7040	410	5.80
12/14/2018 9:00	59.20	5861	294	5.00
12/14/2018 10:00	60.80	5429	344	6.30
12/14/2018 11:00	60.60	5593	348	6.20
12/14/2018 12:00	62.20	5767	273	4.70
12/14/2018 13:00	61.70	6354	324	5.10
12/14/2018 14:00	62.00	6507	285	4.40
12/14/2018 15:00	63.40	5903	208	3.50
12/14/2018 16:00	64.10	5075	169	3.30
12/14/2018 17:00	63.70	4964	146	2.90
12/14/2018 18:00	64.40	4126	139	3.40
12/14/2018 19:00	65.50	3406	103	3.00
12/14/2018 20:00	65.50	2900	104	3.60
12/14/2018 21:00	64.90	2885	94	3.30
12/14/2018 22:00	66.70	2396	67	2.80
12/14/2018 23:00	67.00	1778	33	1.90
12/15/2018 0:00	65.70	1147	42	3.70
12/15/2018 1:00	65.10	855	40	4.70
12/15/2018 2:00	66.20	695	30	4.30
12/15/2018 3:00	66.40	727	37	5.10
12/15/2018 4:00	67.00	1185	48	4.10
12/15/2018 5:00	66.60	1951	70	3.60
12/15/2018 6:00	66.30	3135	113	3.60
12/15/2018 7:00	65.00	3869	133	3.40
12/15/2018 8:00	65.80	4278	146	3.40
12/15/2018 9:00	64.60	4399	180	4.10
12/15/2018 10:00	64.80	4708	193	4.10
12/15/2018 11:00	65.00	4969	183	3.70
12/15/2018 12:00	64.40	5298	185	3.50
12/15/2018 13:00	64.40	5420	182	3.40
12/15/2018 14:00	65.40	5155	149	2.90
12/15/2018 15:00	64.80	5008	162	3.20
12/15/2018 16:00	65.00	5233	143	2.70
12/15/2018 17:00	65.00	4852	133	2.70
12/15/2018 18:00	65.60	4410	110	2.50
12/15/2018 19:00	66.20	3494	83	2.40
12/15/2018 20:00	66.90	3083	76	2.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/15/2018 21:00	66.80	2954	71	2.40
12/15/2018 22:00	66.80	2676	58	2.20
12/15/2018 23:00	66.70	1915	44	2.30
12/16/2018 0:00	66.90	1304	22	1.70
12/16/2018 1:00	66.30	1041	23	2.20
12/16/2018 2:00	66.20	820	18	2.20
12/16/2018 3:00	67.20	684	10	1.50
12/16/2018 4:00	66.00	702	29	4.10
12/16/2018 5:00	66.60	1162	33	2.80
12/16/2018 6:00	66.20	1642	40	2.40
12/16/2018 7:00	67.60	2132	48	2.30
12/16/2018 8:00	66.90	2749	73	2.70
12/16/2018 9:00	66.70	3357	89	2.70
12/16/2018 10:00	66.50	3738	104	2.80
12/16/2018 11:00	66.60	4161	108	2.60
12/16/2018 12:00	66.00	4561	116	2.50
12/16/2018 13:00	65.60	4727	130	2.80
12/16/2018 14:00	66.00	4685	124	2.60
12/16/2018 15:00	66.50	4576	109	2.40
12/16/2018 16:00	66.20	4400	87	2.00
12/16/2018 17:00	65.20	4152	96	2.30
12/16/2018 18:00	65.20	3887	102	2.60
12/16/2018 19:00	65.10	3528	91	2.60
12/16/2018 20:00	65.70	2969	73	2.50
12/16/2018 21:00	66.10	2475	62	2.50
12/16/2018 22:00	67.00	1819	42	2.30
12/16/2018 23:00	65.90	1203	37	3.10
12/17/2018 0:00	66.20	885	36	4.10
12/17/2018 1:00	67.00	714	24	3.40
12/17/2018 2:00	66.10	693	43	6.20
12/17/2018 3:00	67.70	992	38	3.80
12/17/2018 4:00	68.00	2474	84	3.40
12/17/2018 5:00	68.50	6335	174	2.70
12/17/2018 6:00	31.70	7629	346	4.50
12/17/2018 7:00	26.10	7847	544	6.90
12/17/2018 8:00	24.90	7363	447	6.10
12/17/2018 9:00	57.60	5710	357	6.30
12/17/2018 10:00	60.90	4896	333	6.80
12/17/2018 11:00	61.30	4868	334	6.90
12/17/2018 12:00	61.20	5307	322	6.10
12/17/2018 13:00	62.50	5613	316	5.60
12/17/2018 14:00	63.90	6021	264	4.40
12/17/2018 15:00	63.90	5993	237	4.00
12/17/2018 16:00	64.30	5314	175	3.30
12/17/2018 17:00	64.10	4903	157	3.20
12/17/2018 18:00	65.10	3669	138	3.80
12/17/2018 19:00	66.10	2955	99	3.40
12/17/2018 20:00	66.90	2449	83	3.40
12/17/2018 21:00	66.60	2111	87	4.10
12/17/2018 22:00	67.20	1581	59	3.70
12/17/2018 23:00	67.00	1076	34	3.20
12/18/2018 0:00	67.70	793	36	4.50



Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/18/2018 1:00	66.20	598	44	7.40
12/18/2018 2:00	65.50	532	47	8.80
12/18/2018 3:00	66.50	880	58	6.60
12/18/2018 4:00	68.50	2476	96	3.90
12/18/2018 5:00	68.90	6279	208	3.30
12/18/2018 6:00	31.70	7887	406	5.10
12/18/2018 7:00	27.10	7909	552	7.00
12/18/2018 8:00	24.00	7105	385	5.40
12/18/2018 9:00	42.90	6595	365	5.50
12/18/2018 10:00	62.70	5301	326	6.10
12/18/2018 11:00	62.60	5030	290	5.80
12/18/2018 12:00	62.30	5322	330	6.20
12/18/2018 13:00	62.20	5801	305	5.30
12/18/2018 14:00	62.70	6275	282	4.50
12/18/2018 15:00	64.50	5776	204	3.50
12/18/2018 16:00	65.10	4994	174	3.50
12/18/2018 17:00	64.80	4398	138	3.10
12/18/2018 18:00	65.80	3326	118	3.50
12/18/2018 19:00	66.20	2946	106	3.60
12/18/2018 20:00	67.00	2560	93	3.60
12/18/2018 21:00	65.50	2361	104	4.40
12/18/2018 22:00	65.80	1749	73	4.20
12/18/2018 23:00	66.00	979	39	4.00
12/19/2018 0:00	66.50	814	44	5.40
12/19/2018 1:00	65.90	602	40	6.60
12/19/2018 2:00	65.40	583	52	8.90
12/19/2018 3:00	67.50	897	43	4.80
12/19/2018 4:00	67.90	2387	116	4.90
12/19/2018 5:00	69.30	6399	194	3.00
12/19/2018 6:00	30.90	7772	310	4.00
12/19/2018 7:00	25.40	7738	478	6.20
12/19/2018 8:00	22.00	6815	336	4.90
12/19/2018 9:00	34.20	6672	369	5.50
12/19/2018 10:00	62.50	5309	336	6.30
12/19/2018 11:00	62.40	5197	314	6.00
12/19/2018 12:00	61.70	5534	361	6.50
12/19/2018 13:00	62.20	6088	335	5.50
12/19/2018 14:00	63.50	6192	274	4.40
12/19/2018 15:00	64.80	5810	211	3.60
12/19/2018 16:00	66.10	5156	162	3.10
12/19/2018 17:00	64.30	4929	163	3.30
12/19/2018 18:00	65.30	3611	117	3.20
12/19/2018 19:00	65.70	3056	118	3.90
12/19/2018 20:00	66.50	2762	104	3.80
12/19/2018 21:00	66.30	2509	95	3.80
12/19/2018 22:00	66.60	1852	75	4.00
12/19/2018 23:00	67.50	1194	38	3.20
12/20/2018 0:00	66.50	844	37	4.40
12/20/2018 1:00	66.30	576	29	5.00
12/20/2018 2:00	65.70	618	51	8.30
12/20/2018 3:00	66.80	975	72	7.40
12/20/2018 4:00	67.40	2344	101	4.30

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/20/2018 5:00	69.30	6313	207	3.30
12/20/2018 6:00	30.90	7697	384	5.00
12/20/2018 7:00	27.00	7775	585	7.50
12/20/2018 8:00	22.90	6965	484	6.90
12/20/2018 9:00	56.00	5972	375	6.30
12/20/2018 10:00	62.90	5431	337	6.20
12/20/2018 11:00	62.30	5662	338	6.00
12/20/2018 12:00	62.50	5631	339	6.00
12/20/2018 13:00	63.20	5935	332	5.60
12/20/2018 14:00	62.20	6460	266	4.10
12/20/2018 15:00	58.60	5513	166	3.00
12/20/2018 16:00	65.50	4892	166	3.40
12/20/2018 17:00	64.90	4648	150	3.20
12/20/2018 18:00	65.50	3618	129	3.60
12/20/2018 19:00	66.40	3085	93	3.00
12/20/2018 20:00	67.70	2743	94	3.40
12/20/2018 21:00	65.50	2558	124	4.80
12/20/2018 22:00	66.20	2036	73	3.60
12/20/2018 23:00	66.60	1247	39	3.10
12/21/2018 0:00	67.60	894	36	4.00
12/21/2018 1:00	66.00	669	34	5.10
12/21/2018 2:00	65.90	627	49	7.80
12/21/2018 3:00	67.00	927	54	5.80
12/21/2018 4:00	67.30	2376	119	5.00
12/21/2018 5:00	69.80	6089	173	2.80
12/21/2018 6:00	33.50	7706	394	5.10
12/21/2018 7:00	25.20	7687	572	7.40
12/21/2018 8:00	55.20	6351	330	5.20
12/21/2018 9:00	62.60	5876	310	5.30
12/21/2018 10:00	62.50	5598	339	6.10
12/21/2018 11:00	62.60	5972	338	5.70
12/21/2018 12:00	63.10	6175	331	5.40
12/21/2018 13:00	63.60	6306	290	4.60
12/21/2018 14:00	63.80	6458	261	4.00
12/21/2018 15:00	65.10	5596	213	3.80
12/21/2018 16:00	65.50	5040	188	3.70
12/21/2018 17:00	65.70	4553	137	3.00
12/21/2018 18:00	66.40	3978	127	3.20
12/21/2018 19:00	66.70	3412	98	2.90
12/21/2018 20:00	66.90	2846	108	3.80
12/21/2018 21:00	66.90	2577	84	3.30
12/21/2018 22:00	67.10	2274	67	2.90
12/21/2018 23:00	66.20	1628	59	3.60
12/22/2018 0:00	66.20	1050	32	3.00
12/22/2018 1:00	65.40	796	41	5.20
12/22/2018 2:00	64.90	677	41	6.10
12/22/2018 3:00	65.40	724	32	4.40
12/22/2018 4:00	66.50	1108	45	4.10
12/22/2018 5:00	66.50	1779	71	4.00
12/22/2018 6:00	65.20	2605	83	3.20
12/22/2018 7:00	65.60	3381	119	3.50
12/22/2018 8:00	65.60	4015	139	3.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/22/2018 9:00	65.20	4266	160	3.80
12/22/2018 10:00	64.80	4565	192	4.20
12/22/2018 11:00	65.20	4730	167	3.50
12/22/2018 12:00	65.50	5112	182	3.60
12/22/2018 13:00	65.50	5204	178	3.40
12/22/2018 14:00	65.70	4947	152	3.10
12/22/2018 15:00	66.50	4770	124	2.60
12/22/2018 16:00	66.70	4764	110	2.30
12/22/2018 17:00	65.40	4530	123	2.70
12/22/2018 18:00	65.40	4350	107	2.50
12/22/2018 19:00	66.00	3431	82	2.40
12/22/2018 20:00	66.70	2897	63	2.20
12/22/2018 21:00	66.70	2752	56	2.00
12/22/2018 22:00	66.70	2323	51	2.20
12/22/2018 23:00	66.60	1759	35	2.00
12/23/2018 0:00	66.80	1202	26	2.20
12/23/2018 1:00	66.30	844	16	1.90
12/23/2018 2:00	66.50	721	9	1.20
12/23/2018 3:00	65.50	637	24	3.80
12/23/2018 4:00	66.40	683	19	2.80
12/23/2018 5:00	66.80	1090	22	2.00
12/23/2018 6:00	66.00	1556	50	3.20
12/23/2018 7:00	67.90	2134	57	2.70
12/23/2018 8:00	66.50	2684	81	3.00
12/23/2018 9:00	66.40	3308	84	2.50
12/23/2018 10:00	65.80	3713	108	2.90
12/23/2018 11:00	65.80	3995	106	2.70
12/23/2018 12:00	66.20	4252	111	2.60
12/23/2018 13:00	66.40	4552	120	2.60
12/23/2018 14:00	66.40	4346	108	2.50
12/23/2018 15:00	65.90	4361	103	2.40
12/23/2018 16:00	66.10	4106	97	2.40
12/23/2018 17:00	65.10	4089	94	2.30
12/23/2018 18:00	64.90	3455	85	2.50
12/23/2018 19:00	65.60	3008	74	2.50
12/23/2018 20:00	66.20	2705	59	2.20
12/23/2018 21:00	67.20	2393	53	2.20
12/23/2018 22:00	68.10	1880	39	2.10
12/23/2018 23:00	67.90	1358	26	1.90
12/24/2018 0:00	66.90	941	27	2.90
12/24/2018 1:00	66.10	614	22	3.60
12/24/2018 2:00	65.70	554	35	6.30
12/24/2018 3:00	66.30	534	30	5.60
12/24/2018 4:00	67.10	1053	41	3.90
12/24/2018 5:00	68.80	2407	72	3.00
12/24/2018 6:00	65.70	3501	110	3.10
12/24/2018 7:00	66.50	4021	150	3.70
12/24/2018 8:00	67.00	3614	149	4.10
12/24/2018 9:00	65.60	3737	176	4.70
12/24/2018 10:00	66.50	3879	153	3.90
12/24/2018 11:00	66.10	4268	159	3.70
12/24/2018 12:00	67.50	4661	150	3.20

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/24/2018 13:00	67.20	4604	146	3.20
12/24/2018 14:00	67.80	4597	127	2.80
12/24/2018 15:00	67.90	4436	103	2.30
12/24/2018 16:00	68.30	4344	98	2.30
12/24/2018 17:00	66.80	4133	110	2.70
12/24/2018 18:00	67.60	3311	67	2.00
12/24/2018 19:00	68.70	2710	49	1.80
12/24/2018 20:00	66.90	2545	36	1.40
12/24/2018 21:00	69.70	2433	44	1.80
12/24/2018 22:00	69.90	2185	31	1.40
12/24/2018 23:00	68.60	1569	17	1.10
12/25/2018 0:00	68.00	1207	16	1.30
12/25/2018 1:00	69.30	915	6	0.70
12/25/2018 2:00	67.80	510	6	1.20
12/25/2018 3:00	67.20	332	4	1.20
12/25/2018 4:00	66.90	374	4	1.10
12/25/2018 5:00	68.10	616	9	1.50
12/25/2018 6:00	68.10	869	14	1.60
12/25/2018 7:00	68.50	1158	11	0.90
12/25/2018 8:00	66.60	1707	35	2.10
12/25/2018 9:00	62.80	2195	50	2.30
12/25/2018 10:00	63.10	2815	47	1.70
12/25/2018 11:00	64.80	3391	41	1.20
12/25/2018 12:00	63.80	3656	71	1.90
12/25/2018 13:00	66.20	3929	66	1.70
12/25/2018 14:00	66.40	3919	67	1.70
12/25/2018 15:00	67.40	3589	64	1.80
12/25/2018 16:00	67.80	3369	46	1.40
12/25/2018 17:00	66.00	3435	61	1.80
12/25/2018 18:00	66.40	3074	49	1.60
12/25/2018 19:00	66.00	3150	59	1.90
12/25/2018 20:00	65.80	2977	67	2.30
12/25/2018 21:00	68.50	2508	52	2.10
12/25/2018 22:00	67.70	1702	45	2.60
12/25/2018 23:00	67.50	1194	26	2.20
12/26/2018 0:00	68.10	741	18	2.40
12/26/2018 1:00	67.50	526	16	3.00
12/26/2018 2:00	67.60	619	25	4.00
12/26/2018 3:00	66.80	765	41	5.40
12/26/2018 4:00	68.60	1821	69	3.80
12/26/2018 5:00	70.70	4650	150	3.20
12/26/2018 6:00	64.30	6452	213	3.30
12/26/2018 7:00	65.70	5990	208	3.50
12/26/2018 8:00	64.90	5137	234	4.60
12/26/2018 9:00	64.40	4841	269	5.60
12/26/2018 10:00	63.60	4669	286	6.10
12/26/2018 11:00	64.60	4727	234	5.00
12/26/2018 12:00	64.70	4954	255	5.10
12/26/2018 13:00	64.20	5105	251	4.90
12/26/2018 14:00	64.60	5088	223	4.40
12/26/2018 15:00	66.50	5218	190	3.60
12/26/2018 16:00	66.50	4700	166	3.50

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/26/2018 17:00	66.50	4412	147	3.30
12/26/2018 18:00	67.00	3493	128	3.70
12/26/2018 19:00	67.40	2834	86	3.00
12/26/2018 20:00	66.80	2529	86	3.40
12/26/2018 21:00	59.60	2187	67	3.10
12/26/2018 22:00	68.40	1529	42	2.70
12/26/2018 23:00	67.60	1194	31	2.60
12/27/2018 0:00	66.30	805	37	4.60
12/27/2018 1:00	66.60	599	36	6.00
12/27/2018 2:00	66.20	581	48	8.30
12/27/2018 3:00	67.20	721	44	6.10
12/27/2018 4:00	68.60	1801	69	3.80
12/27/2018 5:00	69.80	5082	172	3.40
12/27/2018 6:00	63.70	7002	255	3.60
12/27/2018 7:00	64.80	6729	248	3.70
12/27/2018 8:00	65.40	5584	235	4.20
12/27/2018 9:00	64.40	5055	258	5.10
12/27/2018 10:00	63.30	5018	279	5.60
12/27/2018 11:00	63.30	5243	284	5.40
12/27/2018 12:00	63.90	5202	283	5.40
12/27/2018 13:00	63.60	5436	264	4.90
12/27/2018 14:00	64.70	5604	229	4.10
12/27/2018 15:00	65.90	5406	193	3.60
12/27/2018 16:00	66.20	4744	168	3.50
12/27/2018 17:00	65.90	4740	158	3.30
12/27/2018 18:00	67.00	3747	121	3.20
12/27/2018 19:00	68.00	2917	102	3.50
12/27/2018 20:00	68.40	2445	74	3.00
12/27/2018 21:00	66.30	2219	85	3.80
12/27/2018 22:00	67.60	1599	38	2.40
12/27/2018 23:00	66.10	1151	45	3.90
12/28/2018 0:00	67.00	759	25	3.30
12/28/2018 1:00	66.40	531	29	5.50
12/28/2018 2:00	66.00	579	36	6.20
12/28/2018 3:00	66.70	750	50	6.70
12/28/2018 4:00	67.80	1811	94	5.20
12/28/2018 5:00	70.90	4765	154	3.20
12/28/2018 6:00	64.60	6622	201	3.00
12/28/2018 7:00	64.80	6560	251	3.80
12/28/2018 8:00	65.00	5613	238	4.20
12/28/2018 9:00	64.10	5270	283	5.40
12/28/2018 10:00	62.90	4963	331	6.70
12/28/2018 11:00	63.30	5350	318	5.90
12/28/2018 12:00	64.20	5591	299	5.30
12/28/2018 13:00	64.50	5644	232	4.10
12/28/2018 14:00	64.50	5636	245	4.30
12/28/2018 15:00	65.60	5321	180	3.40
12/28/2018 16:00	66.50	4935	151	3.10
12/28/2018 17:00	66.50	4712	130	2.80
12/28/2018 18:00	67.50	3834	137	3.60
12/28/2018 19:00	67.20	3259	108	3.30
12/28/2018 20:00	67.50	2603	93	3.60

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/28/2018 21:00	68.50	2276	58	2.50
12/28/2018 22:00	66.70	1843	55	3.00
12/28/2018 23:00	67.60	1376	32	2.30
12/29/2018 0:00	66.10	937	33	3.50
12/29/2018 1:00	65.70	642	26	4.00
12/29/2018 2:00	66.30	587	30	5.10
12/29/2018 3:00	66.60	627	28	4.50
12/29/2018 4:00	67.00	848	34	4.00
12/29/2018 5:00	67.30	1624	70	4.30
12/29/2018 6:00	66.50	2331	65	2.80
12/29/2018 7:00	66.00	3043	91	3.00
12/29/2018 8:00	66.10	3534	127	3.60
12/29/2018 9:00	66.40	3778	131	3.50
12/29/2018 10:00	65.90	3998	160	4.00
12/29/2018 11:00	65.50	4332	163	3.80
12/29/2018 12:00	65.40	4536	164	3.60
12/29/2018 13:00	66.00	4866	143	2.90
12/29/2018 14:00	66.50	4694	140	3.00
12/29/2018 15:00	66.70	4567	118	2.60
12/29/2018 16:00	66.40	4491	104	2.30
12/29/2018 17:00	66.60	4077	97	2.40
12/29/2018 18:00	66.00	3721	93	2.50
12/29/2018 19:00	67.20	3440	79	2.30
12/29/2018 20:00	67.10	2571	50	1.90
12/29/2018 21:00	67.50	2418	50	2.10
12/29/2018 22:00	67.50	2030	43	2.10
12/29/2018 23:00	66.90	1538	22	1.40
12/30/2018 0:00	66.70	1135	29	2.60
12/30/2018 1:00	65.90	838	21	2.50
12/30/2018 2:00	65.80	606	18	3.00
12/30/2018 3:00	66.50	491	7	1.40
12/30/2018 4:00	66.20	564	19	3.40
12/30/2018 5:00	67.30	960	20	2.10
12/30/2018 6:00	66.60	1381	40	2.90
12/30/2018 7:00	67.30	1975	50	2.50
12/30/2018 8:00	66.80	2568	59	2.30
12/30/2018 9:00	66.70	3024	85	2.80
12/30/2018 10:00	66.60	3508	98	2.80

Table A-2-1. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117890  
 Located on Northbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/30/2018 11:00	66.30	3764	97	2.60
12/30/2018 12:00	66.20	3971	92	2.30
12/30/2018 13:00	66.40	4015	100	2.50
12/30/2018 14:00	66.50	3903	92	2.40
12/30/2018 15:00	67.10	3800	84	2.20
12/30/2018 16:00	66.40	3890	93	2.40
12/30/2018 17:00	65.90	3790	97	2.60
12/30/2018 18:00	65.80	3217	83	2.60
12/30/2018 19:00	65.90	2728	68	2.50
12/30/2018 20:00	66.60	2336	53	2.30
12/30/2018 21:00	66.40	1992	51	2.60
12/30/2018 22:00	66.50	1626	44	2.70
12/30/2018 23:00	66.10	1155	32	2.80
12/31/2018 0:00	66.10	757	25	3.30
12/31/2018 1:00	66.50	565	23	4.10
12/31/2018 2:00	66.00	496	33	6.70
12/31/2018 3:00	66.30	608	31	5.10
12/31/2018 4:00	67.80	1295	48	3.70
12/31/2018 5:00	69.30	3075	93	3.00
12/31/2018 6:00	64.80	4569	138	3.00
12/31/2018 7:00	64.30	5059	203	4.00
12/31/2018 8:00	64.70	4166	132	3.20
12/31/2018 9:00	63.00	3970	175	4.40
12/31/2018 10:00	62.40	3912	182	4.70
12/31/2018 11:00	62.40	4126	191	4.60
12/31/2018 12:00	62.20	4556	173	3.80
12/31/2018 13:00	58.70	4559	187	4.10
12/31/2018 14:00	61.20	4635	158	3.40
12/31/2018 15:00	60.10	4297	141	3.30
12/31/2018 16:00	63.80	3708	108	2.90
12/31/2018 17:00	53.70	3502	97	2.80
12/31/2018 18:00	58.20	3077	101	3.30
12/31/2018 19:00	61.90	2531	57	2.30
12/31/2018 20:00	61.30	2048	47	2.30
12/31/2018 21:00	64.90	1691	38	2.20
12/31/2018 22:00	66.60	1431	23	1.60
12/31/2018 23:00	66.90	983	15	1.50

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnodes=VDS&content=loops&tab=det\\_timeseries&station\\_id=1117890&s\\_time\\_id=1538352000&s\\_time\\_id\\_f=10%2F01%2F2018+00%3A00&e\\_time\\_id=1546300740&e\\_time\\_id\\_f=12%2F31%2F2018+23%3A59&tod=all&tod\\_from=0&tod\\_to=0&dow\\_0=on&dow\\_1=on&dow\\_2=on&dow\\_3=on&dow\\_4=on&dow\\_5=on&dow\\_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on](http://pems.dot.ca.gov/?report_form=1&dnodes=VDS&content=loops&tab=det_timeseries&station_id=1117890&s_time_id=1538352000&s_time_id_f=10%2F01%2F2018+00%3A00&e_time_id=1546300740&e_time_id_f=12%2F31%2F2018+23%3A59&tod=all&tod_from=0&tod_to=0&dow_0=on&dow_1=on&dow_2=on&dow_3=on&dow_4=on&dow_5=on&dow_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on)  
 Accessed: January 2019.

Abbreviations:

- % - percent
- mph - miles per hour
- SDSU - San Diego State University
- Veh - vehicle

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/01/2018 0:00	69.50	1474	82	5.60
1/01/2018 1:00	70.00	1701	80	4.70
1/01/2018 2:00	69.90	1132	56	4.90
1/01/2018 3:00	70.10	767	33	4.30
1/01/2018 4:00	69.70	583	32	5.50
1/01/2018 5:00	70.80	790	38	4.80
1/01/2018 6:00	69.60	856	52	6.10
1/01/2018 7:00	69.80	1123	66	5.90
1/01/2018 8:00	69.20	1414	91	6.40
1/01/2018 9:00	69.20	2026	147	7.30
1/01/2018 10:00	69.10	2658	185	7.00
1/01/2018 11:00	68.70	3511	242	6.90
1/01/2018 12:00	69.10	3921	270	6.90
1/01/2018 13:00	68.10	4492	309	6.90
1/01/2018 14:00	69.20	4422	277	6.30
1/01/2018 15:00	69.40	4387	284	6.50
1/01/2018 16:00	69.10	4183	271	6.50
1/01/2018 17:00	68.50	3764	248	6.60
1/01/2018 18:00	69.70	3668	215	5.90
1/01/2018 19:00	69.50	3125	166	5.30
1/01/2018 20:00	70.50	2798	152	5.40
1/01/2018 21:00	70.50	2410	133	5.50
1/01/2018 22:00	70.40	1906	108	5.70
1/01/2018 23:00	70.30	1210	54	4.50
1/02/2018 0:00	70.50	798	39	4.90
1/02/2018 1:00	70.70	485	24	4.90
1/02/2018 2:00	70.60	365	33	9.00
1/02/2018 3:00	70.60	435	45	10.30
1/02/2018 4:00	71.00	931	125	13.40
1/02/2018 5:00	71.60	2507	188	7.50
1/02/2018 6:00	68.00	3672	325	8.90
1/02/2018 7:00	69.60	4613	425	9.20
1/02/2018 8:00	65.70	4971	550	11.10
1/02/2018 9:00	64.70	4946	546	11.00
1/02/2018 10:00	63.80	5185	504	9.70
1/02/2018 11:00	64.00	5704	558	9.80
1/02/2018 12:00	64.20	6127	613	10.00
1/02/2018 13:00	64.50	6750	599	8.90
1/02/2018 14:00	64.80	8247	715	8.70
1/02/2018 15:00	64.00	8914	683	7.70
1/02/2018 16:00	64.00	8928	606	6.80
1/02/2018 17:00	63.50	8463	618	7.30
1/02/2018 18:00	67.30	6165	477	7.70
1/02/2018 19:00	70.70	4585	322	7.00
1/02/2018 20:00	70.50	3463	247	7.10
1/02/2018 21:00	70.90	2886	167	5.80
1/02/2018 22:00	70.20	2171	150	6.90
1/02/2018 23:00	70.50	1536	97	6.30
1/03/2018 0:00	70.90	1095	65	5.90
1/03/2018 1:00	70.70	679	56	8.20
1/03/2018 2:00	71.00	518	34	6.60
1/03/2018 3:00	71.20	475	41	8.60



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/03/2018 4:00	70.10	992	122	12.30
1/03/2018 5:00	71.40	2933	237	8.10
1/03/2018 6:00	68.60	4458	397	8.90
1/03/2018 7:00	66.80	5765	545	9.50
1/03/2018 8:00	66.50	5787	576	10.00
1/03/2018 9:00	66.10	5195	472	9.10
1/03/2018 10:00	64.60	5278	502	9.50
1/03/2018 11:00	64.80	5635	578	10.30
1/03/2018 12:00	64.80	6158	639	10.40
1/03/2018 13:00	65.10	6602	630	9.50
1/03/2018 14:00	65.00	8452	700	8.30
1/03/2018 15:00	65.20	9050	621	6.90
1/03/2018 16:00	64.20	9155	665	7.30
1/03/2018 17:00	62.50	9066	651	7.20
1/03/2018 18:00	64.70	7433	572	7.70
1/03/2018 19:00	68.90	4933	400	8.10
1/03/2018 20:00	70.10	3544	266	7.50
1/03/2018 21:00	69.80	2986	227	7.60
1/03/2018 22:00	69.60	2189	166	7.60
1/03/2018 23:00	69.40	1519	108	7.10
1/04/2018 0:00	70.50	1073	79	7.40
1/04/2018 1:00	70.40	645	52	8.10
1/04/2018 2:00	70.70	552	51	9.20
1/04/2018 3:00	70.00	520	61	11.70
1/04/2018 4:00	70.70	949	108	11.40
1/04/2018 5:00	72.00	2845	229	8.00
1/04/2018 6:00	67.10	4454	373	8.40
1/04/2018 7:00	67.10	5922	530	8.90
1/04/2018 8:00	65.40	5792	553	9.50
1/04/2018 9:00	64.60	5307	563	10.60
1/04/2018 10:00	64.20	5416	550	10.20
1/04/2018 11:00	64.00	5864	593	10.10
1/04/2018 12:00	63.70	6398	687	10.70
1/04/2018 13:00	63.80	6697	618	9.20
1/04/2018 14:00	62.90	8491	718	8.50
1/04/2018 15:00	64.20	8506	586	6.90
1/04/2018 16:00	63.30	9520	683	7.20
1/04/2018 17:00	54.80	9130	683	7.50
1/04/2018 18:00	59.60	8042	541	6.70
1/04/2018 19:00	69.30	5049	360	7.10
1/04/2018 20:00	70.50	3649	256	7.00
1/04/2018 21:00	70.30	3116	221	7.10
1/04/2018 22:00	70.40	2342	158	6.70
1/04/2018 23:00	70.60	1563	86	5.50
1/05/2018 0:00	70.80	1014	68	6.70
1/05/2018 1:00	70.60	677	58	8.60
1/05/2018 2:00	71.20	531	34	6.40
1/05/2018 3:00	70.70	535	74	13.80
1/05/2018 4:00	70.30	946	118	12.50
1/05/2018 5:00	72.40	2710	222	8.20
1/05/2018 6:00	69.30	4377	394	9.00
1/05/2018 7:00	68.00	5837	502	8.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/05/2018 8:00	66.70	5739	570	9.90
1/05/2018 9:00	65.60	5529	534	9.70
1/05/2018 10:00	65.20	5864	589	10.00
1/05/2018 11:00	65.10	6452	661	10.20
1/05/2018 12:00	65.00	6801	664	9.80
1/05/2018 13:00	64.50	7494	753	10.00
1/05/2018 14:00	64.40	9072	716	7.90
1/05/2018 15:00	63.70	9448	711	7.50
1/05/2018 16:00	55.20	9339	1101	11.80
1/05/2018 17:00	54.20	8714	1079	12.40
1/05/2018 18:00	63.90	7781	596	7.70
1/05/2018 19:00	70.10	5179	367	7.10
1/05/2018 20:00	70.40	4093	283	6.90
1/05/2018 21:00	70.50	3416	222	6.50
1/05/2018 22:00	70.20	2925	186	6.40
1/05/2018 23:00	70.50	2054	126	6.10
1/06/2018 0:00	71.00	1394	69	4.90
1/06/2018 1:00	69.90	963	54	5.60
1/06/2018 2:00	69.90	683	59	8.60
1/06/2018 3:00	70.50	527	45	8.50
1/06/2018 4:00	70.00	593	64	10.80
1/06/2018 5:00	69.80	1088	114	10.50
1/06/2018 6:00	69.80	2033	178	8.80
1/06/2018 7:00	70.80	3052	245	8.00
1/06/2018 8:00	70.60	4388	325	7.40
1/06/2018 9:00	68.70	5160	409	7.90
1/06/2018 10:00	69.00	5610	410	7.30
1/06/2018 11:00	67.30	6089	497	8.20
1/06/2018 12:00	66.50	6618	511	7.70
1/06/2018 13:00	67.30	6769	498	7.40
1/06/2018 14:00	67.80	6694	504	7.50
1/06/2018 15:00	67.90	6427	461	7.20
1/06/2018 16:00	68.00	6380	469	7.40
1/06/2018 17:00	66.60	6059	431	7.10
1/06/2018 18:00	69.00	4959	307	6.20
1/06/2018 19:00	69.50	4067	260	6.40
1/06/2018 20:00	69.50	3347	223	6.70
1/06/2018 21:00	70.30	2979	167	5.60
1/06/2018 22:00	70.40	2656	140	5.30
1/06/2018 23:00	70.30	1903	97	5.10
1/07/2018 0:00	70.20	1168	66	5.70
1/07/2018 1:00	69.70	709	36	5.10
1/07/2018 2:00	69.80	525	25	4.80
1/07/2018 3:00	69.90	396	27	6.80
1/07/2018 4:00	69.90	414	26	6.30
1/07/2018 5:00	70.80	752	54	7.20
1/07/2018 6:00	70.40	1227	67	5.50
1/07/2018 7:00	70.10	1839	118	6.40
1/07/2018 8:00	70.30	2639	185	7.00
1/07/2018 9:00	69.20	3739	276	7.40
1/07/2018 10:00	68.30	4242	329	7.80
1/07/2018 11:00	67.70	4538	359	7.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/07/2018 12:00	67.00	5031	413	8.20
1/07/2018 13:00	68.10	5027	375	7.50
1/07/2018 14:00	68.20	5097	357	7.00
1/07/2018 15:00	67.90	5156	386	7.50
1/07/2018 16:00	68.20	4956	347	7.00
1/07/2018 17:00	67.30	4856	370	7.60
1/07/2018 18:00	68.70	4226	279	6.60
1/07/2018 19:00	70.00	3525	203	5.80
1/07/2018 20:00	68.60	3029	213	7.00
1/07/2018 21:00	69.10	2565	172	6.70
1/07/2018 22:00	69.70	1767	98	5.50
1/07/2018 23:00	69.70	1213	72	5.90
1/08/2018 0:00	69.50	705	53	7.50
1/08/2018 1:00	69.50	412	29	7.00
1/08/2018 2:00	69.30	356	28	7.90
1/08/2018 3:00	69.00	497	68	13.70
1/08/2018 4:00	68.50	1042	130	12.50
1/08/2018 5:00	66.90	3205	250	7.80
1/08/2018 6:00	65.10	4726	379	8.00
1/08/2018 7:00	64.50	6138	495	8.10
1/08/2018 8:00	62.00	6053	572	9.40
1/08/2018 9:00	60.70	5466	520	9.50
1/08/2018 10:00	61.10	5109	537	10.50
1/08/2018 11:00	61.90	5292	547	10.30
1/08/2018 12:00	61.70	5878	630	10.70
1/08/2018 13:00	61.20	6322	582	9.20
1/08/2018 14:00	54.30	8173	516	6.30
1/08/2018 15:00	58.90	8952	635	7.10
1/08/2018 16:00	48.40	8359	1118	13.40
1/08/2018 17:00	33.20	7923	821	10.40
1/08/2018 18:00	46.60	7875	907	11.50
1/08/2018 19:00	62.20	5363	383	7.10
1/08/2018 20:00	67.40	3316	241	7.30
1/08/2018 21:00	67.50	2764	184	6.70
1/08/2018 22:00	68.30	1963	132	6.70
1/08/2018 23:00	67.60	1345	92	6.80
1/09/2018 0:00	66.70	949	57	6.00
1/09/2018 1:00	68.70	603	32	5.30
1/09/2018 2:00	70.50	515	32	6.20
1/09/2018 3:00	70.20	506	61	12.10
1/09/2018 4:00	68.90	908	116	12.80
1/09/2018 5:00	65.40	2702	178	6.60
1/09/2018 6:00	64.10	4134	305	7.40
1/09/2018 7:00	65.50	5219	381	7.30
1/09/2018 8:00	59.20	5500	531	9.70
1/09/2018 9:00	57.80	4864	524	10.80
1/09/2018 10:00	61.10	4431	432	9.70
1/09/2018 11:00	62.00	5103	529	10.40
1/09/2018 12:00	63.60	5329	549	10.30
1/09/2018 13:00	63.90	5798	525	9.10
1/09/2018 14:00	61.50	7503	634	8.40
1/09/2018 15:00	59.00	8070	617	7.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/09/2018 16:00	55.40	7917	543	6.90
1/09/2018 17:00	33.70	7447	1452	19.50
1/09/2018 18:00	48.60	7138	620	8.70
1/09/2018 19:00	61.80	4730	361	7.60
1/09/2018 20:00	61.60	3172	221	7.00
1/09/2018 21:00	64.30	2581	161	6.20
1/09/2018 22:00	67.70	1946	128	6.60
1/09/2018 23:00	70.00	1462	88	6.00
1/10/2018 0:00	70.00	909	59	6.50
1/10/2018 1:00	70.50	588	42	7.10
1/10/2018 2:00	70.20	488	32	6.60
1/10/2018 3:00	70.10	503	68	13.50
1/10/2018 4:00	70.70	979	116	11.80
1/10/2018 5:00	69.80	2872	212	7.40
1/10/2018 6:00	66.40	4616	378	8.20
1/10/2018 7:00	65.80	5941	479	8.10
1/10/2018 8:00	64.30	5846	547	9.40
1/10/2018 9:00	63.90	5529	557	10.10
1/10/2018 10:00	61.50	5141	533	10.40
1/10/2018 11:00	64.00	5525	571	10.30
1/10/2018 12:00	64.20	6096	611	10.00
1/10/2018 13:00	64.40	6366	600	9.40
1/10/2018 14:00	64.60	8523	739	8.70
1/10/2018 15:00	64.20	9137	684	7.50
1/10/2018 16:00	63.60	9424	684	7.30
1/10/2018 17:00	62.10	8753	641	7.30
1/10/2018 18:00	62.30	7433	599	8.10
1/10/2018 19:00	68.80	5156	406	7.90
1/10/2018 20:00	69.30	3649	273	7.50
1/10/2018 21:00	70.00	3077	211	6.90
1/10/2018 22:00	70.30	2203	142	6.40
1/10/2018 23:00	70.00	1480	109	7.40
1/11/2018 0:00	70.60	1014	66	6.50
1/11/2018 1:00	70.40	614	43	7.00
1/11/2018 2:00	70.40	544	43	7.90
1/11/2018 3:00	70.10	510	66	12.90
1/11/2018 4:00	70.50	1012	130	12.80
1/11/2018 5:00	72.70	2984	218	7.30
1/11/2018 6:00	68.50	4681	395	8.40
1/11/2018 7:00	68.00	5948	451	7.60
1/11/2018 8:00	64.80	5870	592	10.10
1/11/2018 9:00	63.40	5956	627	10.50
1/11/2018 10:00	63.10	5520	597	10.80
1/11/2018 11:00	64.50	5654	637	11.30
1/11/2018 12:00	63.70	6324	634	10.00
1/11/2018 13:00	63.30	6757	663	9.80
1/11/2018 14:00	63.90	8285	692	8.40
1/11/2018 15:00	63.60	9221	698	7.60
1/11/2018 16:00	63.30	9482	684	7.20
1/11/2018 17:00	55.80	8909	954	10.70
1/11/2018 18:00	48.10	8523	1149	13.50
1/11/2018 19:00	66.90	6056	458	7.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/11/2018 20:00	69.90	4027	281	7.00
1/11/2018 21:00	69.70	3246	234	7.20
1/11/2018 22:00	70.20	2307	158	6.80
1/11/2018 23:00	69.30	1587	116	7.30
1/12/2018 0:00	70.70	1068	73	6.80
1/12/2018 1:00	70.80	692	48	6.90
1/12/2018 2:00	70.20	513	46	9.00
1/12/2018 3:00	70.60	544	55	10.10
1/12/2018 4:00	69.70	1005	146	14.50
1/12/2018 5:00	71.80	2810	224	8.00
1/12/2018 6:00	69.70	4544	446	9.80
1/12/2018 7:00	67.10	6038	563	9.30
1/12/2018 8:00	64.40	6093	638	10.50
1/12/2018 9:00	64.10	5772	629	10.90
1/12/2018 10:00	63.80	5943	595	10.00
1/12/2018 11:00	63.40	6206	683	11.00
1/12/2018 12:00	63.10	6865	701	10.20
1/12/2018 13:00	63.50	7450	688	9.20
1/12/2018 14:00	63.70	9009	761	8.40
1/12/2018 15:00	63.30	9137	655	7.20
1/12/2018 16:00	53.60	9452	404	4.30
1/12/2018 17:00	58.60	9124	827	9.10
1/12/2018 18:00	56.50	8375	926	11.10
1/12/2018 19:00	68.10	5764	418	7.30
1/12/2018 20:00	70.30	4570	310	6.80
1/12/2018 21:00	69.60	3697	240	6.50
1/12/2018 22:00	70.20	2890	198	6.90
1/12/2018 23:00	69.70	2109	122	5.80
1/13/2018 0:00	70.30	1407	82	5.80
1/13/2018 1:00	69.50	909	74	8.10
1/13/2018 2:00	69.80	746	58	7.80
1/13/2018 3:00	70.30	533	53	9.90
1/13/2018 4:00	69.30	615	86	14.00
1/13/2018 5:00	71.20	1150	102	8.90
1/13/2018 6:00	69.90	2054	183	8.90
1/13/2018 7:00	69.70	3451	283	8.20
1/13/2018 8:00	69.80	4738	316	6.70
1/13/2018 9:00	68.70	5671	425	7.50
1/13/2018 10:00	68.40	6123	472	7.70
1/13/2018 11:00	66.50	6898	541	7.80
1/13/2018 12:00	64.30	7279	618	8.50
1/13/2018 13:00	65.10	7221	540	7.50
1/13/2018 14:00	65.80	7028	518	7.40
1/13/2018 15:00	67.40	6527	459	7.00
1/13/2018 16:00	66.90	6565	488	7.40
1/13/2018 17:00	66.10	6293	450	7.20
1/13/2018 18:00	66.60	5461	405	7.40
1/13/2018 19:00	69.50	4173	285	6.80
1/13/2018 20:00	69.20	3561	238	6.70
1/13/2018 21:00	70.20	3346	181	5.40
1/13/2018 22:00	70.00	2595	145	5.60
1/13/2018 23:00	70.10	1899	99	5.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/14/2018 0:00	69.90	1186	69	5.80
1/14/2018 1:00	69.70	780	30	3.80
1/14/2018 2:00	69.90	580	23	4.00
1/14/2018 3:00	69.90	422	31	7.30
1/14/2018 4:00	70.30	443	32	7.20
1/14/2018 5:00	70.90	811	57	7.00
1/14/2018 6:00	70.20	1179	84	7.10
1/14/2018 7:00	69.00	2002	147	7.30
1/14/2018 8:00	68.70	2744	211	7.70
1/14/2018 9:00	69.00	3869	278	7.20
1/14/2018 10:00	68.10	4699	346	7.40
1/14/2018 11:00	68.20	4888	373	7.60
1/14/2018 12:00	67.20	5358	440	8.20
1/14/2018 13:00	66.80	5465	423	7.70
1/14/2018 14:00	67.30	5332	408	7.70
1/14/2018 15:00	67.80	5349	435	8.10
1/14/2018 16:00	67.30	5040	372	7.40
1/14/2018 17:00	66.60	5087	388	7.60
1/14/2018 18:00	67.60	4582	322	7.00
1/14/2018 19:00	68.80	3611	231	6.40
1/14/2018 20:00	69.50	3158	188	6.00
1/14/2018 21:00	69.30	2768	156	5.60
1/14/2018 22:00	69.70	1996	113	5.70
1/14/2018 23:00	69.90	1399	80	5.70
1/15/2018 0:00	70.10	775	34	4.40
1/15/2018 1:00	69.80	512	31	6.10
1/15/2018 2:00	69.30	363	24	6.60
1/15/2018 3:00	69.00	402	45	11.20
1/15/2018 4:00	67.20	780	127	16.30
1/15/2018 5:00	67.00	1862	170	9.10
1/15/2018 6:00	62.90	3074	299	9.70
1/15/2018 7:00	63.30	3884	360	9.30
1/15/2018 8:00	61.60	4566	487	10.70
1/15/2018 9:00	61.50	4768	476	10.00
1/15/2018 10:00	61.20	5194	537	10.30
1/15/2018 11:00	61.20	5716	594	10.40
1/15/2018 12:00	61.20	5995	661	11.00
1/15/2018 13:00	61.10	6390	637	10.00
1/15/2018 14:00	62.20	8000	660	8.30
1/15/2018 15:00	62.60	8749	640	7.30
1/15/2018 16:00	62.80	8426	608	7.20
1/15/2018 17:00	64.40	7600	548	7.20
1/15/2018 18:00	65.90	5861	439	7.50
1/15/2018 19:00	67.40	4253	307	7.20
1/15/2018 20:00	67.80	3272	236	7.20
1/15/2018 21:00	68.50	2740	162	5.90
1/15/2018 22:00	68.40	2025	142	7.00
1/15/2018 23:00	68.20	1453	106	7.30
1/16/2018 0:00	69.90	993	71	7.20
1/16/2018 1:00	69.80	575	46	8.00
1/16/2018 2:00	70.80	444	40	9.00
1/16/2018 3:00	70.60	497	72	14.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/16/2018 4:00	70.90	1096	144	13.10
1/16/2018 5:00	72.60	3206	249	7.80
1/16/2018 6:00	71.00	4998	397	7.90
1/16/2018 7:00	71.00	6313	568	9.00
1/16/2018 8:00	66.50	5297	520	9.80
1/16/2018 9:00	66.50	5169	454	8.80
1/16/2018 10:00	64.20	5736	593	10.30
1/16/2018 11:00	61.30	6370	745	11.70
1/16/2018 12:00	62.90	6271	676	10.80
1/16/2018 13:00	64.00	6765	673	9.90
1/16/2018 14:00	63.80	8613	715	8.30
1/16/2018 15:00	63.90	9398	713	7.60
1/16/2018 16:00	53.00	9482	1251	13.20
1/16/2018 17:00	39.60	8637	1669	19.30
1/16/2018 18:00	41.10	7711	1381	17.90
1/16/2018 19:00	68.60	5314	388	7.30
1/16/2018 20:00	68.90	3977	292	7.30
1/16/2018 21:00	68.60	3091	237	7.70
1/16/2018 22:00	68.80	2201	147	6.70
1/16/2018 23:00	70.30	1520	115	7.60
1/17/2018 0:00	71.10	981	81	8.30
1/17/2018 1:00	70.90	641	39	6.10
1/17/2018 2:00	71.00	497	32	6.40
1/17/2018 3:00	71.00	495	65	13.10
1/17/2018 4:00	70.10	1036	149	14.40
1/17/2018 5:00	71.60	3166	241	7.60
1/17/2018 6:00	70.80	4926	412	8.40
1/17/2018 7:00	68.00	6480	562	8.70
1/17/2018 8:00	64.40	6396	645	10.10
1/17/2018 9:00	63.40	5982	631	10.50
1/17/2018 10:00	62.90	5905	607	10.30
1/17/2018 11:00	62.40	6122	692	11.30
1/17/2018 12:00	63.00	6518	687	10.50
1/17/2018 13:00	62.60	6819	667	9.80
1/17/2018 14:00	63.20	8553	723	8.50
1/17/2018 15:00	47.40	8737	1389	15.90
1/17/2018 16:00	47.40	9090	1176	12.90
1/17/2018 17:00	55.20	8454	1040	12.30
1/17/2018 18:00	32.90	6909	1467	21.20
1/17/2018 19:00	52.20	6529	950	14.60
1/17/2018 20:00	68.50	4075	330	8.10
1/17/2018 21:00	68.80	3358	287	8.50
1/17/2018 22:00	69.90	2254	152	6.70
1/17/2018 23:00	69.50	1534	134	8.70
1/18/2018 0:00	70.40	1017	73	7.20
1/18/2018 1:00	70.40	636	42	6.60
1/18/2018 2:00	69.70	488	46	9.40
1/18/2018 3:00	71.00	533	64	12.00
1/18/2018 4:00	70.70	1173	134	11.40
1/18/2018 5:00	72.30	3390	239	7.10
1/18/2018 6:00	67.60	4909	406	8.30
1/18/2018 7:00	66.60	6748	589	8.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/18/2018 8:00	64.50	6558	656	10.00
1/18/2018 9:00	64.30	5762	558	9.70
1/18/2018 10:00	62.70	5736	633	11.00
1/18/2018 11:00	63.20	5718	633	11.10
1/18/2018 12:00	62.60	6373	695	10.90
1/18/2018 13:00	62.70	7054	680	9.60
1/18/2018 14:00	62.20	8468	747	8.80
1/18/2018 15:00	59.40	9259	943	10.20
1/18/2018 16:00	48.10	9127	1317	14.40
1/18/2018 17:00	45.40	8995	1526	17.00
1/18/2018 18:00	45.80	8463	1516	17.90
1/18/2018 19:00	63.00	5814	523	9.00
1/18/2018 20:00	69.00	4023	281	7.00
1/18/2018 21:00	69.70	3335	228	6.80
1/18/2018 22:00	69.60	2420	174	7.20
1/18/2018 23:00	69.20	1577	120	7.60
1/19/2018 0:00	70.70	1054	70	6.60
1/19/2018 1:00	69.20	703	74	10.50
1/19/2018 2:00	70.30	560	46	8.20
1/19/2018 3:00	70.40	530	63	11.90
1/19/2018 4:00	69.60	1047	163	15.60
1/19/2018 5:00	72.20	2771	228	8.20
1/19/2018 6:00	71.90	4495	397	8.80
1/19/2018 7:00	67.50	6476	550	8.50
1/19/2018 8:00	65.30	6356	663	10.40
1/19/2018 9:00	64.40	5878	627	10.70
1/19/2018 10:00	63.40	6047	644	10.60
1/19/2018 11:00	64.70	6299	696	11.00
1/19/2018 12:00	64.00	6745	717	10.60
1/19/2018 13:00	64.70	7566	699	9.20
1/19/2018 14:00	64.40	9238	774	8.40
1/19/2018 15:00	64.60	9340	695	7.40
1/19/2018 16:00	37.40	8359	702	8.40
1/19/2018 17:00	31.80	8506	508	6.00
1/19/2018 18:00	50.70	8504	858	10.10
1/19/2018 19:00	65.50	6322	444	7.00
1/19/2018 20:00	69.50	4476	292	6.50
1/19/2018 21:00	70.40	3598	249	6.90
1/19/2018 22:00	70.60	2987	177	5.90
1/19/2018 23:00	69.20	2110	128	6.10
1/20/2018 0:00	70.00	1388	97	7.00
1/20/2018 1:00	69.70	846	61	7.20
1/20/2018 2:00	69.60	696	59	8.50
1/20/2018 3:00	69.90	506	55	10.90
1/20/2018 4:00	69.70	610	73	12.00
1/20/2018 5:00	71.30	1057	97	9.20
1/20/2018 6:00	70.90	2047	200	9.80
1/20/2018 7:00	70.90	3384	255	7.50
1/20/2018 8:00	69.80	4888	395	8.10
1/20/2018 9:00	69.00	5444	425	7.80
1/20/2018 10:00	68.50	6010	448	7.50
1/20/2018 11:00	67.30	6490	540	8.30



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/20/2018 12:00	65.80	7090	576	8.10
1/20/2018 13:00	66.00	7055	546	7.70
1/20/2018 14:00	66.90	6782	507	7.50
1/20/2018 15:00	67.80	6776	461	6.80
1/20/2018 16:00	67.90	6662	476	7.10
1/20/2018 17:00	66.70	6607	434	6.60
1/20/2018 18:00	67.60	5616	356	6.30
1/20/2018 19:00	69.00	4387	313	7.10
1/20/2018 20:00	69.60	3561	220	6.20
1/20/2018 21:00	69.90	3218	164	5.10
1/20/2018 22:00	70.20	2870	147	5.10
1/20/2018 23:00	70.20	1938	106	5.50
1/21/2018 0:00	70.10	1317	63	4.80
1/21/2018 1:00	69.80	752	34	4.50
1/21/2018 2:00	69.60	577	15	2.60
1/21/2018 3:00	70.20	431	28	6.50
1/21/2018 4:00	69.80	418	39	9.30
1/21/2018 5:00	70.80	740	49	6.60
1/21/2018 6:00	69.90	1182	80	6.80
1/21/2018 7:00	69.80	1843	119	6.50
1/21/2018 8:00	68.80	2760	206	7.50
1/21/2018 9:00	69.70	3704	270	7.30
1/21/2018 10:00	68.10	4532	326	7.20
1/21/2018 11:00	67.70	5051	420	8.30
1/21/2018 12:00	67.50	5181	405	7.80
1/21/2018 13:00	61.60	5205	390	7.50
1/21/2018 14:00	67.80	5016	390	7.80
1/21/2018 15:00	68.30	5193	391	7.50
1/21/2018 16:00	68.60	5236	373	7.10
1/21/2018 17:00	67.40	5018	366	7.30
1/21/2018 18:00	66.80	4686	370	7.90
1/21/2018 19:00	67.50	4306	316	7.30
1/21/2018 20:00	69.30	3519	229	6.50
1/21/2018 21:00	69.70	2717	145	5.30
1/21/2018 22:00	69.70	1791	106	5.90
1/21/2018 23:00	69.60	1202	79	6.60
1/22/2018 0:00	69.80	671	36	5.40
1/22/2018 1:00	69.50	422	31	7.30
1/22/2018 2:00	69.60	322	28	8.70
1/22/2018 3:00	68.70	458	62	13.50
1/22/2018 4:00	67.70	1089	148	13.60
1/22/2018 5:00	68.10	3177	255	8.00
1/22/2018 6:00	67.20	4764	400	8.40
1/22/2018 7:00	66.40	6481	558	8.60
1/22/2018 8:00	62.60	6455	684	10.60
1/22/2018 9:00	61.60	5784	621	10.70
1/22/2018 10:00	61.50	5400	610	11.30
1/22/2018 11:00	60.90	5662	620	11.00
1/22/2018 12:00	60.80	6301	698	11.10
1/22/2018 13:00	60.90	6606	668	10.10
1/22/2018 14:00	60.60	8645	791	9.10
1/22/2018 15:00	51.70	9056	1154	12.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/22/2018 16:00	40.90	8653	1330	15.40
1/22/2018 17:00	39.60	8900	1596	17.90
1/22/2018 18:00	56.40	7463	711	9.50
1/22/2018 19:00	67.40	4790	375	7.80
1/22/2018 20:00	67.90	3589	268	7.50
1/22/2018 21:00	68.30	2923	207	7.10
1/22/2018 22:00	69.00	1927	128	6.60
1/22/2018 23:00	69.00	1388	97	7.00
1/23/2018 0:00	70.20	914	67	7.30
1/23/2018 1:00	70.70	596	42	7.00
1/23/2018 2:00	70.50	481	49	10.20
1/23/2018 3:00	70.10	530	71	13.40
1/23/2018 4:00	71.70	1071	109	10.20
1/23/2018 5:00	72.40	3234	248	7.70
1/23/2018 6:00	71.00	4872	396	8.10
1/23/2018 7:00	68.90	6699	592	8.80
1/23/2018 8:00	65.40	6482	625	9.60
1/23/2018 9:00	65.60	5799	579	10.00
1/23/2018 10:00	63.80	5677	597	10.50
1/23/2018 11:00	61.60	6119	698	11.40
1/23/2018 12:00	62.10	6307	703	11.10
1/23/2018 13:00	63.20	6725	695	10.30
1/23/2018 14:00	63.20	8524	785	9.20
1/23/2018 15:00	49.10	8720	1333	15.30
1/23/2018 16:00	50.40	9328	1095	11.70
1/23/2018 17:00	57.50	8985	927	10.30
1/23/2018 18:00	58.90	8653	715	8.30
1/23/2018 19:00	66.20	5829	485	8.30
1/23/2018 20:00	67.70	4090	321	7.80
1/23/2018 21:00	68.40	3198	230	7.20
1/23/2018 22:00	69.10	1933	145	7.50
1/23/2018 23:00	69.70	1674	103	6.20
1/24/2018 0:00	69.80	1119	92	8.20
1/24/2018 1:00	70.50	644	50	7.80
1/24/2018 2:00	70.70	462	29	6.30
1/24/2018 3:00	70.00	487	66	13.60
1/24/2018 4:00	69.80	1049	150	14.30
1/24/2018 5:00	71.70	3175	233	7.30
1/24/2018 6:00	69.20	4884	417	8.50
1/24/2018 7:00	67.10	6407	564	8.80
1/24/2018 8:00	64.00	6621	701	10.60
1/24/2018 9:00	64.30	5908	616	10.40
1/24/2018 10:00	62.80	6000	664	11.10
1/24/2018 11:00	63.00	6458	738	11.40
1/24/2018 12:00	63.50	6171	679	11.00
1/24/2018 13:00	63.30	6743	679	10.10
1/24/2018 14:00	63.90	8647	778	9.00
1/24/2018 15:00	52.20	9096	1154	12.70
1/24/2018 16:00	60.20	9540	743	7.80
1/24/2018 17:00	62.10	9227	669	7.30
1/24/2018 18:00	58.60	8514	888	10.40
1/24/2018 19:00	66.80	6037	524	8.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/24/2018 20:00	69.50	4041	314	7.80
1/24/2018 21:00	70.10	3382	265	7.80
1/24/2018 22:00	69.80	2280	159	7.00
1/24/2018 23:00	68.80	1482	118	8.00
1/25/2018 0:00	70.10	997	58	5.80
1/25/2018 1:00	70.20	676	64	9.50
1/25/2018 2:00	70.10	487	44	9.00
1/25/2018 3:00	70.00	515	69	13.40
1/25/2018 4:00	70.80	1106	146	13.20
1/25/2018 5:00	71.50	3046	238	7.80
1/25/2018 6:00	66.60	4982	470	9.40
1/25/2018 7:00	66.70	6459	583	9.00
1/25/2018 8:00	64.80	6391	614	9.60
1/25/2018 9:00	64.40	5775	607	10.50
1/25/2018 10:00	62.80	5718	636	11.10
1/25/2018 11:00	62.40	6126	652	10.60
1/25/2018 12:00	61.90	6644	727	10.90
1/25/2018 13:00	62.70	7116	717	10.10
1/25/2018 14:00	63.10	8661	736	8.50
1/25/2018 15:00	62.00	9197	764	8.30
1/25/2018 16:00	63.80	9445	667	7.10
1/25/2018 17:00	51.00	9241	1236	13.40
1/25/2018 18:00	58.60	8830	785	8.90
1/25/2018 19:00	67.00	5948	442	7.40
1/25/2018 20:00	69.90	4154	288	6.90
1/25/2018 21:00	69.40	3378	255	7.50
1/25/2018 22:00	69.50	2384	190	8.00
1/25/2018 23:00	69.10	1581	118	7.50
1/26/2018 0:00	70.50	1087	82	7.50
1/26/2018 1:00	70.00	636	54	8.50
1/26/2018 2:00	70.10	513	42	8.20
1/26/2018 3:00	70.60	547	68	12.40
1/26/2018 4:00	69.90	1096	150	13.70
1/26/2018 5:00	72.00	3142	272	8.70
1/26/2018 6:00	66.20	4470	306	6.80
1/26/2018 7:00	64.10	5492	285	5.20
1/26/2018 8:00	63.40	5179	243	4.70
1/26/2018 9:00	63.30	5148	251	4.90
1/26/2018 10:00	62.50	5172	255	4.90
1/26/2018 11:00	62.50	5656	282	5.00
1/26/2018 12:00	61.60	6248	330	5.30
1/26/2018 13:00	61.30	6436	346	5.40
1/26/2018 14:00	59.70	7580	424	5.60
1/26/2018 15:00	60.70	8020	470	5.90
1/26/2018 16:00	54.10	7857	487	6.20
1/26/2018 17:00	53.80	7402	439	5.90
1/26/2018 18:00	54.10	6912	380	5.50
1/26/2018 19:00	63.20	5478	277	5.10
1/26/2018 20:00	65.70	4029	177	4.40
1/26/2018 21:00	65.90	3735	161	4.30
1/26/2018 22:00	65.70	2991	107	3.60
1/26/2018 23:00	65.60	2301	74	3.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/27/2018 0:00	65.80	1770	31	1.80
1/27/2018 1:00	65.50	1372	22	1.60
1/27/2018 2:00	66.30	1208	24	2.00
1/27/2018 3:00	66.60	1061	14	1.30
1/27/2018 4:00	65.20	1164	8	0.70
1/27/2018 5:00	65.70	1414	27	1.90
1/27/2018 6:00	65.90	2189	81	3.70
1/27/2018 7:00	66.90	3214	140	4.40
1/27/2018 8:00	64.40	4367	207	4.70
1/27/2018 9:00	64.50	5005	234	4.70
1/27/2018 10:00	63.90	5373	266	5.00
1/27/2018 11:00	63.30	5898	303	5.10
1/27/2018 12:00	63.20	5991	310	5.20
1/27/2018 13:00	63.70	6006	303	5.00
1/27/2018 14:00	64.00	5954	306	5.10
1/27/2018 15:00	64.60	5795	291	5.00
1/27/2018 16:00	64.50	5531	260	4.70
1/27/2018 17:00	64.70	5479	267	4.90
1/27/2018 18:00	64.50	4954	221	4.50
1/27/2018 19:00	65.60	4195	184	4.40
1/27/2018 20:00	66.40	3434	131	3.80
1/27/2018 21:00	66.70	3252	124	3.80
1/27/2018 22:00	66.30	2811	97	3.50
1/27/2018 23:00	66.60	2154	72	3.30
1/28/2018 0:00	66.80	1641	33	2.00
1/28/2018 1:00	66.40	1214	24	2.00
1/28/2018 2:00	66.50	1118	20	1.80
1/28/2018 3:00	66.40	1017	21	2.10
1/28/2018 4:00	66.60	1061	10	0.90
1/28/2018 5:00	66.50	1204	18	1.50
1/28/2018 6:00	66.50	1544	42	2.70
1/28/2018 7:00	66.10	2162	68	3.10
1/28/2018 8:00	65.30	2956	124	4.20
1/28/2018 9:00	66.70	3744	150	4.00
1/28/2018 10:00	66.20	4316	194	4.50
1/28/2018 11:00	65.60	4578	208	4.50
1/28/2018 12:00	64.40	4927	233	4.70
1/28/2018 13:00	64.00	4904	228	4.60
1/28/2018 14:00	64.40	4702	214	4.60
1/28/2018 15:00	65.30	4843	217	4.50
1/28/2018 16:00	64.90	4818	214	4.40
1/28/2018 17:00	64.40	4624	209	4.50
1/28/2018 18:00	64.00	4495	202	4.50
1/28/2018 19:00	66.90	3784	154	4.10
1/28/2018 20:00	66.20	3340	132	4.00
1/28/2018 21:00	66.50	2807	98	3.50
1/28/2018 22:00	66.70	2131	75	3.50
1/28/2018 23:00	66.70	1673	39	2.30
1/29/2018 0:00	66.60	1285	29	2.30
1/29/2018 1:00	66.30	1048	17	1.60
1/29/2018 2:00	66.00	957	16	1.70
1/29/2018 3:00	66.20	1063	16	1.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/29/2018 4:00	65.20	1362	16	1.20
1/29/2018 5:00	66.90	2517	91	3.60
1/29/2018 6:00	65.00	4018	185	4.60
1/29/2018 7:00	63.40	5631	305	5.40
1/29/2018 8:00	62.80	5296	255	4.80
1/29/2018 9:00	63.00	5104	245	4.80
1/29/2018 10:00	62.60	5003	235	4.70
1/29/2018 11:00	62.20	4904	234	4.80
1/29/2018 12:00	62.70	5250	260	5.00
1/29/2018 13:00	62.60	5753	300	5.20
1/29/2018 14:00	61.20	6947	379	5.50
1/29/2018 15:00	60.60	7572	434	5.70
1/29/2018 16:00	59.50	7850	456	5.80
1/29/2018 17:00	59.30	7561	430	5.70
1/29/2018 18:00	60.60	6219	311	5.00
1/29/2018 19:00	65.20	4548	205	4.50
1/29/2018 20:00	65.50	3799	158	4.20
1/29/2018 21:00	67.00	3066	122	4.00
1/29/2018 22:00	66.40	2237	64	2.90
1/29/2018 23:00	64.90	1829	54	3.00
1/30/2018 0:00	65.90	1429	25	1.70
1/30/2018 1:00	66.10	1218	23	1.90
1/30/2018 2:00	66.20	1095	13	1.20
1/30/2018 3:00	66.00	1082	18	1.70
1/30/2018 4:00	65.00	1369	24	1.80
1/30/2018 5:00	65.70	2585	99	3.80
1/30/2018 6:00	64.30	4068	191	4.70
1/30/2018 7:00	64.50	5662	282	5.00
1/30/2018 8:00	63.30	5406	270	5.00
1/30/2018 9:00	63.20	5224	258	4.90
1/30/2018 10:00	62.70	5061	244	4.80
1/30/2018 11:00	63.10	5086	234	4.60
1/30/2018 12:00	63.50	5259	248	4.70
1/30/2018 13:00	63.00	5691	277	4.90
1/30/2018 14:00	62.30	6989	388	5.60
1/30/2018 15:00	60.20	7809	451	5.80
1/30/2018 16:00	54.10	7925	488	6.20
1/30/2018 17:00	60.50	7715	446	5.80
1/30/2018 18:00	49.60	6461	387	6.00
1/30/2018 19:00	65.30	4751	224	4.70
1/30/2018 20:00	67.50	3760	161	4.30
1/30/2018 21:00	65.80	3390	135	4.00
1/30/2018 22:00	65.90	2464	75	3.00
1/30/2018 23:00	66.20	1807	32	1.80
1/31/2018 0:00	66.70	1494	28	1.90
1/31/2018 1:00	65.70	1242	18	1.40
1/31/2018 2:00	65.70	1070	11	1.00
1/31/2018 3:00	65.30	1110	21	1.90
1/31/2018 4:00	65.00	1389	14	1.00
1/31/2018 5:00	67.00	2455	93	3.80
1/31/2018 6:00	64.60	4195	204	4.90
1/31/2018 7:00	64.20	5623	292	5.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/31/2018 8:00	63.10	5530	276	5.00
1/31/2018 9:00	63.10	5177	260	5.00
1/31/2018 10:00	62.30	4975	236	4.70
1/31/2018 11:00	63.10	5228	255	4.90
1/31/2018 12:00	59.20	5058	236	4.70
1/31/2018 13:00	61.40	5952	307	5.20
1/31/2018 14:00	60.80	7196	417	5.80
1/31/2018 15:00	52.80	7309	431	5.90
1/31/2018 16:00	57.20	7939	477	6.00
1/31/2018 17:00	51.60	7509	431	5.70
1/31/2018 18:00	50.90	6694	412	6.20
1/31/2018 19:00	63.90	5121	243	4.70
1/31/2018 20:00	66.20	4091	177	4.30
1/31/2018 21:00	66.20	3492	140	4.00
1/31/2018 22:00	66.20	2622	100	3.80
1/31/2018 23:00	65.80	1886	45	2.40
2/01/2018 0:00	65.30	1551	17	1.10
2/01/2018 1:00	65.80	1272	16	1.30
2/01/2018 2:00	65.70	1097	16	1.50
2/01/2018 3:00	65.60	1093	16	1.50
2/01/2018 4:00	64.80	1418	15	1.10
2/01/2018 5:00	65.80	2471	89	3.60
2/01/2018 6:00	65.20	3989	189	4.70
2/01/2018 7:00	64.40	5594	294	5.30
2/01/2018 8:00	63.30	5255	237	4.50
2/01/2018 9:00	62.20	5351	281	5.30
2/01/2018 10:00	61.90	5082	240	4.70
2/01/2018 11:00	62.60	5209	245	4.70
2/01/2018 12:00	62.50	5650	297	5.30
2/01/2018 13:00	61.80	5811	293	5.00
2/01/2018 14:00	61.40	7053	387	5.50
2/01/2018 15:00	56.60	7110	427	6.00
2/01/2018 16:00	49.20	7462	433	5.80
2/01/2018 17:00	54.80	7638	480	6.30
2/01/2018 18:00	50.00	7131	441	6.20
2/01/2018 19:00	62.80	5447	264	4.80
2/01/2018 20:00	66.30	4132	176	4.30
2/01/2018 21:00	67.00	3478	140	4.00
2/01/2018 22:00	67.10	2637	105	4.00
2/01/2018 23:00	67.10	1958	51	2.60
2/02/2018 0:00	69.00	1361	8	0.60
2/02/2018 1:00	68.60	1117	14	1.30
2/02/2018 2:00	69.10	923	2	0.20
2/02/2018 3:00	69.00	903	1	0.10
2/02/2018 4:00	67.70	1174	9	0.80
2/02/2018 5:00	68.00	2403	18	0.70
2/02/2018 6:00	66.50	4578	98	2.10
2/02/2018 7:00	65.10	6810	184	2.70
2/02/2018 8:00	63.70	7005	207	3.00
2/02/2018 9:00	64.40	6494	136	2.10
2/02/2018 10:00	64.00	6626	145	2.20
2/02/2018 11:00	63.40	7058	150	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/02/2018 12:00	62.50	7561	218	2.90
2/02/2018 13:00	61.80	8071	256	3.20
2/02/2018 14:00	60.30	9190	310	3.40
2/02/2018 15:00	61.20	8918	258	2.90
2/02/2018 16:00	59.10	9115	310	3.40
2/02/2018 17:00	60.70	9311	239	2.60
2/02/2018 18:00	59.80	8499	259	3.00
2/02/2018 19:00	65.50	7087	188	2.70
2/02/2018 20:00	68.00	5069	103	2.00
2/02/2018 21:00	68.50	4042	72	1.80
2/02/2018 22:00	68.80	3164	37	1.20
2/02/2018 23:00	68.50	2464	18	0.70
2/03/2018 0:00	68.90	1668	12	0.70
2/03/2018 1:00	69.20	1335	7	0.50
2/03/2018 2:00	69.20	1054	3	0.30
2/03/2018 3:00	69.20	944	3	0.30
2/03/2018 4:00	68.50	939	3	0.30
2/03/2018 5:00	68.50	1263	3	0.20
2/03/2018 6:00	69.20	2375	22	0.90
2/03/2018 7:00	68.00	3628	58	1.60
2/03/2018 8:00	67.00	4768	90	1.90
2/03/2018 9:00	66.50	5984	157	2.60
2/03/2018 10:00	66.20	6689	197	2.90
2/03/2018 11:00	65.00	7292	191	2.60
2/03/2018 12:00	64.00	7688	213	2.80
2/03/2018 13:00	64.00	7278	198	2.70
2/03/2018 14:00	64.90	7279	205	2.80
2/03/2018 15:00	65.90	6929	201	2.90
2/03/2018 16:00	65.60	7025	201	2.90
2/03/2018 17:00	65.80	7281	180	2.50
2/03/2018 18:00	64.80	6668	173	2.60
2/03/2018 19:00	68.10	4856	103	2.10
2/03/2018 20:00	68.80	4007	76	1.90
2/03/2018 21:00	68.00	3748	56	1.50
2/03/2018 22:00	68.60	3077	42	1.40
2/03/2018 23:00	68.50	2134	12	0.60
2/04/2018 0:00	69.00	1653	10	0.60
2/04/2018 1:00	68.90	1153	4	0.30
2/04/2018 2:00	69.10	1011	3	0.30
2/04/2018 3:00	69.40	873	0	0.00
2/04/2018 4:00	69.20	894	3	0.30
2/04/2018 5:00	69.00	967	3	0.30
2/04/2018 6:00	69.00	1507	6	0.40
2/04/2018 7:00	68.90	2298	22	1.00
2/04/2018 8:00	68.20	3314	48	1.40
2/04/2018 9:00	68.30	4396	79	1.80
2/04/2018 10:00	67.20	5018	99	2.00
2/04/2018 11:00	65.70	5505	105	1.90
2/04/2018 12:00	65.00	5754	156	2.70
2/04/2018 13:00	65.10	6204	183	2.90
2/04/2018 14:00	65.00	6523	174	2.70
2/04/2018 15:00	66.60	5470	146	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/04/2018 16:00	67.50	4336	78	1.80
2/04/2018 17:00	67.10	4152	72	1.70
2/04/2018 18:00	68.70	3597	57	1.60
2/04/2018 19:00	67.50	4708	119	2.50
2/04/2018 20:00	67.80	5081	117	2.30
2/04/2018 21:00	69.20	3479	52	1.50
2/04/2018 22:00	69.30	2379	34	1.40
2/04/2018 23:00	68.90	1740	5	0.30
2/05/2018 0:00	68.90	1124	2	0.20
2/05/2018 1:00	69.10	855	6	0.70
2/05/2018 2:00	69.10	816	3	0.40
2/05/2018 3:00	69.30	850	3	0.40
2/05/2018 4:00	67.90	1160	9	0.80
2/05/2018 5:00	69.00	2483	17	0.70
2/05/2018 6:00	67.60	4439	91	2.10
2/05/2018 7:00	66.50	6583	163	2.50
2/05/2018 8:00	63.20	6950	175	2.50
2/05/2018 9:00	63.60	6342	128	2.00
2/05/2018 10:00	63.70	6265	138	2.20
2/05/2018 11:00	63.30	6540	161	2.50
2/05/2018 12:00	63.20	6860	165	2.40
2/05/2018 13:00	62.90	7058	199	2.80
2/05/2018 14:00	62.20	8587	276	3.20
2/05/2018 15:00	46.50	8616	701	8.10
2/05/2018 16:00	41.10	8463	874	10.30
2/05/2018 17:00	46.50	8736	523	6.00
2/05/2018 18:00	46.00	8239	715	8.70
2/05/2018 19:00	66.50	5557	130	2.30
2/05/2018 20:00	68.00	4289	71	1.70
2/05/2018 21:00	69.60	3584	46	1.30
2/05/2018 22:00	69.20	2232	19	0.90
2/05/2018 23:00	67.80	1799	9	0.50
2/06/2018 0:00	69.30	1289	4	0.30
2/06/2018 1:00	69.00	1022	2	0.20
2/06/2018 2:00	69.20	781	1	0.10
2/06/2018 3:00	69.00	828	3	0.40
2/06/2018 4:00	67.70	1185	13	1.10
2/06/2018 5:00	68.80	2510	17	0.70
2/06/2018 6:00	66.00	4488	75	1.70
2/06/2018 7:00	66.60	7026	178	2.50
2/06/2018 8:00	64.30	6884	154	2.20
2/06/2018 9:00	64.50	6415	140	2.20
2/06/2018 10:00	63.50	6344	144	2.30
2/06/2018 11:00	63.70	6495	147	2.30
2/06/2018 12:00	62.80	6899	191	2.80
2/06/2018 13:00	62.30	6990	225	3.20
2/06/2018 14:00	55.10	8425	484	5.70
2/06/2018 15:00	45.70	8366	753	9.00
2/06/2018 16:00	43.30	8485	726	8.60
2/06/2018 17:00	35.10	7953	1024	12.90
2/06/2018 18:00	45.90	8464	499	5.90
2/06/2018 19:00	64.20	6773	173	2.60



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/06/2018 20:00	68.20	4470	78	1.70
2/06/2018 21:00	68.20	3753	53	1.40
2/06/2018 22:00	68.60	2412	27	1.10
2/06/2018 23:00	68.40	1797	12	0.70
2/07/2018 0:00	68.90	1287	12	0.90
2/07/2018 1:00	69.30	929	2	0.20
2/07/2018 2:00	69.00	853	7	0.80
2/07/2018 3:00	69.00	851	3	0.40
2/07/2018 4:00	68.00	1239	7	0.60
2/07/2018 5:00	68.50	2463	11	0.40
2/07/2018 6:00	66.10	4553	94	2.10
2/07/2018 7:00	67.20	6250	103	1.60
2/07/2018 8:00	65.20	6785	172	2.50
2/07/2018 9:00	63.20	6599	178	2.70
2/07/2018 10:00	62.50	6570	128	1.90
2/07/2018 11:00	63.40	6891	187	2.70
2/07/2018 12:00	62.30	7001	196	2.80
2/07/2018 13:00	62.40	7403	213	2.90
2/07/2018 14:00	61.10	8688	305	3.50
2/07/2018 15:00	53.20	8801	568	6.50
2/07/2018 16:00	56.40	8812	439	5.00
2/07/2018 17:00	59.90	9099	320	3.50
2/07/2018 18:00	60.60	8582	255	3.00
2/07/2018 19:00	66.20	6117	157	2.60
2/07/2018 20:00	68.80	4622	72	1.60
2/07/2018 21:00	68.50	3839	53	1.40
2/07/2018 22:00	69.00	2685	15	0.60
2/07/2018 23:00	68.90	1883	14	0.70
2/08/2018 0:00	68.90	1325	7	0.50
2/08/2018 1:00	69.20	984	2	0.20
2/08/2018 2:00	69.20	885	8	0.90
2/08/2018 3:00	68.80	866	5	0.60
2/08/2018 4:00	68.50	1173	8	0.70
2/08/2018 5:00	69.00	2427	18	0.70
2/08/2018 6:00	66.30	4598	86	1.90
2/08/2018 7:00	65.40	6781	142	2.10
2/08/2018 8:00	63.90	6945	143	2.10
2/08/2018 9:00	64.00	6632	137	2.10
2/08/2018 10:00	62.90	6411	150	2.30
2/08/2018 11:00	62.50	6623	134	2.00
2/08/2018 12:00	63.40	7296	197	2.70
2/08/2018 13:00	62.80	7610	193	2.50
2/08/2018 14:00	61.50	8814	294	3.30
2/08/2018 15:00	44.40	8225	658	8.00
2/08/2018 16:00	44.90	8811	353	4.00
2/08/2018 17:00	49.80	9178	320	3.50
2/08/2018 18:00	39.40	8414	842	10.00
2/08/2018 19:00	63.70	6510	181	2.80
2/08/2018 20:00	68.60	4663	94	2.00
2/08/2018 21:00	68.70	3815	48	1.30
2/08/2018 22:00	69.00	2646	26	1.00
2/08/2018 23:00	68.60	2021	21	1.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/09/2018 0:00	69.20	1389	16	1.20
2/09/2018 1:00	69.10	1010	1	0.10
2/09/2018 2:00	69.20	908	7	0.80
2/09/2018 3:00	69.20	885	4	0.50
2/09/2018 4:00	67.90	1176	8	0.70
2/09/2018 5:00	68.20	2394	13	0.50
2/09/2018 6:00	66.90	4451	62	1.40
2/09/2018 7:00	65.70	6613	160	2.40
2/09/2018 8:00	64.90	6874	150	2.20
2/09/2018 9:00	64.40	6410	126	2.00
2/09/2018 10:00	62.20	6761	202	3.00
2/09/2018 11:00	63.20	7268	182	2.50
2/09/2018 12:00	61.80	7671	237	3.10
2/09/2018 13:00	61.80	8234	257	3.10
2/09/2018 14:00	56.90	9271	492	5.30
2/09/2018 15:00	61.20	9123	251	2.80
2/09/2018 16:00	56.00	8416	435	5.20
2/09/2018 17:00	60.90	8873	231	2.60
2/09/2018 18:00	59.10	8491	260	3.10
2/09/2018 19:00	65.30	6466	159	2.50
2/09/2018 20:00	67.20	4982	107	2.10
2/09/2018 21:00	67.80	4171	75	1.80
2/09/2018 22:00	67.60	3361	57	1.70
2/09/2018 23:00	68.00	2390	21	0.90
2/10/2018 0:00	68.80	1695	7	0.40
2/10/2018 1:00	69.00	1344	7	0.50
2/10/2018 2:00	68.80	1056	1	0.10
2/10/2018 3:00	69.00	940	4	0.40
2/10/2018 4:00	68.70	998	4	0.40
2/10/2018 5:00	68.80	1272	0	0.00
2/10/2018 6:00	68.80	2282	15	0.70
2/10/2018 7:00	67.90	3629	51	1.40
2/10/2018 8:00	68.10	4923	111	2.30
2/10/2018 9:00	66.80	5903	150	2.50
2/10/2018 10:00	65.70	6410	182	2.80
2/10/2018 11:00	65.20	6993	192	2.70
2/10/2018 12:00	65.00	7331	179	2.40
2/10/2018 13:00	64.90	7363	210	2.90
2/10/2018 14:00	64.90	7379	189	2.60
2/10/2018 15:00	65.50	7198	153	2.10
2/10/2018 16:00	65.70	7035	172	2.40
2/10/2018 17:00	64.80	6873	170	2.50
2/10/2018 18:00	63.50	6209	186	3.00
2/10/2018 19:00	66.00	4848	113	2.30
2/10/2018 20:00	67.00	4190	105	2.50
2/10/2018 21:00	67.60	3883	85	2.20
2/10/2018 22:00	68.40	3206	53	1.70
2/10/2018 23:00	69.00	2126	20	0.90
2/11/2018 0:00	68.80	1733	10	0.60
2/11/2018 1:00	68.90	1133	7	0.60
2/11/2018 2:00	69.00	1043	2	0.20
2/11/2018 3:00	69.30	846	3	0.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/11/2018 4:00	69.20	869	3	0.30
2/11/2018 5:00	68.80	1032	5	0.50
2/11/2018 6:00	68.70	1647	13	0.80
2/11/2018 7:00	68.20	2402	29	1.20
2/11/2018 8:00	68.70	3463	68	2.00
2/11/2018 9:00	68.60	4454	69	1.50
2/11/2018 10:00	67.80	5163	189	3.70
2/11/2018 11:00	65.70	5673	193	3.40
2/11/2018 12:00	64.10	6211	178	2.90
2/11/2018 13:00	63.50	6372	204	3.20
2/11/2018 14:00	64.60	5848	134	2.30
2/11/2018 15:00	65.20	5934	134	2.30
2/11/2018 16:00	67.00	5961	159	2.70
2/11/2018 17:00	67.20	5903	154	2.60
2/11/2018 18:00	66.70	5068	104	2.10
2/11/2018 19:00	64.30	4149	112	2.70
2/11/2018 20:00	68.40	3674	64	1.70
2/11/2018 21:00	68.60	3104	50	1.60
2/11/2018 22:00	68.50	2092	19	0.90
2/11/2018 23:00	68.60	1515	9	0.60
2/12/2018 0:00	69.30	1108	4	0.40
2/12/2018 1:00	69.30	862	6	0.70
2/12/2018 2:00	69.20	753	6	0.80
2/12/2018 3:00	69.20	839	4	0.50
2/12/2018 4:00	68.50	1166	6	0.50
2/12/2018 5:00	68.50	2396	16	0.70
2/12/2018 6:00	66.50	4247	73	1.70
2/12/2018 7:00	66.80	6062	175	2.90
2/12/2018 8:00	65.00	6761	194	2.90
2/12/2018 9:00	63.40	6539	128	2.00
2/12/2018 10:00	63.10	6344	109	1.70
2/12/2018 11:00	64.00	6430	151	2.30
2/12/2018 12:00	63.90	6616	162	2.40
2/12/2018 13:00	63.70	7319	225	3.10
2/12/2018 14:00	54.50	8985	285	3.20
2/12/2018 15:00	54.60	9157	290	3.20
2/12/2018 16:00	48.00	8802	753	8.60
2/12/2018 17:00	61.50	8877	239	2.70
2/12/2018 18:00	62.60	7485	211	2.80
2/12/2018 19:00	66.40	5418	107	2.00
2/12/2018 20:00	67.10	4145	91	2.20
2/12/2018 21:00	68.70	3357	47	1.40
2/12/2018 22:00	68.40	2394	27	1.10
2/12/2018 23:00	68.30	1709	7	0.40
2/13/2018 0:00	69.00	1230	7	0.60
2/13/2018 1:00	69.00	991	2	0.20
2/13/2018 2:00	69.50	860	1	0.10
2/13/2018 3:00	68.90	849	4	0.50
2/13/2018 4:00	67.70	1184	9	0.80
2/13/2018 5:00	68.20	2447	13	0.50
2/13/2018 6:00	67.40	4482	83	1.90
2/13/2018 7:00	66.70	6638	124	1.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/13/2018 8:00	65.20	6808	144	2.10
2/13/2018 9:00	64.30	6563	155	2.40
2/13/2018 10:00	64.30	6434	159	2.50
2/13/2018 11:00	63.60	6933	170	2.50
2/13/2018 12:00	63.70	7116	166	2.30
2/13/2018 13:00	63.10	7462	225	3.00
2/13/2018 14:00	60.50	8933	305	3.40
2/13/2018 15:00	38.40	7668	863	11.30
2/13/2018 16:00	46.80	8741	627	7.20
2/13/2018 17:00	55.90	9189	443	4.80
2/13/2018 18:00	59.20	8758	242	2.80
2/13/2018 19:00	66.20	6070	138	2.30
2/13/2018 20:00	68.50	4711	79	1.70
2/13/2018 21:00	68.60	4008	49	1.20
2/13/2018 22:00	69.00	2725	26	1.00
2/13/2018 23:00	68.70	1893	11	0.60
2/14/2018 0:00	68.70	1311	3	0.20
2/14/2018 1:00	69.20	1066	6	0.60
2/14/2018 2:00	69.30	893	3	0.30
2/14/2018 3:00	69.10	889	2	0.20
2/14/2018 4:00	68.60	1089	6	0.60
2/14/2018 5:00	69.00	2414	21	0.90
2/14/2018 6:00	67.10	4559	83	1.80
2/14/2018 7:00	65.50	6686	150	2.20
2/14/2018 8:00	64.00	7074	167	2.40
2/14/2018 9:00	63.40	6674	147	2.20
2/14/2018 10:00	63.30	6588	166	2.50
2/14/2018 11:00	62.80	7023	183	2.60
2/14/2018 12:00	63.30	7207	183	2.50
2/14/2018 13:00	62.60	7705	213	2.80
2/14/2018 14:00	62.50	8945	242	2.70
2/14/2018 15:00	42.00	8293	949	11.40
2/14/2018 16:00	34.60	7882	871	11.10
2/14/2018 17:00	30.50	8358	1032	12.30
2/14/2018 18:00	44.70	8892	634	7.10
2/14/2018 19:00	60.30	7287	218	3.00
2/14/2018 20:00	68.00	4487	108	2.40
2/14/2018 21:00	67.20	3745	70	1.90
2/14/2018 22:00	69.20	2866	25	0.90
2/14/2018 23:00	69.20	1891	11	0.60
2/15/2018 0:00	69.00	1402	6	0.40
2/15/2018 1:00	69.30	995	6	0.60
2/15/2018 2:00	69.40	872	1	0.10
2/15/2018 3:00	69.00	871	4	0.50
2/15/2018 4:00	67.70	1245	7	0.60
2/15/2018 5:00	68.10	2502	17	0.70
2/15/2018 6:00	66.40	4742	124	2.60
2/15/2018 7:00	65.70	6945	179	2.60
2/15/2018 8:00	63.90	7009	128	1.80
2/15/2018 9:00	63.90	6642	174	2.60
2/15/2018 10:00	63.90	6476	153	2.40
2/15/2018 11:00	63.20	6855	165	2.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/15/2018 12:00	63.00	7230	158	2.20
2/15/2018 13:00	62.80	7762	225	2.90
2/15/2018 14:00	61.30	8748	267	3.10
2/15/2018 15:00	50.20	8606	682	7.90
2/15/2018 16:00	46.70	8899	760	8.50
2/15/2018 17:00	50.60	9141	497	5.40
2/15/2018 18:00	37.50	8318	953	11.50
2/15/2018 19:00	63.20	6817	171	2.50
2/15/2018 20:00	67.60	4856	96	2.00
2/15/2018 21:00	68.60	3890	52	1.30
2/15/2018 22:00	68.50	3033	30	1.00
2/15/2018 23:00	69.40	2056	23	1.10
2/16/2018 0:00	69.10	1337	9	0.70
2/16/2018 1:00	70.00	791	4	0.50
2/16/2018 2:00	68.90	932	4	0.40
2/16/2018 3:00	69.40	866	3	0.30
2/16/2018 4:00	68.90	1082	4	0.40
2/16/2018 5:00	68.90	2293	10	0.40
2/16/2018 6:00	67.30	4035	95	2.40
2/16/2018 7:00	67.30	5064	91	1.80
2/16/2018 8:00	63.80	7040	164	2.30
2/16/2018 9:00	64.30	6571	172	2.60
2/16/2018 10:00	63.70	6974	175	2.50
2/16/2018 11:00	63.10	7660	183	2.40
2/16/2018 12:00	62.30	7911	230	2.90
2/16/2018 13:00	62.10	8118	248	3.10
2/16/2018 14:00	61.40	9045	308	3.40
2/16/2018 15:00	63.50	8167	258	3.20
2/16/2018 16:00	64.40	8202	217	2.60
2/16/2018 17:00	60.90	9142	311	3.40
2/16/2018 18:00	61.20	7713	238	3.10
2/16/2018 19:00	65.80	6082	160	2.60
2/16/2018 20:00	68.10	4653	99	2.10
2/16/2018 21:00	68.50	4203	74	1.80
2/16/2018 22:00	69.00	3300	31	0.90
2/16/2018 23:00	68.40	2487	21	0.80
2/17/2018 0:00	69.10	1660	15	0.90
2/17/2018 1:00	69.60	1041	5	0.50
2/17/2018 2:00	68.90	1093	3	0.30
2/17/2018 3:00	69.10	933	4	0.40
2/17/2018 4:00	68.80	948	4	0.40
2/17/2018 5:00	69.10	1168	7	0.60
2/17/2018 6:00	68.70	2179	23	1.10
2/17/2018 7:00	67.70	3420	65	1.90
2/17/2018 8:00	66.90	4983	114	2.30
2/17/2018 9:00	66.40	5712	153	2.70
2/17/2018 10:00	65.40	6663	178	2.70
2/17/2018 11:00	65.30	7122	177	2.50
2/17/2018 12:00	63.80	8155	245	3.00
2/17/2018 13:00	64.10	7105	169	2.40
2/17/2018 14:00	65.60	7269	212	2.90
2/17/2018 15:00	65.20	6952	202	2.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/17/2018 16:00	65.30	7143	183	2.60
2/17/2018 17:00	65.10	7001	212	3.00
2/17/2018 18:00	64.90	6235	204	3.30
2/17/2018 19:00	67.10	5022	95	1.90
2/17/2018 20:00	68.00	4144	70	1.70
2/17/2018 21:00	68.50	3726	55	1.50
2/17/2018 22:00	68.70	3063	35	1.10
2/17/2018 23:00	69.20	2231	19	0.90
2/18/2018 0:00	68.90	1494	10	0.70
2/18/2018 1:00	69.30	934	8	0.90
2/18/2018 2:00	69.70	762	2	0.30
2/18/2018 3:00	69.20	927	4	0.40
2/18/2018 4:00	69.20	901	7	0.80
2/18/2018 5:00	69.20	971	2	0.20
2/18/2018 6:00	69.00	1316	7	0.50
2/18/2018 7:00	68.40	2249	16	0.70
2/18/2018 8:00	68.10	3487	47	1.30
2/18/2018 9:00	67.80	4597	98	2.10
2/18/2018 10:00	67.40	5434	114	2.10
2/18/2018 11:00	65.00	5987	170	2.80
2/18/2018 12:00	64.50	6195	162	2.60
2/18/2018 13:00	64.20	6411	187	2.90
2/18/2018 14:00	64.70	5927	153	2.60
2/18/2018 15:00	65.50	5914	161	2.70
2/18/2018 16:00	67.30	5841	145	2.50
2/18/2018 17:00	66.20	5923	148	2.50
2/18/2018 18:00	66.10	5146	121	2.40
2/18/2018 19:00	67.20	4399	103	2.30
2/18/2018 20:00	67.00	3711	58	1.60
2/18/2018 21:00	67.60	3262	59	1.80
2/18/2018 22:00	68.20	2476	20	0.80
2/18/2018 23:00	69.30	1763	10	0.60
2/19/2018 0:00	69.30	1031	10	1.00
2/19/2018 1:00	69.70	715	1	0.10
2/19/2018 2:00	69.50	815	7	0.90
2/19/2018 3:00	69.20	824	4	0.50
2/19/2018 4:00	68.70	877	2	0.20
2/19/2018 5:00	68.10	1646	13	0.80
2/19/2018 6:00	66.30	2999	58	1.90
2/19/2018 7:00	66.40	4497	85	1.90
2/19/2018 8:00	65.00	5457	110	2.00
2/19/2018 9:00	63.80	5828	151	2.60
2/19/2018 10:00	64.80	6195	135	2.20
2/19/2018 11:00	64.00	6866	195	2.80
2/19/2018 12:00	64.70	6849	179	2.60
2/19/2018 13:00	63.90	7169	216	3.00
2/19/2018 14:00	63.90	7889	245	3.10
2/19/2018 15:00	64.40	8029	207	2.60
2/19/2018 16:00	64.00	7825	220	2.80
2/19/2018 17:00	66.50	7379	163	2.20
2/19/2018 18:00	66.30	6029	125	2.10
2/19/2018 19:00	68.20	4641	84	1.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/19/2018 20:00	68.60	3782	59	1.60
2/19/2018 21:00	68.80	3065	32	1.00
2/19/2018 22:00	68.60	2266	22	1.00
2/19/2018 23:00	69.10	1573	5	0.30
2/20/2018 0:00	55.70	3316	3	0.10
2/20/2018 1:00	73.20	2456	1	0.00
2/20/2018 2:00	74.40	2195	2	0.10
2/20/2018 3:00	73.50	2856	1	0.00
2/20/2018 4:00	69.20	4762	10	0.20
2/20/2018 5:00	62.70	5693	14	0.20
2/20/2018 6:00	65.30	4431	98	2.20
2/20/2018 7:00	65.60	6975	162	2.30
2/20/2018 8:00	64.70	6923	133	1.90
2/20/2018 9:00	63.70	7280	125	1.70
2/20/2018 10:00	63.70	9549	167	1.70
2/20/2018 11:00	62.60	9327	148	1.60
2/20/2018 12:00	62.20	8744	215	2.50
2/20/2018 13:00	62.80	8257	221	2.70
2/20/2018 14:00	60.90	8732	260	3.00
2/20/2018 15:00	56.20	8309	462	5.60
2/20/2018 16:00	60.60	8762	352	4.00
2/20/2018 17:00	54.30	8641	603	7.00
2/20/2018 18:00	40.90	8678	880	10.10
2/20/2018 19:00	67.20	9870	146	1.50
2/20/2018 20:00	74.90	8767	109	1.20
2/20/2018 21:00	77.50	8066	66	0.80
2/20/2018 22:00	79.60	6337	20	0.30
2/20/2018 23:00	78.40	4918	11	0.20
2/21/2018 0:00	69.70	925	4	0.40
2/21/2018 1:00	69.20	815	2	0.20
2/21/2018 2:00	69.40	876	1	0.10
2/21/2018 3:00	69.00	821	6	0.70
2/21/2018 4:00	68.90	1063	7	0.70
2/21/2018 5:00	68.70	2403	18	0.70
2/21/2018 6:00	67.00	4562	83	1.80
2/21/2018 7:00	65.70	6817	159	2.30
2/21/2018 8:00	63.40	7122	187	2.60
2/21/2018 9:00	63.90	6332	156	2.50
2/21/2018 10:00	63.30	6439	130	2.00
2/21/2018 11:00	56.90	6799	176	2.60
2/21/2018 12:00	61.20	6858	180	2.60
2/21/2018 13:00	62.80	7395	200	2.70
2/21/2018 14:00	61.70	8862	251	2.80
2/21/2018 15:00	51.20	8579	530	6.20
2/21/2018 16:00	36.20	7896	869	11.00
2/21/2018 17:00	38.70	8201	747	9.10
2/21/2018 18:00	50.40	8572	471	5.50
2/21/2018 19:00	66.00	5881	132	2.20
2/21/2018 20:00	68.50	4763	86	1.80
2/21/2018 21:00	68.90	3834	48	1.30
2/21/2018 22:00	68.80	2632	25	0.90
2/21/2018 23:00	69.10	1810	12	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/22/2018 0:00	69.60	1047	5	0.50
2/22/2018 1:00	69.40	861	3	0.30
2/22/2018 2:00	69.30	836	1	0.10
2/22/2018 3:00	69.20	836	3	0.40
2/22/2018 4:00	69.30	1104	4	0.40
2/22/2018 5:00	68.70	2495	8	0.30
2/22/2018 6:00	67.50	4508	68	1.50
2/22/2018 7:00	63.70	6760	140	2.10
2/22/2018 8:00	63.80	6970	109	1.60
2/22/2018 9:00	64.10	6475	147	2.30
2/22/2018 10:00	64.50	6449	128	2.00
2/22/2018 11:00	63.00	6638	95	1.40
2/22/2018 12:00	62.50	7455	193	2.60
2/22/2018 13:00	60.70	7294	195	2.70
2/22/2018 14:00	50.90	8140	453	5.60
2/22/2018 15:00	42.50	8719	833	9.60
2/22/2018 16:00	54.10	9075	569	6.30
2/22/2018 17:00	60.60	8467	262	3.10
2/22/2018 18:00	59.40	8499	270	3.20
2/22/2018 19:00	62.10	6452	158	2.40
2/22/2018 20:00	68.00	4440	87	2.00
2/22/2018 21:00	67.80	3721	52	1.40
2/22/2018 22:00	68.10	2199	40	1.80
2/22/2018 23:00	68.60	1803	16	0.90
2/23/2018 0:00	69.40	1194	5	0.40
2/23/2018 1:00	69.10	1061	4	0.40
2/23/2018 2:00	69.00	906	4	0.40
2/23/2018 3:00	68.90	884	1	0.10
2/23/2018 4:00	68.60	1094	7	0.60
2/23/2018 5:00	66.70	2376	13	0.50
2/23/2018 6:00	66.50	4515	77	1.70
2/23/2018 7:00	65.80	6678	165	2.50
2/23/2018 8:00	63.50	6878	181	2.60
2/23/2018 9:00	62.20	6457	147	2.30
2/23/2018 10:00	63.60	6689	180	2.70
2/23/2018 11:00	63.10	7202	170	2.40
2/23/2018 12:00	62.50	7677	244	3.20
2/23/2018 13:00	61.60	8095	272	3.40
2/23/2018 14:00	60.90	9059	323	3.60
2/23/2018 15:00	61.90	9024	282	3.10
2/23/2018 16:00	56.20	9305	577	6.20
2/23/2018 17:00	38.40	8429	898	10.70
2/23/2018 18:00	53.40	7707	310	4.00
2/23/2018 19:00	66.20	6073	144	2.40
2/23/2018 20:00	67.60	4826	94	1.90
2/23/2018 21:00	66.80	4003	73	1.80
2/23/2018 22:00	67.70	3283	37	1.10
2/23/2018 23:00	68.40	2465	22	0.90
2/24/2018 0:00	68.40	1628	15	0.90
2/24/2018 1:00	69.50	1078	1	0.10
2/24/2018 2:00	69.40	687	1	0.10
2/24/2018 3:00	69.00	873	7	0.80



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/24/2018 4:00	68.40	911	2	0.20
2/24/2018 5:00	68.40	1190	8	0.70
2/24/2018 6:00	68.50	2144	20	0.90
2/24/2018 7:00	68.40	3639	48	1.30
2/24/2018 8:00	68.40	5682	319	5.60
2/24/2018 9:00	67.30	6683	372	5.60
2/24/2018 10:00	66.10	7360	449	6.10
2/24/2018 11:00	65.60	8129	539	6.60
2/24/2018 12:00	64.40	8227	501	6.10
2/24/2018 13:00	64.10	7440	193	2.60
2/24/2018 14:00	64.30	7268	214	2.90
2/24/2018 15:00	64.90	6950	213	3.10
2/24/2018 16:00	63.70	7520	237	3.20
2/24/2018 17:00	64.10	7120	249	3.50
2/24/2018 18:00	64.20	6378	182	2.90
2/24/2018 19:00	65.40	5037	128	2.50
2/24/2018 20:00	68.40	4253	83	2.00
2/24/2018 21:00	68.00	3689	62	1.70
2/24/2018 22:00	67.80	3166	46	1.50
2/24/2018 23:00	68.40	2360	26	1.10
2/25/2018 0:00	51.80	11424	2	0.00
2/25/2018 1:00	75.60	8880	2	0.00
2/25/2018 2:00	74.30	7050	1	0.00
2/25/2018 3:00	75.60	5669	2	0.00
2/25/2018 4:00	71.50	5661	7	0.10
2/25/2018 5:00	73.60	8893	2	0.00
2/25/2018 6:00	70.50	12248	0	0.00
2/25/2018 7:00	65.10	14883	0	0.00
2/25/2018 8:00	57.40	16736	1	0.00
2/25/2018 9:00	49.80	17095	2	0.00
2/25/2018 10:00	46.10	17226	1	0.00
2/25/2018 11:00	45.10	17353	0	0.00
2/25/2018 12:00	42.20	16864	0	0.00
2/25/2018 13:00	42.10	16357	0	0.00
2/25/2018 14:00	41.90	16755	0	0.00
2/25/2018 15:00	42.80	16752	5	0.00
2/25/2018 16:00	44.80	17213	0	0.00
2/25/2018 17:00	45.50	17327	1	0.00
2/25/2018 18:00	46.90	17295	0	0.00
2/25/2018 19:00	50.60	17155	2	0.00
2/25/2018 20:00	54.20	16680	2	0.00
2/25/2018 21:00	78.10	15808	0	0.00
2/25/2018 22:00	82.10	13531	0	0.00
2/25/2018 23:00	78.90	11035	0	0.00
2/26/2018 0:00	69.60	941	3	0.30
2/26/2018 1:00	69.40	881	3	0.30
2/26/2018 2:00	69.40	751	5	0.70
2/26/2018 3:00	69.30	795	3	0.40
2/26/2018 4:00	68.80	1199	8	0.70
2/26/2018 5:00	69.50	2426	13	0.50
2/26/2018 6:00	68.50	4478	66	1.50
2/26/2018 7:00	67.10	6667	186	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/26/2018 8:00	65.00	6955	164	2.40
2/26/2018 9:00	64.40	6359	149	2.30
2/26/2018 10:00	64.40	6071	141	2.30
2/26/2018 11:00	64.00	6711	194	2.90
2/26/2018 12:00	62.90	6946	203	2.90
2/26/2018 13:00	62.90	7294	211	2.90
2/26/2018 14:00	61.90	8840	283	3.20
2/26/2018 15:00	45.20	8575	772	9.00
2/26/2018 16:00	46.70	8759	814	9.30
2/26/2018 17:00	50.60	8747	580	6.60
2/26/2018 18:00	52.50	8010	553	6.90
2/26/2018 19:00	66.20	5606	121	2.20
2/26/2018 20:00	68.40	4348	72	1.70
2/26/2018 21:00	67.90	3359	35	1.00
2/26/2018 22:00	68.60	2515	23	0.90
2/26/2018 23:00	68.10	1672	12	0.70
2/27/2018 0:00	68.50	1277	6	0.50
2/27/2018 1:00	68.80	1044	11	1.10
2/27/2018 2:00	68.90	812	4	0.50
2/27/2018 3:00	68.90	893	4	0.40
2/27/2018 4:00	67.00	1162	6	0.50
2/27/2018 5:00	67.60	2093	18	0.90
2/27/2018 6:00	63.90	4189	85	2.00
2/27/2018 7:00	64.60	6727	129	1.90
2/27/2018 8:00	64.60	6796	142	2.10
2/27/2018 9:00	64.00	6160	142	2.30
2/27/2018 10:00	64.60	6018	97	1.60
2/27/2018 11:00	64.50	6472	178	2.80
2/27/2018 12:00	64.20	6835	146	2.10
2/27/2018 13:00	63.80	7034	164	2.30
2/27/2018 14:00	61.80	8536	248	2.90
2/27/2018 15:00	62.10	8895	269	3.00
2/27/2018 16:00	54.90	8904	541	6.10
2/27/2018 17:00	57.90	8978	310	3.50
2/27/2018 18:00	62.10	7700	206	2.70
2/27/2018 19:00	66.00	5969	131	2.20
2/27/2018 20:00	68.30	4408	79	1.80
2/27/2018 21:00	69.00	3469	44	1.30
2/27/2018 22:00	68.90	2545	33	1.30
2/27/2018 23:00	68.30	1606	19	1.20
2/28/2018 0:00	69.40	1120	9	0.80
2/28/2018 1:00	69.10	988	4	0.40
2/28/2018 2:00	69.40	868	5	0.60
2/28/2018 3:00	69.40	874	2	0.20
2/28/2018 4:00	68.60	1090	5	0.50
2/28/2018 5:00	68.30	2421	16	0.70
2/28/2018 6:00	67.20	4452	82	1.80
2/28/2018 7:00	65.40	6626	161	2.40
2/28/2018 8:00	63.80	7005	169	2.40
2/28/2018 9:00	63.20	6724	144	2.10
2/28/2018 10:00	63.40	6428	108	1.70
2/28/2018 11:00	63.30	6903	195	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/28/2018 12:00	63.00	7012	201	2.90
2/28/2018 13:00	62.40	7760	212	2.70
2/28/2018 14:00	60.90	8904	272	3.10
2/28/2018 15:00	54.40	8763	474	5.40
2/28/2018 16:00	58.50	8840	360	4.10
2/28/2018 17:00	51.10	9232	671	7.30
2/28/2018 18:00	53.50	8872	444	5.00
2/28/2018 19:00	64.70	6525	162	2.50
2/28/2018 20:00	67.60	4846	105	2.20
2/28/2018 21:00	66.90	3949	51	1.30
2/28/2018 22:00	68.40	2717	27	1.00
2/28/2018 23:00	68.20	1677	11	0.70
3/01/2018 0:00	64.80	1321	30	2.30
3/01/2018 1:00	69.40	876	2	0.20
3/01/2018 2:00	69.20	899	2	0.20
3/01/2018 3:00	69.20	816	4	0.50
3/01/2018 4:00	68.60	1155	5	0.40
3/01/2018 5:00	68.40	2524	16	0.60
3/01/2018 6:00	66.90	4686	85	1.80
3/01/2018 7:00	66.00	6546	154	2.40
3/01/2018 8:00	65.00	6652	141	2.10
3/01/2018 9:00	63.30	6856	140	2.00
3/01/2018 10:00	63.90	6579	151	2.30
3/01/2018 11:00	63.70	6530	131	2.00
3/01/2018 12:00	62.80	7265	197	2.70
3/01/2018 13:00	62.10	7883	220	2.80
3/01/2018 14:00	61.80	8893	263	3.00
3/01/2018 15:00	57.60	8754	445	5.10
3/01/2018 16:00	59.60	8988	373	4.10
3/01/2018 17:00	60.40	8707	293	3.40
3/01/2018 18:00	58.80	8777	310	3.50
3/01/2018 19:00	64.80	6628	215	3.20
3/01/2018 20:00	68.30	4722	133	2.80
3/01/2018 21:00	68.80	3976	92	2.30
3/01/2018 22:00	68.20	2673	30	1.10
3/01/2018 23:00	67.70	1871	10	0.50
3/02/2018 0:00	69.10	1354	10	0.70
3/02/2018 1:00	69.10	1003	2	0.20
3/02/2018 2:00	68.90	935	5	0.50
3/02/2018 3:00	68.80	933	1	0.10
3/02/2018 4:00	68.20	1043	8	0.80
3/02/2018 5:00	68.40	2375	14	0.60
3/02/2018 6:00	66.80	4515	77	1.70
3/02/2018 7:00	66.10	6508	174	2.70
3/02/2018 8:00	64.90	6953	185	2.70
3/02/2018 9:00	64.60	6220	112	1.80
3/02/2018 10:00	64.20	6675	166	2.50
3/02/2018 11:00	63.40	7250	162	2.20
3/02/2018 12:00	63.00	7677	191	2.50
3/02/2018 13:00	62.90	8271	242	2.90
3/02/2018 14:00	61.60	9292	294	3.20
3/02/2018 15:00	58.60	8809	409	4.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/02/2018 16:00	57.10	8858	438	4.90
3/02/2018 17:00	40.10	7786	481	6.20
3/02/2018 18:00	59.60	8765	270	3.10
3/02/2018 19:00	64.30	6621	185	2.80
3/02/2018 20:00	66.90	5005	102	2.00
3/02/2018 21:00	67.10	4391	63	1.40
3/02/2018 22:00	68.30	3447	52	1.50
3/02/2018 23:00	69.10	2576	19	0.70
3/03/2018 0:00	68.30	1477	11	0.70
3/03/2018 1:00	68.40	1083	2	0.20
3/03/2018 2:00	68.70	1085	11	1.00
3/03/2018 3:00	69.20	900	6	0.70
3/03/2018 4:00	68.60	994	6	0.60
3/03/2018 5:00	68.40	1257	3	0.20
3/03/2018 6:00	68.50	2132	17	0.80
3/03/2018 7:00	68.40	3384	44	1.30
3/03/2018 8:00	66.40	4730	92	1.90
3/03/2018 9:00	60.70	5759	136	2.40
3/03/2018 10:00	61.80	6454	186	2.90
3/03/2018 11:00	64.70	7207	216	3.00
3/03/2018 12:00	65.00	7339	208	2.80
3/03/2018 13:00	64.90	7319	210	2.90
3/03/2018 14:00	65.30	6949	181	2.60
3/03/2018 15:00	65.60	6963	193	2.80
3/03/2018 16:00	66.30	6836	164	2.40
3/03/2018 17:00	65.80	6857	184	2.70
3/03/2018 18:00	64.30	6321	180	2.80
3/03/2018 19:00	66.00	4710	101	2.10
3/03/2018 20:00	68.60	3899	85	2.20
3/03/2018 21:00	68.40	3617	51	1.40
3/03/2018 22:00	68.20	3178	50	1.60
3/03/2018 23:00	68.60	2273	14	0.60
3/04/2018 0:00	72.40	10926	1	0.00
3/04/2018 1:00	74.50	8227	0	0.00
3/04/2018 2:00	74.40	6681	0	0.00
3/04/2018 3:00	75.00	5068	1	0.00
3/04/2018 4:00	76.80	5808	7	0.10
3/04/2018 5:00	77.60	8763	1	0.00
3/04/2018 6:00	70.40	12061	5	0.00
3/04/2018 7:00	65.00	14742	2	0.00
3/04/2018 8:00	57.10	16532	0	0.00
3/04/2018 9:00	49.50	17358	4	0.00
3/04/2018 10:00	45.50	17688	2	0.00
3/04/2018 11:00	44.30	17784	2	0.00
3/04/2018 12:00	42.60	17469	5	0.00
3/04/2018 13:00	42.90	17343	0	0.00
3/04/2018 14:00	42.90	17380	1	0.00
3/04/2018 15:00	42.70	17409	1	0.00
3/04/2018 16:00	43.40	17658	0	0.00
3/04/2018 17:00	44.10	17748	1	0.00
3/04/2018 18:00	45.30	17469	0	0.00
3/04/2018 19:00	49.10	17150	1	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/04/2018 20:00	53.00	16395	1	0.00
3/04/2018 21:00	69.10	15989	0	0.00
3/04/2018 22:00	70.50	13821	0	0.00
3/04/2018 23:00	68.80	11390	3	0.00
3/05/2018 0:00	69.60	1044	3	0.30
3/05/2018 1:00	69.30	872	4	0.50
3/05/2018 2:00	69.00	807	6	0.70
3/05/2018 3:00	69.20	909	3	0.30
3/05/2018 4:00	69.30	1354	19	1.40
3/05/2018 5:00	68.80	2402	25	1.00
3/05/2018 6:00	68.20	4413	87	2.00
3/05/2018 7:00	66.60	6879	123	1.80
3/05/2018 8:00	64.30	6829	154	2.30
3/05/2018 9:00	63.60	6386	155	2.40
3/05/2018 10:00	63.90	5983	114	1.90
3/05/2018 11:00	63.90	6606	182	2.80
3/05/2018 12:00	64.10	6656	124	1.90
3/05/2018 13:00	64.10	7164	192	2.70
3/05/2018 14:00	62.70	8718	240	2.80
3/05/2018 15:00	61.50	8625	319	3.70
3/05/2018 16:00	38.90	6822	623	9.10
3/05/2018 17:00	34.20	7274	787	10.80
3/05/2018 18:00	55.70	7728	257	3.30
3/05/2018 19:00	67.70	5427	100	1.80
3/05/2018 20:00	68.10	4313	86	2.00
3/05/2018 21:00	68.50	3410	45	1.30
3/05/2018 22:00	67.40	2430	27	1.10
3/05/2018 23:00	68.30	1670	22	1.30
3/06/2018 0:00	55.70	3315	10	0.30
3/06/2018 1:00	73.50	2329	4	0.20
3/06/2018 2:00	75.30	1920	1	0.10
3/06/2018 3:00	74.10	2608	3	0.10
3/06/2018 4:00	69.40	4772	41	0.90
3/06/2018 5:00	64.50	6401	77	1.20
3/06/2018 6:00	66.00	6625	174	2.60
3/06/2018 7:00	66.10	6710	137	2.00
3/06/2018 8:00	64.30	6732	132	2.00
3/06/2018 9:00	63.60	6639	219	3.30
3/06/2018 10:00	64.50	6342	139	2.20
3/06/2018 11:00	64.00	7111	181	2.50
3/06/2018 12:00	63.80	6670	168	2.50
3/06/2018 13:00	63.40	7268	189	2.60
3/06/2018 14:00	62.50	8572	286	3.30
3/06/2018 15:00	52.80	8790	648	7.40
3/06/2018 16:00	58.40	8975	323	3.60
3/06/2018 17:00	40.20	8682	976	11.20
3/06/2018 18:00	59.60	8711	261	3.00
3/06/2018 19:00	65.60	6361	149	2.30
3/06/2018 20:00	68.20	4781	97	2.00
3/06/2018 21:00	68.80	3792	50	1.30
3/06/2018 22:00	67.60	2660	32	1.20
3/06/2018 23:00	67.30	1761	19	1.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/07/2018 0:00	68.50	1255	9	0.70
3/07/2018 1:00	68.70	1017	2	0.20
3/07/2018 2:00	69.10	857	4	0.50
3/07/2018 3:00	69.10	840	2	0.20
3/07/2018 4:00	68.20	1018	7	0.70
3/07/2018 5:00	68.60	2309	9	0.40
3/07/2018 6:00	66.30	4705	92	2.00
3/07/2018 7:00	65.80	6914	202	2.90
3/07/2018 8:00	64.10	6917	108	1.60
3/07/2018 9:00	63.80	6532	129	2.00
3/07/2018 10:00	63.00	6411	142	2.20
3/07/2018 11:00	63.70	6750	162	2.40
3/07/2018 12:00	62.30	8160	251	3.10
3/07/2018 13:00	61.10	8539	301	3.50
3/07/2018 14:00	60.20	9240	264	2.90
3/07/2018 15:00	61.60	9463	246	2.60
3/07/2018 16:00	61.50	9168	277	3.00
3/07/2018 17:00	61.60	9389	276	2.90
3/07/2018 18:00	57.70	8897	281	3.20
3/07/2018 19:00	59.00	8675	240	2.80
3/07/2018 20:00	64.70	5990	166	2.80
3/07/2018 21:00	67.90	4439	86	1.90
3/07/2018 22:00	68.70	2856	29	1.00
3/07/2018 23:00	68.10	1938	15	0.80
3/08/2018 0:00	69.50	1069	11	1.00
3/08/2018 1:00	69.00	871	4	0.50
3/08/2018 2:00	69.10	831	1	0.10
3/08/2018 3:00	69.20	893	3	0.30
3/08/2018 4:00	68.20	1104	7	0.60
3/08/2018 5:00	68.20	2414	19	0.80
3/08/2018 6:00	67.20	4694	77	1.60
3/08/2018 7:00	65.50	8164	180	2.20
3/08/2018 8:00	64.70	8227	267	3.20
3/08/2018 9:00	64.70	8209	433	5.30
3/08/2018 10:00	64.40	7657	414	5.40
3/08/2018 11:00	63.60	7803	431	5.50
3/08/2018 12:00	63.20	8185	415	5.10
3/08/2018 13:00	63.00	8555	523	6.10
3/08/2018 14:00	63.20	9307	371	4.00
3/08/2018 15:00	57.60	9174	879	9.60
3/08/2018 16:00	59.90	9316	520	5.60
3/08/2018 17:00	59.70	9064	539	5.90
3/08/2018 18:00	60.60	8128	379	4.70
3/08/2018 19:00	65.70	6438	257	4.00
3/08/2018 20:00	67.30	4963	124	2.50
3/08/2018 21:00	69.00	3729	108	2.90
3/08/2018 22:00	67.90	3121	75	2.40
3/08/2018 23:00	68.50	2054	33	1.60
3/09/2018 0:00	68.50	1302	24	1.80
3/09/2018 1:00	65.90	1043	23	2.20
3/09/2018 2:00	69.50	898	9	1.00
3/09/2018 3:00	68.20	832	11	1.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/09/2018 4:00	69.40	1196	24	2.00
3/09/2018 5:00	67.40	2152	70	3.30
3/09/2018 6:00	67.70	5409	129	2.40
3/09/2018 7:00	66.20	6734	182	2.70
3/09/2018 8:00	63.90	7392	234	3.20
3/09/2018 9:00	62.20	6803	297	4.40
3/09/2018 10:00	56.00	7327	337	4.60
3/09/2018 11:00	63.00	7577	250	3.30
3/09/2018 12:00	62.40	7853	278	3.50
3/09/2018 13:00	60.90	8101	299	3.70
3/09/2018 14:00	61.20	9319	394	4.20
3/09/2018 15:00	58.70	9301	393	4.20
3/09/2018 16:00	57.60	8615	348	4.00
3/09/2018 17:00	56.30	8786	521	5.90
3/09/2018 18:00	59.80	8641	354	4.10
3/09/2018 19:00	66.30	5913	236	4.00
3/09/2018 20:00	68.20	4729	129	2.70
3/09/2018 21:00	68.40	4230	150	3.50
3/09/2018 22:00	69.40	3533	82	2.30
3/09/2018 23:00	68.20	2411	55	2.30
3/10/2018 0:00	70.00	1561	64	4.10
3/10/2018 1:00	70.40	1024	22	2.10
3/10/2018 2:00	69.90	885	32	3.60
3/10/2018 3:00	69.70	680	10	1.50
3/10/2018 4:00	70.00	846	18	2.10
3/10/2018 5:00	70.70	1490	58	3.90
3/10/2018 6:00	70.40	2999	138	4.60
3/10/2018 7:00	69.40	4345	242	5.60
3/10/2018 8:00	68.50	5706	309	5.40
3/10/2018 9:00	67.20	6644	394	5.90
3/10/2018 10:00	65.70	7283	482	6.60
3/10/2018 11:00	65.50	8164	547	6.70
3/10/2018 12:00	64.70	8498	560	6.60
3/10/2018 13:00	65.40	8292	515	6.20
3/10/2018 14:00	65.90	8236	504	6.10
3/10/2018 15:00	66.50	8119	457	5.60
3/10/2018 16:00	66.90	8146	520	6.40
3/10/2018 17:00	67.00	7899	485	6.10
3/10/2018 18:00	67.00	7096	464	6.50
3/10/2018 19:00	68.20	5634	305	5.40
3/10/2018 20:00	68.70	4800	219	4.60
3/10/2018 21:00	69.60	4388	191	4.40
3/10/2018 22:00	70.00	3875	153	3.90
3/10/2018 23:00	70.20	2770	99	3.60
3/11/2018 0:00	62.10	11221	0	0.00
3/11/2018 1:00	75.10	8561	0	0.00
3/11/2018 3:00	75.30	5388	0	0.00
3/11/2018 4:00	74.20	5752	1	0.00
3/11/2018 5:00	75.60	8861	0	0.00
3/11/2018 6:00	70.40	12218	0	0.00
3/11/2018 7:00	65.10	14848	1	0.00
3/11/2018 8:00	57.30	16663	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/11/2018 9:00	49.80	17216	2	0.00
3/11/2018 10:00	45.90	17491	0	0.00
3/11/2018 11:00	44.70	17551	1	0.00
3/11/2018 12:00	42.50	17115	1	0.00
3/11/2018 13:00	42.50	17074	0	0.00
3/11/2018 14:00	42.50	16964	1	0.00
3/11/2018 15:00	42.80	17062	3	0.00
3/11/2018 16:00	44.20	17407	0	0.00
3/11/2018 17:00	44.90	17585	0	0.00
3/11/2018 18:00	46.20	17397	0	0.00
3/11/2018 19:00	49.90	17151	0	0.00
3/11/2018 20:00	53.60	16530	0	0.00
3/11/2018 21:00	73.60	15880	0	0.00
3/11/2018 22:00	76.30	13693	0	0.00
3/11/2018 23:00	73.90	11242	0	0.00
3/12/2018 0:00	70.80	1034	16	1.50
3/12/2018 1:00	70.50	680	8	1.20
3/12/2018 2:00	70.20	550	6	1.10
3/12/2018 3:00	69.80	601	14	2.30
3/12/2018 4:00	70.20	1177	43	3.70
3/12/2018 5:00	70.30	3383	118	3.50
3/12/2018 6:00	68.50	6069	188	3.10
3/12/2018 7:00	67.10	7266	134	1.80
3/12/2018 8:00	64.90	7526	208	2.80
3/12/2018 9:00	63.70	7607	401	5.30
3/12/2018 10:00	63.70	7148	376	5.30
3/12/2018 11:00	63.80	7536	420	5.60
3/12/2018 12:00	63.80	7742	432	5.60
3/12/2018 13:00	63.60	8060	464	5.80
3/12/2018 14:00	62.80	8898	574	6.50
3/12/2018 15:00	61.00	8769	850	9.70
3/12/2018 16:00	54.90	8356	1371	16.40
3/12/2018 17:00	60.40	8299	929	11.20
3/12/2018 18:00	63.30	7162	684	9.60
3/12/2018 19:00	68.20	5378	302	5.60
3/12/2018 20:00	68.40	4376	203	4.60
3/12/2018 21:00	69.40	3654	147	4.00
3/12/2018 22:00	69.60	2654	100	3.80
3/12/2018 23:00	69.80	1600	44	2.80
3/13/2018 0:00	55.60	3285	15	0.50
3/13/2018 1:00	73.50	2311	4	0.20
3/13/2018 2:00	75.40	1909	5	0.30
3/13/2018 3:00	74.10	2603	5	0.20
3/13/2018 4:00	69.40	4757	46	1.00
3/13/2018 5:00	64.40	6386	78	1.20
3/13/2018 6:00	66.00	6629	167	2.50
3/13/2018 7:00	65.50	8061	137	1.70
3/13/2018 8:00	64.60	8045	245	3.00
3/13/2018 9:00	63.70	8837	415	4.70
3/13/2018 10:00	64.00	10330	408	3.90
3/13/2018 11:00	63.10	10297	401	3.90
3/13/2018 12:00	63.30	9480	425	4.50



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/13/2018 13:00	63.90	8997	465	5.20
3/13/2018 14:00	63.00	9088	564	6.20
3/13/2018 15:00	58.10	8866	1118	12.60
3/13/2018 16:00	60.00	8820	670	7.60
3/13/2018 17:00	59.00	8958	867	9.70
3/13/2018 18:00	63.70	8228	794	9.60
3/13/2018 19:00	68.70	9890	363	3.70
3/13/2018 20:00	75.20	8871	208	2.30
3/13/2018 21:00	78.00	8166	159	1.90
3/13/2018 22:00	79.70	6448	111	1.70
3/13/2018 23:00	78.90	4772	54	1.10
3/14/2018 0:00	69.00	1299	6	0.50
3/14/2018 1:00	68.80	1031	7	0.70
3/14/2018 2:00	69.10	879	3	0.30
3/14/2018 3:00	69.30	894	1	0.10
3/14/2018 4:00	68.20	1133	4	0.40
3/14/2018 5:00	67.50	2006	30	1.50
3/14/2018 6:00	64.90	4126	91	2.20
3/14/2018 7:00	64.20	6278	161	2.60
3/14/2018 8:00	62.50	6925	195	2.80
3/14/2018 9:00	49.50	6986	406	5.80
3/14/2018 10:00	63.20	6298	168	2.70
3/14/2018 11:00	64.20	6799	132	1.90
3/14/2018 12:00	63.60	7147	173	2.40
3/14/2018 13:00	62.70	7362	153	2.10
3/14/2018 14:00	61.90	8771	255	2.90
3/14/2018 15:00	59.10	9073	397	4.40
3/14/2018 16:00	58.20	8972	358	4.00
3/14/2018 17:00	60.20	9170	380	4.10
3/14/2018 18:00	56.90	7787	512	6.60
3/14/2018 19:00	66.10	6062	162	2.70
3/14/2018 20:00	67.00	4810	104	2.20
3/14/2018 21:00	67.70	3926	65	1.70
3/14/2018 22:00	67.70	2984	37	1.20
3/14/2018 23:00	66.60	1787	22	1.20
3/15/2018 0:00	69.30	1204	9	0.70
3/15/2018 1:00	69.00	918	2	0.20
3/15/2018 2:00	68.90	932	1	0.10
3/15/2018 3:00	68.90	879	4	0.50
3/15/2018 4:00	67.50	1217	7	0.60
3/15/2018 5:00	67.40	2101	18	0.90
3/15/2018 6:00	64.00	4173	75	1.80
3/15/2018 7:00	65.00	6515	174	2.70
3/15/2018 8:00	64.00	6906	111	1.60
3/15/2018 9:00	64.00	6508	130	2.00
3/15/2018 10:00	62.40	6785	136	2.00
3/15/2018 11:00	62.80	6731	108	1.60
3/15/2018 12:00	62.80	7355	201	2.70
3/15/2018 13:00	62.60	7799	213	2.70
3/15/2018 14:00	61.20	8853	258	2.90
3/15/2018 15:00	46.60	8458	653	7.70
3/15/2018 16:00	43.40	8330	770	9.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/15/2018 17:00	53.10	9246	343	3.70
3/15/2018 18:00	61.60	8782	303	3.50
3/15/2018 19:00	65.60	6408	179	2.80
3/15/2018 20:00	66.80	5183	111	2.10
3/15/2018 21:00	67.70	4022	54	1.30
3/15/2018 22:00	67.10	2848	28	1.00
3/15/2018 23:00	66.50	1994	23	1.20
3/16/2018 0:00	68.90	1317	11	0.80
3/16/2018 1:00	69.40	835	4	0.50
3/16/2018 2:00	69.10	884	3	0.30
3/16/2018 3:00	68.60	868	3	0.30
3/16/2018 4:00	67.90	1110	5	0.50
3/16/2018 5:00	67.60	2254	16	0.70
3/16/2018 6:00	63.10	4189	69	1.60
3/16/2018 7:00	64.60	6393	166	2.60
3/16/2018 8:00	63.40	6820	128	1.90
3/16/2018 9:00	63.00	6881	152	2.20
3/16/2018 10:00	62.90	6783	144	2.10
3/16/2018 11:00	62.40	7160	166	2.30
3/16/2018 12:00	62.10	7580	229	3.00
3/16/2018 13:00	60.80	8289	265	3.20
3/16/2018 14:00	60.50	9043	248	2.70
3/16/2018 15:00	52.10	8855	534	6.00
3/16/2018 16:00	50.00	8703	603	6.90
3/16/2018 17:00	51.40	9176	535	5.80
3/16/2018 18:00	61.10	8506	204	2.40
3/16/2018 19:00	65.20	6256	166	2.70
3/16/2018 20:00	65.90	5034	116	2.30
3/16/2018 21:00	68.50	4239	85	2.00
3/16/2018 22:00	68.40	3503	40	1.10
3/16/2018 23:00	69.70	2563	16	0.60
3/17/2018 0:00	68.40	1778	19	1.10
3/17/2018 1:00	69.60	898	1	0.10
3/17/2018 2:00	69.40	840	2	0.20
3/17/2018 3:00	68.90	884	0	0.00
3/17/2018 4:00	68.60	957	4	0.40
3/17/2018 5:00	68.30	1228	7	0.60
3/17/2018 6:00	62.00	1963	27	1.40
3/17/2018 7:00	66.90	3182	43	1.40
3/17/2018 8:00	65.30	4864	135	2.80
3/17/2018 9:00	63.70	5933	155	2.60
3/17/2018 10:00	65.30	6251	162	2.60
3/17/2018 11:00	65.80	6685	181	2.70
3/17/2018 12:00	64.20	7188	184	2.60
3/17/2018 13:00	64.50	7405	216	2.90
3/17/2018 14:00	65.60	7183	172	2.40
3/17/2018 15:00	65.80	6936	194	2.80
3/17/2018 16:00	66.60	6500	158	2.40
3/17/2018 17:00	67.00	6691	168	2.50
3/17/2018 18:00	67.60	5899	174	2.90
3/17/2018 19:00	67.20	4961	96	1.90
3/17/2018 20:00	67.70	4505	94	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/17/2018 21:00	66.70	3878	66	1.70
3/17/2018 22:00	68.60	3170	58	1.80
3/17/2018 23:00	68.00	2306	22	1.00
3/18/2018 0:00	44.80	6254	0	0.00
3/18/2018 1:00	57.60	5332	0	0.00
3/18/2018 2:00	59.70	4202	0	0.00
3/18/2018 3:00	61.00	3373	1	0.00
3/18/2018 4:00	56.40	3627	2	0.10
3/18/2018 5:00	54.30	5007	0	0.00
3/18/2018 6:00	46.80	6888	0	0.00
3/18/2018 7:00	43.90	8485	0	0.00
3/18/2018 8:00	46.80	11088	0	0.00
3/18/2018 9:00	39.80	12727	7	0.10
3/18/2018 10:00	45.60	17910	0	0.00
3/18/2018 11:00	43.90	17499	1	0.00
3/18/2018 12:00	42.70	17371	0	0.00
3/18/2018 13:00	42.80	17574	2	0.00
3/18/2018 14:00	42.00	17195	0	0.00
3/18/2018 15:00	42.00	17370	0	0.00
3/18/2018 16:00	42.50	17042	0	0.00
3/18/2018 17:00	43.40	17128	3	0.00
3/18/2018 18:00	45.80	17245	0	0.00
3/18/2018 19:00	47.20	17147	0	0.00
3/18/2018 20:00	49.40	16466	0	0.00
3/18/2018 21:00	64.60	15636	0	0.00
3/18/2018 22:00	63.70	13496	0	0.00
3/18/2018 23:00	63.80	10933	0	0.00
3/19/2018 0:00	69.60	1102	4	0.40
3/19/2018 1:00	69.20	907	3	0.30
3/19/2018 2:00	69.50	831	7	0.80
3/19/2018 3:00	69.00	922	4	0.40
3/19/2018 4:00	68.80	1162	8	0.70
3/19/2018 5:00	67.00	2278	9	0.40
3/19/2018 6:00	66.80	4256	70	1.60
3/19/2018 7:00	66.40	6389	152	2.40
3/19/2018 8:00	64.20	7021	157	2.20
3/19/2018 9:00	65.20	6244	130	2.10
3/19/2018 10:00	64.40	6259	136	2.20
3/19/2018 11:00	64.70	6583	137	2.10
3/19/2018 12:00	64.00	6957	192	2.80
3/19/2018 13:00	63.00	7284	210	2.90
3/19/2018 14:00	61.90	8593	225	2.60
3/19/2018 15:00	50.10	8740	631	7.20
3/19/2018 16:00	51.00	8732	555	6.40
3/19/2018 17:00	55.50	9052	488	5.40
3/19/2018 18:00	64.40	7648	178	2.30
3/19/2018 19:00	66.80	5740	127	2.20
3/19/2018 20:00	67.30	4473	81	1.80
3/19/2018 21:00	69.10	3564	44	1.20
3/19/2018 22:00	69.30	2551	35	1.40
3/19/2018 23:00	69.00	1804	16	0.90
3/20/2018 0:00	69.70	1389	10	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/20/2018 1:00	69.60	1007	2	0.20
3/20/2018 2:00	70.00	857	7	0.80
3/20/2018 3:00	70.00	832	3	0.40
3/20/2018 4:00	69.00	1017	4	0.40
3/20/2018 5:00	70.00	2461	16	0.70
3/20/2018 6:00	66.30	4345	83	1.90
3/20/2018 7:00	66.20	6880	157	2.30
3/20/2018 8:00	63.90	6900	134	1.90
3/20/2018 9:00	64.10	6607	136	2.10
3/20/2018 10:00	64.40	6618	167	2.50
3/20/2018 11:00	63.50	6632	190	2.90
3/20/2018 12:00	64.20	7149	173	2.40
3/20/2018 13:00	63.10	7350	210	2.90
3/20/2018 14:00	62.00	8636	264	3.10
3/20/2018 15:00	55.00	8958	578	6.50
3/20/2018 16:00	48.80	8754	834	9.50
3/20/2018 17:00	55.20	9297	371	4.00
3/20/2018 18:00	64.80	8380	244	2.90
3/20/2018 19:00	67.40	5960	144	2.40
3/20/2018 20:00	67.80	4801	102	2.10
3/20/2018 21:00	67.70	3898	72	1.80
3/20/2018 22:00	68.80	2787	35	1.30
3/20/2018 23:00	69.50	1827	12	0.70
3/21/2018 0:00	69.70	1015	3	0.30
3/21/2018 1:00	69.40	1067	3	0.30
3/21/2018 2:00	69.40	870	4	0.50
3/21/2018 3:00	69.40	895	1	0.10
3/21/2018 4:00	68.40	1043	2	0.20
3/21/2018 5:00	68.50	2299	19	0.80
3/21/2018 6:00	66.60	4404	90	2.00
3/21/2018 7:00	67.20	6609	115	1.70
3/21/2018 8:00	64.70	7135	163	2.30
3/21/2018 9:00	64.30	6625	130	2.00
3/21/2018 10:00	64.10	6505	152	2.30
3/21/2018 11:00	63.80	6944	188	2.70
3/21/2018 12:00	63.30	7401	206	2.80
3/21/2018 13:00	62.30	7611	218	2.90
3/21/2018 14:00	62.90	8876	238	2.70
3/21/2018 15:00	44.20	8319	776	9.30
3/21/2018 16:00	53.60	8945	366	4.10
3/21/2018 17:00	58.70	9256	452	4.90
3/21/2018 18:00	63.20	8569	255	3.00
3/21/2018 19:00	66.10	6233	142	2.30
3/21/2018 20:00	67.40	5066	115	2.30
3/21/2018 21:00	68.80	4080	58	1.40
3/21/2018 22:00	68.90	2921	34	1.20
3/21/2018 23:00	69.50	1860	12	0.60
3/22/2018 0:00	69.10	1204	11	0.90
3/22/2018 1:00	69.60	822	1	0.10
3/22/2018 2:00	69.40	876	5	0.60
3/22/2018 3:00	69.00	903	5	0.60
3/22/2018 4:00	68.60	1138	4	0.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/22/2018 5:00	69.40	2265	14	0.60
3/22/2018 6:00	66.40	4286	86	2.00
3/22/2018 7:00	66.10	6784	147	2.20
3/22/2018 8:00	64.30	6862	171	2.50
3/22/2018 9:00	63.80	6678	147	2.20
3/22/2018 10:00	61.90	6467	160	2.50
3/22/2018 11:00	63.90	6784	128	1.90
3/22/2018 12:00	63.00	7427	183	2.50
3/22/2018 13:00	63.80	7435	200	2.70
3/22/2018 14:00	64.50	8310	253	3.00
3/22/2018 15:00	55.90	8910	554	6.20
3/22/2018 16:00	62.40	9292	259	2.80
3/22/2018 17:00	63.60	9016	269	3.00
3/22/2018 18:00	67.00	7259	158	2.20
3/22/2018 19:00	66.30	5778	121	2.10
3/22/2018 20:00	66.80	4685	84	1.80
3/22/2018 21:00	67.60	3875	64	1.70
3/22/2018 22:00	68.00	2726	35	1.30
3/22/2018 23:00	67.80	1449	13	0.90
3/23/2018 0:00	69.40	1007	4	0.40
3/23/2018 1:00	69.10	863	2	0.20
3/23/2018 2:00	68.90	926	7	0.80
3/23/2018 3:00	68.80	849	5	0.60
3/23/2018 4:00	68.30	1099	5	0.50
3/23/2018 5:00	67.70	2147	13	0.60
3/23/2018 6:00	64.40	4044	66	1.60
3/23/2018 7:00	57.70	5136	131	2.60
3/23/2018 8:00	55.90	6602	186	2.80
3/23/2018 9:00	60.70	6916	165	2.40
3/23/2018 10:00	62.30	6710	171	2.50
3/23/2018 11:00	61.70	7135	152	2.10
3/23/2018 12:00	62.30	7917	187	2.40
3/23/2018 13:00	61.80	8098	218	2.70
3/23/2018 14:00	61.20	8975	271	3.00
3/23/2018 15:00	60.70	9144	300	3.30
3/23/2018 16:00	61.60	9045	244	2.70
3/23/2018 17:00	61.10	9373	306	3.30
3/23/2018 18:00	62.40	8222	226	2.70
3/23/2018 19:00	65.20	6072	128	2.10
3/23/2018 20:00	65.90	4986	103	2.10
3/23/2018 21:00	67.90	4214	86	2.00
3/23/2018 22:00	68.20	3362	46	1.40
3/23/2018 23:00	68.50	2486	20	0.80
3/24/2018 0:00	69.10	1686	10	0.60
3/24/2018 1:00	69.50	1094	11	1.00
3/24/2018 2:00	69.80	793	2	0.30
3/24/2018 3:00	69.50	821	2	0.20
3/24/2018 4:00	68.90	908	1	0.10
3/24/2018 5:00	68.70	1158	4	0.30
3/24/2018 6:00	68.40	2181	20	0.90
3/24/2018 7:00	69.10	3576	41	1.10
3/24/2018 8:00	67.80	5054	96	1.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/24/2018 9:00	66.40	6175	153	2.50
3/24/2018 10:00	66.30	6543	156	2.40
3/24/2018 11:00	65.70	7097	198	2.80
3/24/2018 12:00	65.00	7300	207	2.80
3/24/2018 13:00	63.80	7474	167	2.20
3/24/2018 14:00	65.20	7272	170	2.30
3/24/2018 15:00	65.50	6995	159	2.30
3/24/2018 16:00	66.20	6972	143	2.10
3/24/2018 17:00	66.20	6959	196	2.80
3/24/2018 18:00	67.60	6177	141	2.30
3/24/2018 19:00	64.80	5870	164	2.80
3/24/2018 20:00	66.00	4807	119	2.50
3/24/2018 21:00	67.70	4011	70	1.70
3/24/2018 22:00	69.10	3318	31	0.90
3/24/2018 23:00	69.00	2299	20	0.90
3/25/2018 0:00	56.60	7192	0	0.00
3/25/2018 1:00	58.50	5615	0	0.00
3/25/2018 2:00	61.00	4496	0	0.00
3/25/2018 3:00	59.60	4215	0	0.00
3/25/2018 4:00	59.20	4059	0	0.00
3/25/2018 5:00	60.30	5531	0	0.00
3/25/2018 6:00	59.00	7754	0	0.00
3/25/2018 7:00	58.80	10177	0	0.00
3/25/2018 8:00	54.40	11564	0	0.00
3/25/2018 9:00	50.40	12765	1	0.00
3/25/2018 10:00	47.30	13292	0	0.00
3/25/2018 11:00	45.70	13403	0	0.00
3/25/2018 12:00	44.60	13239	6	0.00
3/25/2018 13:00	44.30	13027	0	0.00
3/25/2018 14:00	44.80	13124	3	0.00
3/25/2018 15:00	44.60	12920	0	0.00
3/25/2018 16:00	45.80	13158	0	0.00
3/25/2018 17:00	46.30	13325	1	0.00
3/25/2018 18:00	47.50	13109	0	0.00
3/25/2018 19:00	48.90	12535	0	0.00
3/25/2018 20:00	50.90	12337	0	0.00
3/25/2018 21:00	67.70	11470	0	0.00
3/25/2018 22:00	69.40	10127	0	0.00
3/25/2018 23:00	71.60	8222	0	0.00
3/26/2018 0:00	68.40	1171	11	0.90
3/26/2018 1:00	69.00	994	11	1.10
3/26/2018 2:00	69.30	877	12	1.40
3/26/2018 3:00	69.40	829	5	0.60
3/26/2018 4:00	68.20	1053	9	0.90
3/26/2018 5:00	66.30	2302	16	0.70
3/26/2018 6:00	66.20	3907	37	0.90
3/26/2018 7:00	66.50	5387	107	2.00
3/26/2018 8:00	64.60	6279	99	1.60
3/26/2018 9:00	63.30	6064	147	2.40
3/26/2018 10:00	64.00	6017	133	2.20
3/26/2018 11:00	63.70	6498	165	2.50
3/26/2018 12:00	64.10	6865	154	2.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/26/2018 13:00	64.30	6939	186	2.70
3/26/2018 14:00	63.80	8477	224	2.60
3/26/2018 15:00	62.30	8981	292	3.30
3/26/2018 16:00	64.10	9065	274	3.00
3/26/2018 17:00	63.60	9308	256	2.80
3/26/2018 18:00	66.70	7438	198	2.70
3/26/2018 19:00	68.60	5539	96	1.70
3/26/2018 20:00	67.90	4510	91	2.00
3/26/2018 21:00	67.80	3635	40	1.10
3/26/2018 22:00	68.60	2758	30	1.10
3/26/2018 23:00	68.80	1833	17	0.90
3/27/2018 0:00	69.40	1230	4	0.30
3/27/2018 1:00	70.00	897	5	0.60
3/27/2018 2:00	69.40	905	2	0.20
3/27/2018 3:00	69.10	910	7	0.80
3/27/2018 4:00	68.50	1066	0	0.00
3/27/2018 5:00	69.10	2252	11	0.50
3/27/2018 6:00	65.40	4129	69	1.70
3/27/2018 7:00	65.60	5909	152	2.60
3/27/2018 8:00	64.40	6414	172	2.70
3/27/2018 9:00	64.50	6036	125	2.10
3/27/2018 10:00	63.90	6387	148	2.30
3/27/2018 11:00	63.90	6664	141	2.10
3/27/2018 12:00	63.90	6948	193	2.80
3/27/2018 13:00	63.50	7160	172	2.40
3/27/2018 14:00	63.00	8660	271	3.10
3/27/2018 15:00	62.00	9212	326	3.50
3/27/2018 16:00	62.20	9041	404	4.50
3/27/2018 17:00	45.00	8595	736	8.60
3/27/2018 18:00	64.20	8180	238	2.90
3/27/2018 19:00	68.10	5913	133	2.20
3/27/2018 20:00	67.60	4506	88	2.00
3/27/2018 21:00	68.40	3815	85	2.20
3/27/2018 22:00	68.80	2876	35	1.20
3/27/2018 23:00	68.70	1831	14	0.80
3/28/2018 0:00	69.60	1165	8	0.70
3/28/2018 1:00	69.50	864	3	0.30
3/28/2018 2:00	69.20	831	4	0.50
3/28/2018 3:00	69.20	888	2	0.20
3/28/2018 4:00	68.40	1032	2	0.20
3/28/2018 5:00	68.20	2267	20	0.90
3/28/2018 6:00	66.00	4157	60	1.40
3/28/2018 7:00	66.20	5749	141	2.50
3/28/2018 8:00	65.50	6659	155	2.30
3/28/2018 9:00	64.80	6101	116	1.90
3/28/2018 10:00	64.10	6309	150	2.40
3/28/2018 11:00	64.30	6812	159	2.30
3/28/2018 12:00	63.60	7216	214	3.00
3/28/2018 13:00	63.40	7465	226	3.00
3/28/2018 14:00	63.00	8505	257	3.00
3/28/2018 15:00	62.30	8940	265	3.00
3/28/2018 16:00	59.50	9146	415	4.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/28/2018 17:00	63.40	9296	291	3.10
3/28/2018 18:00	63.00	8983	279	3.10
3/28/2018 19:00	67.00	6164	152	2.50
3/28/2018 20:00	68.00	4927	102	2.10
3/28/2018 21:00	68.50	4086	75	1.80
3/28/2018 22:00	68.10	3005	35	1.20
3/28/2018 23:00	68.60	2022	19	0.90
3/29/2018 0:00	68.80	1384	13	0.90
3/29/2018 1:00	69.30	899	4	0.40
3/29/2018 2:00	69.50	938	6	0.60
3/29/2018 3:00	69.20	910	6	0.70
3/29/2018 4:00	68.40	1071	6	0.60
3/29/2018 5:00	67.80	2228	19	0.90
3/29/2018 6:00	66.20	3948	52	1.30
3/29/2018 7:00	65.70	5746	149	2.60
3/29/2018 8:00	64.80	6182	137	2.20
3/29/2018 9:00	64.10	6438	146	2.30
3/29/2018 10:00	64.30	6542	146	2.20
3/29/2018 11:00	62.70	7280	199	2.70
3/29/2018 12:00	63.40	7230	209	2.90
3/29/2018 13:00	63.10	7471	187	2.50
3/29/2018 14:00	61.10	8868	317	3.60
3/29/2018 15:00	62.80	9007	278	3.10
3/29/2018 16:00	63.30	9230	317	3.40
3/29/2018 17:00	62.70	9259	264	2.90
3/29/2018 18:00	64.60	7827	239	3.10
3/29/2018 19:00	68.10	6217	136	2.20
3/29/2018 20:00	67.50	5043	79	1.60
3/29/2018 21:00	68.10	4218	66	1.60
3/29/2018 22:00	68.90	3122	36	1.20
3/29/2018 23:00	68.40	2122	9	0.40
3/30/2018 0:00	69.00	1354	13	1.00
3/30/2018 1:00	68.50	1156	5	0.40
3/30/2018 2:00	68.90	939	2	0.20
3/30/2018 3:00	68.90	943	3	0.30
3/30/2018 4:00	67.90	1221	8	0.70
3/30/2018 5:00	66.90	2103	15	0.70
3/30/2018 6:00	63.90	3867	50	1.30
3/30/2018 7:00	64.40	5037	111	2.20
3/30/2018 8:00	62.80	5859	136	2.30
3/30/2018 9:00	62.20	6065	145	2.40
3/30/2018 10:00	62.70	6741	178	2.60
3/30/2018 11:00	60.70	7418	205	2.80
3/30/2018 12:00	62.10	7895	187	2.40
3/30/2018 13:00	60.90	8338	245	2.90
3/30/2018 14:00	61.40	9052	292	3.20
3/30/2018 15:00	61.50	9002	295	3.30
3/30/2018 16:00	61.90	8892	264	3.00
3/30/2018 17:00	64.70	7915	224	2.80
3/30/2018 18:00	65.20	7051	217	3.10
3/30/2018 19:00	65.70	5885	135	2.30
3/30/2018 20:00	66.30	5007	112	2.20



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/30/2018 21:00	68.30	4091	67	1.60
3/30/2018 22:00	67.70	3786	49	1.30
3/30/2018 23:00	68.40	2790	27	1.00
3/31/2018 0:00	69.10	1866	21	1.10
3/31/2018 1:00	69.70	1142	4	0.40
3/31/2018 2:00	68.60	1140	4	0.40
3/31/2018 3:00	69.60	958	7	0.70
3/31/2018 4:00	68.10	1107	6	0.50
3/31/2018 5:00	68.90	1185	2	0.20
3/31/2018 6:00	69.20	2130	31	1.50
3/31/2018 7:00	68.40	3265	64	2.00
3/31/2018 8:00	67.30	4724	85	1.80
3/31/2018 9:00	66.10	5341	151	2.80
3/31/2018 10:00	66.20	6185	148	2.40
3/31/2018 11:00	65.70	6935	189	2.70
3/31/2018 12:00	64.20	7259	202	2.80
3/31/2018 13:00	65.40	7379	209	2.80
3/31/2018 14:00	65.70	7030	172	2.40
3/31/2018 15:00	65.80	7084	191	2.70
3/31/2018 16:00	66.30	6683	152	2.30
3/31/2018 17:00	66.70	6268	157	2.50
3/31/2018 18:00	68.30	5740	151	2.60
3/31/2018 19:00	67.10	4830	114	2.40
3/31/2018 20:00	68.20	4367	103	2.40
3/31/2018 21:00	68.50	3831	56	1.50
3/31/2018 22:00	68.70	3248	40	1.20
3/31/2018 23:00	69.30	2349	20	0.90
4/01/2018 0:00	82.00	11028	0	0.00
4/01/2018 1:00	81.80	8304	0	0.00
4/01/2018 2:00	83.10	6816	0	0.00
4/01/2018 3:00	83.60	5529	0	0.00
4/01/2018 4:00	83.50	5459	3	0.10
4/01/2018 5:00	83.30	8191	2	0.00
4/01/2018 6:00	71.80	10584	2	0.00
4/01/2018 7:00	66.70	13852	0	0.00
4/01/2018 8:00	62.00	15723	0	0.00
4/01/2018 9:00	54.00	17058	0	0.00
4/01/2018 10:00	49.30	17688	2	0.00
4/01/2018 11:00	46.00	16956	0	0.00
4/01/2018 12:00	44.30	16391	1	0.00
4/01/2018 13:00	44.00	16842	14	0.10
4/01/2018 14:00	45.00	17271	0	0.00
4/01/2018 15:00	46.20	17286	0	0.00
4/01/2018 16:00	46.70	17212	0	0.00
4/01/2018 17:00	48.00	17334	0	0.00
4/01/2018 18:00	47.90	17394	0	0.00
4/01/2018 19:00	46.40	16672	0	0.00
4/01/2018 20:00	48.20	16321	0	0.00
4/01/2018 21:00	66.50	15665	0	0.00
4/01/2018 22:00	70.20	13316	0	0.00
4/01/2018 23:00	68.60	11583	0	0.00
4/02/2018 0:00	69.70	1154	6	0.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/02/2018 1:00	69.60	863	3	0.30
4/02/2018 2:00	69.20	817	8	1.00
4/02/2018 3:00	69.30	875	9	1.00
4/02/2018 4:00	68.60	1148	4	0.30
4/02/2018 5:00	69.20	2391	17	0.70
4/02/2018 6:00	68.10	4172	59	1.40
4/02/2018 7:00	66.00	6232	137	2.20
4/02/2018 8:00	64.50	6814	136	2.00
4/02/2018 9:00	64.60	6370	131	2.10
4/02/2018 10:00	65.30	6258	150	2.40
4/02/2018 11:00	64.60	6803	154	2.30
4/02/2018 12:00	65.20	6902	170	2.50
4/02/2018 13:00	64.40	7393	178	2.40
4/02/2018 14:00	63.50	8715	265	3.00
4/02/2018 15:00	63.20	9065	333	3.70
4/02/2018 16:00	62.00	9317	331	3.60
4/02/2018 17:00	64.40	9237	269	2.90
4/02/2018 18:00	66.30	7752	178	2.30
4/02/2018 19:00	68.40	5638	126	2.20
4/02/2018 20:00	67.40	4313	100	2.30
4/02/2018 21:00	68.40	3368	46	1.40
4/02/2018 22:00	67.90	2384	24	1.00
4/02/2018 23:00	67.50	1922	16	0.80
4/03/2018 0:00	69.10	991	17	1.70
4/03/2018 1:00	69.30	845	2	0.20
4/03/2018 2:00	68.90	904	8	0.90
4/03/2018 3:00	69.50	811	1	0.10
4/03/2018 4:00	68.30	1155	6	0.50
4/03/2018 5:00	68.50	2417	12	0.50
4/03/2018 6:00	66.30	4465	87	1.90
4/03/2018 7:00	66.20	6716	140	2.10
4/03/2018 8:00	64.60	7172	168	2.30
4/03/2018 9:00	64.80	6583	137	2.10
4/03/2018 10:00	65.20	6346	144	2.30
4/03/2018 11:00	64.50	6573	133	2.00
4/03/2018 12:00	64.30	7029	163	2.30
4/03/2018 13:00	63.60	7277	212	2.90
4/03/2018 14:00	62.80	8682	258	3.00
4/03/2018 15:00	55.60	8950	604	6.70
4/03/2018 16:00	51.30	8923	594	6.70
4/03/2018 17:00	57.10	9181	547	6.00
4/03/2018 18:00	62.80	8793	248	2.80
4/03/2018 19:00	67.00	6251	183	2.90
4/03/2018 20:00	67.00	4791	108	2.30
4/03/2018 21:00	69.30	3854	45	1.20
4/03/2018 22:00	68.60	2621	22	0.80
4/03/2018 23:00	67.60	2051	19	0.90
4/04/2018 0:00	69.20	1122	4	0.40
4/04/2018 1:00	69.00	956	7	0.70
4/04/2018 2:00	69.20	848	1	0.10
4/04/2018 3:00	69.00	886	5	0.60
4/04/2018 4:00	68.20	1068	8	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/04/2018 5:00	67.70	2363	19	0.80
4/04/2018 6:00	66.20	4440	90	2.00
4/04/2018 7:00	67.30	6229	135	2.20
4/04/2018 8:00	65.00	7156	177	2.50
4/04/2018 9:00	64.50	6589	147	2.20
4/04/2018 10:00	64.20	6581	151	2.30
4/04/2018 11:00	63.60	6843	185	2.70
4/04/2018 12:00	63.90	7101	201	2.80
4/04/2018 13:00	63.10	7518	216	2.90
4/04/2018 14:00	63.60	8521	218	2.60
4/04/2018 15:00	64.50	8685	233	2.70
4/04/2018 16:00	64.60	8519	236	2.80
4/04/2018 17:00	65.10	8975	265	3.00
4/04/2018 18:00	63.70	8846	265	3.00
4/04/2018 19:00	66.50	6454	173	2.70
4/04/2018 20:00	67.50	5043	146	2.90
4/04/2018 21:00	68.20	3879	57	1.50
4/04/2018 22:00	67.90	3056	40	1.30
4/04/2018 23:00	68.10	1940	15	0.80
4/05/2018 0:00	68.90	1301	9	0.70
4/05/2018 1:00	69.30	833	5	0.60
4/05/2018 2:00	69.00	916	6	0.70
4/05/2018 3:00	69.20	891	2	0.20
4/05/2018 4:00	68.40	1066	7	0.70
4/05/2018 5:00	67.40	2387	22	0.90
4/05/2018 6:00	66.40	4377	91	2.10
4/05/2018 7:00	65.80	6433	160	2.50
4/05/2018 8:00	64.60	6943	162	2.30
4/05/2018 9:00	63.50	6809	133	2.00
4/05/2018 10:00	63.40	6627	164	2.50
4/05/2018 11:00	64.30	7082	155	2.20
4/05/2018 12:00	64.10	7577	191	2.50
4/05/2018 13:00	62.40	7904	264	3.30
4/05/2018 14:00	62.10	8893	266	3.00
4/05/2018 15:00	52.90	8805	572	6.50
4/05/2018 16:00	50.60	9134	390	4.30
4/05/2018 17:00	54.30	9146	448	4.90
4/05/2018 18:00	63.20	8875	268	3.00
4/05/2018 19:00	67.60	6278	110	1.80
4/05/2018 20:00	67.40	5241	96	1.80
4/05/2018 21:00	67.70	4128	69	1.70
4/05/2018 22:00	68.60	3007	35	1.20
4/05/2018 23:00	68.60	1924	17	0.90
4/06/2018 0:00	68.60	1319	9	0.70
4/06/2018 1:00	68.00	792	3	0.40
4/06/2018 2:00	68.90	893	1	0.10
4/06/2018 3:00	69.00	881	3	0.30
4/06/2018 4:00	68.00	1109	1	0.10
4/06/2018 5:00	67.40	2448	19	0.80
4/06/2018 6:00	65.80	4297	68	1.60
4/06/2018 7:00	66.10	6258	167	2.70
4/06/2018 8:00	64.30	6771	159	2.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/06/2018 9:00	63.30	6791	149	2.20
4/06/2018 10:00	63.40	6630	169	2.50
4/06/2018 11:00	63.20	7431	181	2.40
4/06/2018 12:00	63.10	7856	190	2.40
4/06/2018 13:00	63.10	7852	237	3.00
4/06/2018 14:00	62.90	8915	282	3.20
4/06/2018 15:00	63.50	8879	277	3.10
4/06/2018 16:00	63.80	8699	220	2.50
4/06/2018 17:00	63.80	8772	258	2.90
4/06/2018 18:00	63.60	8344	268	3.20
4/06/2018 19:00	66.20	6522	192	2.90
4/06/2018 20:00	67.10	5291	108	2.00
4/06/2018 21:00	68.10	4314	70	1.60
4/06/2018 22:00	68.30	3394	40	1.20
4/06/2018 23:00	67.80	2578	18	0.70
4/07/2018 0:00	68.80	1716	8	0.50
4/07/2018 1:00	68.90	1415	6	0.40
4/07/2018 2:00	68.70	1111	5	0.50
4/07/2018 3:00	69.00	934	3	0.30
4/07/2018 4:00	68.50	974	7	0.70
4/07/2018 5:00	69.00	1157	5	0.40
4/07/2018 6:00	68.10	2075	10	0.50
4/07/2018 7:00	68.40	3636	42	1.20
4/07/2018 8:00	66.00	5130	89	1.70
4/07/2018 9:00	65.70	5913	141	2.40
4/07/2018 10:00	65.60	6653	153	2.30
4/07/2018 11:00	65.30	7429	189	2.50
4/07/2018 12:00	64.70	7503	209	2.80
4/07/2018 13:00	64.70	7568	214	2.80
4/07/2018 14:00	64.70	7857	242	3.10
4/07/2018 15:00	65.00	6925	201	2.90
4/07/2018 16:00	65.30	6873	200	2.90
4/07/2018 17:00	65.80	6822	161	2.40
4/07/2018 18:00	66.90	6242	189	3.00
4/07/2018 19:00	67.40	4940	107	2.20
4/07/2018 20:00	67.90	4246	85	2.00
4/07/2018 21:00	68.60	3978	89	2.20
4/07/2018 22:00	68.30	3502	62	1.80
4/07/2018 23:00	67.70	2699	27	1.00
4/08/2018 0:00	69.50	7987	0	0.00
4/08/2018 1:00	71.90	6111	1	0.00
4/08/2018 2:00	71.70	5248	0	0.00
4/08/2018 3:00	69.20	4241	0	0.00
4/08/2018 4:00	66.90	4191	2	0.00
4/08/2018 5:00	69.60	6103	1	0.00
4/08/2018 6:00	66.50	8201	1	0.00
4/08/2018 7:00	64.30	10555	0	0.00
4/08/2018 8:00	59.70	12095	5	0.00
4/08/2018 9:00	51.90	12926	0	0.00
4/08/2018 10:00	48.70	13427	0	0.00
4/08/2018 11:00	47.60	13580	0	0.00
4/08/2018 12:00	46.20	13527	1	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/08/2018 13:00	45.40	12904	1	0.00
4/08/2018 14:00	45.80	12704	0	0.00
4/08/2018 15:00	46.40	12568	0	0.00
4/08/2018 16:00	46.40	12929	0	0.00
4/08/2018 17:00	47.90	13167	0	0.00
4/08/2018 18:00	49.30	12853	0	0.00
4/08/2018 19:00	50.60	12542	0	0.00
4/08/2018 20:00	51.60	12078	0	0.00
4/08/2018 21:00	67.70	11221	0	0.00
4/08/2018 22:00	68.90	9798	0	0.00
4/08/2018 23:00	67.40	8018	0	0.00
4/09/2018 0:00	68.60	971	6	0.60
4/09/2018 1:00	69.70	693	0	0.00
4/09/2018 2:00	69.30	812	2	0.20
4/09/2018 3:00	69.00	862	8	0.90
4/09/2018 4:00	68.20	1131	12	1.10
4/09/2018 5:00	69.10	2313	14	0.60
4/09/2018 6:00	67.90	4129	84	2.00
4/09/2018 7:00	65.70	6538	205	3.10
4/09/2018 8:00	64.80	6847	153	2.20
4/09/2018 9:00	64.60	6274	135	2.20
4/09/2018 10:00	63.90	6108	156	2.60
4/09/2018 11:00	62.80	6622	172	2.60
4/09/2018 12:00	63.70	6811	192	2.80
4/09/2018 13:00	63.40	7171	207	2.90
4/09/2018 14:00	63.30	8654	274	3.20
4/09/2018 15:00	53.70	8608	535	6.20
4/09/2018 16:00	55.40	8908	458	5.10
4/09/2018 17:00	60.00	8759	335	3.80
4/09/2018 18:00	65.50	7530	158	2.10
4/09/2018 19:00	67.90	5640	139	2.50
4/09/2018 20:00	67.40	4569	109	2.40
4/09/2018 21:00	68.70	3544	44	1.20
4/09/2018 22:00	68.90	2494	28	1.10
4/09/2018 23:00	67.90	1688	17	1.00
4/10/2018 0:00	70.20	835	15	1.80
4/10/2018 1:00	70.30	517	4	0.80
4/10/2018 2:00	69.60	493	6	1.20
4/10/2018 3:00	69.90	516	4	0.80
4/10/2018 4:00	70.60	1088	25	2.30
4/10/2018 5:00	71.60	3466	71	2.00
4/10/2018 6:00	66.90	6574	175	2.70
4/10/2018 7:00	65.70	7900	139	1.80
4/10/2018 8:00	64.40	7189	168	2.30
4/10/2018 9:00	63.90	6546	170	2.60
4/10/2018 10:00	64.60	6413	148	2.30
4/10/2018 11:00	64.80	6754	135	2.00
4/10/2018 12:00	64.50	7079	201	2.80
4/10/2018 13:00	63.40	7581	230	3.00
4/10/2018 14:00	62.40	8778	290	3.30
4/10/2018 15:00	45.10	8499	889	10.50
4/10/2018 16:00	39.50	8250	1111	13.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/10/2018 17:00	36.60	7997	945	11.80
4/10/2018 18:00	36.50	7721	883	11.40
4/10/2018 19:00	66.60	6041	173	2.90
4/10/2018 20:00	67.80	4925	77	1.60
4/10/2018 21:00	67.80	3926	77	2.00
4/10/2018 22:00	67.30	2812	38	1.40
4/10/2018 23:00	68.60	1924	26	1.40
4/11/2018 0:00	68.80	1128	8	0.70
4/11/2018 1:00	69.20	917	5	0.50
4/11/2018 2:00	69.20	843	2	0.20
4/11/2018 3:00	69.60	876	1	0.10
4/11/2018 4:00	68.40	1007	2	0.20
4/11/2018 5:00	67.50	2330	21	0.90
4/11/2018 6:00	67.80	4568	93	2.00
4/11/2018 7:00	66.10	6635	154	2.30
4/11/2018 8:00	64.10	7018	183	2.60
4/11/2018 9:00	64.70	6385	150	2.30
4/11/2018 10:00	64.20	6348	132	2.10
4/11/2018 11:00	63.70	6885	200	2.90
4/11/2018 12:00	64.00	7158	180	2.50
4/11/2018 13:00	64.50	7365	198	2.70
4/11/2018 14:00	63.20	8898	286	3.20
4/11/2018 15:00	60.70	8823	429	4.90
4/11/2018 16:00	42.20	8233	889	10.80
4/11/2018 17:00	35.70	8157	926	11.40
4/11/2018 18:00	61.80	8689	248	2.90
4/11/2018 19:00	66.70	6512	175	2.70
4/11/2018 20:00	66.70	4976	107	2.20
4/11/2018 21:00	68.40	4122	66	1.60
4/11/2018 22:00	67.50	2958	48	1.60
4/11/2018 23:00	68.00	1958	20	1.00
4/12/2018 0:00	68.60	1474	11	0.70
4/12/2018 1:00	68.60	1015	6	0.60
4/12/2018 2:00	69.00	883	13	1.50
4/12/2018 3:00	68.90	898	2	0.20
4/12/2018 4:00	67.40	1172	15	1.30
4/12/2018 5:00	67.80	2491	19	0.80
4/12/2018 6:00	67.60	4558	70	1.50
4/12/2018 7:00	66.50	7061	172	2.40
4/12/2018 8:00	63.80	6963	165	2.40
4/12/2018 9:00	63.70	6476	138	2.10
4/12/2018 10:00	63.80	6398	169	2.60
4/12/2018 11:00	64.00	6698	171	2.60
4/12/2018 12:00	63.70	7455	216	2.90
4/12/2018 13:00	63.60	7523	206	2.70
4/12/2018 14:00	62.40	8626	229	2.70
4/12/2018 15:00	61.70	8941	284	3.20
4/12/2018 16:00	53.00	8840	457	5.20
4/12/2018 17:00	53.60	9256	186	2.00
4/12/2018 18:00	61.40	9100	340	3.70
4/12/2018 19:00	68.00	6364	145	2.30
4/12/2018 20:00	67.60	5020	101	2.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/12/2018 21:00	68.40	4035	56	1.40
4/12/2018 22:00	69.10	2942	37	1.30
4/12/2018 23:00	68.70	1963	15	0.80
4/13/2018 0:00	68.60	1398	15	1.10
4/13/2018 1:00	68.90	1065	4	0.40
4/13/2018 2:00	69.30	904	5	0.60
4/13/2018 3:00	68.90	855	2	0.20
4/13/2018 4:00	68.60	1084	4	0.40
4/13/2018 5:00	68.90	2399	25	1.00
4/13/2018 6:00	66.40	4482	73	1.60
4/13/2018 7:00	66.60	6547	137	2.10
4/13/2018 8:00	65.30	6610	135	2.00
4/13/2018 9:00	65.90	6430	132	2.10
4/13/2018 10:00	64.20	6603	173	2.60
4/13/2018 11:00	63.80	7170	162	2.30
4/13/2018 12:00	63.80	7908	200	2.50
4/13/2018 13:00	63.50	8084	230	2.80
4/13/2018 14:00	62.80	8806	260	3.00
4/13/2018 15:00	63.50	8845	266	3.00
4/13/2018 16:00	60.00	9069	399	4.40
4/13/2018 17:00	51.30	9379	166	1.80
4/13/2018 18:00	61.10	9284	276	3.00
4/13/2018 19:00	66.00	6848	177	2.60
4/13/2018 20:00	67.80	5253	124	2.40
4/13/2018 21:00	68.50	4407	72	1.60
4/13/2018 22:00	68.50	3539	46	1.30
4/13/2018 23:00	68.50	2722	24	0.90
4/14/2018 0:00	68.80	1746	15	0.90
4/14/2018 1:00	69.10	1052	5	0.50
4/14/2018 2:00	69.40	741	1	0.10
4/14/2018 3:00	69.20	869	3	0.30
4/14/2018 4:00	68.70	922	3	0.30
4/14/2018 5:00	68.50	1233	5	0.40
4/14/2018 6:00	67.90	2211	15	0.70
4/14/2018 7:00	68.80	3760	57	1.50
4/14/2018 8:00	67.00	5121	84	1.60
4/14/2018 9:00	66.70	5878	136	2.30
4/14/2018 10:00	65.40	6725	196	2.90
4/14/2018 11:00	65.30	6872	215	3.10
4/14/2018 12:00	65.30	7235	209	2.90
4/14/2018 13:00	64.80	7229	207	2.90
4/14/2018 14:00	65.10	7639	174	2.30
4/14/2018 15:00	66.00	6827	169	2.50
4/14/2018 16:00	65.20	6970	158	2.30
4/14/2018 17:00	67.00	6539	183	2.80
4/14/2018 18:00	67.50	5937	143	2.40
4/14/2018 19:00	67.10	5107	121	2.40
4/14/2018 20:00	68.40	4453	104	2.30
4/14/2018 21:00	68.70	3892	70	1.80
4/14/2018 22:00	68.70	3419	42	1.20
4/14/2018 23:00	68.70	2487	26	1.00
4/15/2018 0:00	68.90	1602	13	0.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/15/2018 1:00	69.50	953	2	0.20
4/15/2018 2:00	69.40	911	2	0.20
4/15/2018 3:00	69.30	865	4	0.50
4/15/2018 4:00	69.00	882	9	1.00
4/15/2018 5:00	68.90	976	5	0.50
4/15/2018 6:00	68.90	1442	7	0.50
4/15/2018 7:00	68.00	2186	21	1.00
4/15/2018 8:00	67.20	3490	54	1.50
4/15/2018 9:00	66.00	4585	109	2.40
4/15/2018 10:00	66.20	5587	139	2.50
4/15/2018 11:00	64.80	5984	147	2.50
4/15/2018 12:00	64.10	6276	175	2.80
4/15/2018 13:00	64.10	6110	192	3.10
4/15/2018 14:00	64.60	6099	167	2.70
4/15/2018 15:00	65.70	5879	151	2.60
4/15/2018 16:00	65.20	5722	113	2.00
4/15/2018 17:00	66.20	5678	132	2.30
4/15/2018 18:00	66.90	5127	128	2.50
4/15/2018 19:00	67.80	4562	86	1.90
4/15/2018 20:00	66.90	3997	65	1.60
4/15/2018 21:00	68.10	3077	45	1.50
4/15/2018 22:00	68.80	2523	33	1.30
4/15/2018 23:00	69.00	1652	7	0.40
4/16/2018 0:00	71.00	5159	0	0.00
4/16/2018 1:00	79.10	4330	1	0.00
4/16/2018 2:00	71.40	3866	1	0.00
4/16/2018 3:00	69.30	4790	1	0.00
4/16/2018 4:00	66.70	8211	0	0.00
4/16/2018 5:00	57.30	10998	0	0.00
4/16/2018 6:00	68.20	4473	78	1.70
4/16/2018 7:00	66.70	6559	165	2.50
4/16/2018 8:00	65.00	6976	159	2.30
4/16/2018 9:00	64.10	9946	71	0.70
4/16/2018 10:00	64.70	12562	23	0.20
4/16/2018 11:00	65.50	13827	1	0.00
4/16/2018 12:00	64.00	11471	80	0.70
4/16/2018 13:00	64.30	10101	95	0.90
4/16/2018 14:00	63.40	8875	262	3.00
4/16/2018 15:00	62.10	8946	289	3.20
4/16/2018 16:00	62.50	9190	277	3.00
4/16/2018 17:00	59.00	9651	272	2.80
4/16/2018 18:00	66.20	11536	142	1.20
4/16/2018 19:00	72.50	13269	0	0.00
4/16/2018 20:00	77.70	12677	2	0.00
4/16/2018 21:00	77.10	11851	0	0.00
4/16/2018 22:00	80.00	10253	0	0.00
4/16/2018 23:00	78.10	8096	1	0.00
4/17/2018 0:00	69.10	1355	14	1.00
4/17/2018 1:00	69.10	858	8	0.90
4/17/2018 2:00	69.20	872	5	0.60
4/17/2018 3:00	69.10	884	3	0.30
4/17/2018 4:00	68.70	1077	5	0.50



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/17/2018 5:00	68.40	2449	15	0.60
4/17/2018 6:00	67.70	4672	89	1.90
4/17/2018 7:00	66.50	6649	150	2.30
4/17/2018 8:00	65.50	6684	140	2.10
4/17/2018 9:00	64.20	6546	164	2.50
4/17/2018 10:00	64.60	6293	136	2.20
4/17/2018 11:00	64.00	6698	149	2.20
4/17/2018 12:00	63.90	7261	201	2.80
4/17/2018 13:00	64.60	7242	176	2.40
4/17/2018 14:00	63.10	8722	270	3.10
4/17/2018 15:00	59.60	8904	375	4.20
4/17/2018 16:00	58.00	8791	450	5.10
4/17/2018 17:00	61.10	9389	268	2.90
4/17/2018 18:00	63.30	9181	266	2.90
4/17/2018 19:00	67.80	6181	147	2.40
4/17/2018 20:00	67.40	4905	116	2.40
4/17/2018 21:00	68.30	3795	61	1.60
4/17/2018 22:00	68.90	2627	31	1.20
4/17/2018 23:00	68.40	1932	25	1.30
4/18/2018 0:00	69.60	1144	7	0.60
4/18/2018 1:00	68.60	1073	12	1.10
4/18/2018 2:00	68.90	912	4	0.40
4/18/2018 3:00	68.90	878	3	0.30
4/18/2018 4:00	68.80	1027	7	0.70
4/18/2018 5:00	68.70	2432	16	0.70
4/18/2018 6:00	66.30	4486	84	1.90
4/18/2018 7:00	66.80	6372	133	2.10
4/18/2018 8:00	64.60	7115	186	2.60
4/18/2018 9:00	64.20	6672	135	2.00
4/18/2018 10:00	64.60	6292	125	2.00
4/18/2018 11:00	63.80	6926	187	2.70
4/18/2018 12:00	64.50	7077	142	2.00
4/18/2018 13:00	64.00	7388	185	2.50
4/18/2018 14:00	63.50	8798	246	2.80
4/18/2018 15:00	44.20	7942	682	8.60
4/18/2018 16:00	43.60	8398	780	9.30
4/18/2018 17:00	41.70	8933	696	7.80
4/18/2018 18:00	61.80	9184	269	2.90
4/18/2018 19:00	65.20	6516	184	2.80
4/18/2018 20:00	66.90	5042	112	2.20
4/18/2018 21:00	67.50	4201	78	1.90
4/18/2018 22:00	68.40	2805	34	1.20
4/18/2018 23:00	67.40	2020	14	0.70
4/19/2018 0:00	69.40	1184	11	0.90
4/19/2018 1:00	69.20	964	7	0.70
4/19/2018 2:00	69.00	900	4	0.40
4/19/2018 3:00	68.70	882	9	1.00
4/19/2018 4:00	68.40	1135	5	0.40
4/19/2018 5:00	69.80	2459	19	0.80
4/19/2018 6:00	67.90	4542	90	2.00
4/19/2018 7:00	67.10	6822	164	2.40
4/19/2018 8:00	64.00	6984	189	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/19/2018 9:00	62.90	6630	152	2.30
4/19/2018 10:00	61.30	6417	143	2.20
4/19/2018 11:00	63.20	6741	163	2.40
4/19/2018 12:00	63.80	7024	155	2.20
4/19/2018 13:00	63.90	7509	176	2.30
4/19/2018 14:00	61.00	8887	232	2.60
4/19/2018 15:00	58.20	9051	412	4.60
4/19/2018 16:00	55.00	9225	234	2.50
4/19/2018 17:00	44.70	8740	236	2.70
4/19/2018 18:00	62.00	8547	236	2.80
4/19/2018 19:00	67.70	6078	125	2.10
4/19/2018 20:00	66.70	4988	106	2.10
4/19/2018 21:00	68.80	3995	70	1.80
4/19/2018 22:00	68.10	2870	33	1.10
4/19/2018 23:00	67.90	2070	26	1.30
4/20/2018 0:00	69.70	1098	6	0.50
4/20/2018 1:00	69.30	873	6	0.70
4/20/2018 2:00	69.10	986	7	0.70
4/20/2018 3:00	68.70	941	5	0.50
4/20/2018 4:00	68.30	1103	5	0.50
4/20/2018 5:00	68.50	2386	14	0.60
4/20/2018 6:00	66.80	4588	103	2.20
4/20/2018 7:00	66.60	6543	172	2.60
4/20/2018 8:00	63.70	6825	148	2.20
4/20/2018 9:00	64.80	6572	165	2.50
4/20/2018 10:00	64.90	6825	145	2.10
4/20/2018 11:00	63.10	7486	158	2.10
4/20/2018 12:00	63.50	7799	205	2.60
4/20/2018 13:00	62.50	8364	241	2.90
4/20/2018 14:00	62.50	9087	303	3.30
4/20/2018 15:00	44.80	8007	675	8.40
4/20/2018 16:00	62.50	9082	261	2.90
4/20/2018 17:00	55.90	9158	614	6.70
4/20/2018 18:00	50.10	7959	397	5.00
4/20/2018 19:00	68.00	6394	162	2.50
4/20/2018 20:00	66.80	5127	110	2.10
4/20/2018 21:00	67.90	4257	58	1.40
4/20/2018 22:00	68.30	3355	38	1.10
4/20/2018 23:00	69.10	2679	26	1.00
4/21/2018 0:00	68.30	1778	11	0.60
4/21/2018 1:00	68.50	1336	6	0.40
4/21/2018 2:00	68.80	1093	5	0.50
4/21/2018 3:00	69.20	939	4	0.40
4/21/2018 4:00	68.30	986	6	0.60
4/21/2018 5:00	68.70	1200	12	1.00
4/21/2018 6:00	69.30	2379	32	1.30
4/21/2018 7:00	68.10	3711	36	1.00
4/21/2018 8:00	66.90	5226	103	2.00
4/21/2018 9:00	65.70	6104	168	2.80
4/21/2018 10:00	65.60	6645	159	2.40
4/21/2018 11:00	65.00	7203	200	2.80
4/21/2018 12:00	64.90	7415	194	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/21/2018 13:00	65.10	7219	178	2.50
4/21/2018 14:00	66.00	7012	168	2.40
4/21/2018 15:00	66.40	6815	155	2.30
4/21/2018 16:00	66.60	6814	175	2.60
4/21/2018 17:00	67.90	6611	144	2.20
4/21/2018 18:00	67.30	5908	145	2.50
4/21/2018 19:00	67.60	4870	131	2.70
4/21/2018 20:00	67.70	4317	89	2.10
4/21/2018 21:00	68.60	3780	46	1.20
4/21/2018 22:00	68.40	3261	43	1.30
4/21/2018 23:00	68.10	2435	35	1.40
4/22/2018 0:00	71.30	11431	0	0.00
4/22/2018 1:00	75.00	8329	0	0.00
4/22/2018 2:00	74.10	7117	0	0.00
4/22/2018 3:00	72.30	5574	1	0.00
4/22/2018 4:00	69.00	6126	2	0.00
4/22/2018 5:00	71.10	8515	1	0.00
4/22/2018 6:00	67.20	12429	0	0.00
4/22/2018 7:00	62.60	14749	1	0.00
4/22/2018 8:00	56.30	16750	0	0.00
4/22/2018 9:00	50.10	17045	0	0.00
4/22/2018 10:00	46.20	17332	0	0.00
4/22/2018 11:00	44.60	16940	0	0.00
4/22/2018 12:00	43.20	16714	0	0.00
4/22/2018 13:00	42.90	16370	5	0.00
4/22/2018 14:00	43.50	16675	0	0.00
4/22/2018 15:00	43.90	16705	0	0.00
4/22/2018 16:00	45.00	16845	0	0.00
4/22/2018 17:00	46.10	17205	0	0.00
4/22/2018 18:00	47.30	17203	0	0.00
4/22/2018 19:00	49.50	17061	0	0.00
4/22/2018 20:00	52.30	16577	0	0.00
4/22/2018 21:00	73.60	15866	0	0.00
4/22/2018 22:00	76.90	14304	0	0.00
4/22/2018 23:00	80.30	11551	1	0.00
4/23/2018 0:00	69.00	1063	7	0.70
4/23/2018 1:00	69.30	968	6	0.60
4/23/2018 2:00	69.20	856	9	1.10
4/23/2018 3:00	69.20	877	3	0.30
4/23/2018 4:00	68.50	1075	6	0.60
4/23/2018 5:00	68.60	2531	27	1.10
4/23/2018 6:00	66.60	4274	64	1.50
4/23/2018 7:00	66.00	6519	185	2.80
4/23/2018 8:00	64.40	6595	138	2.10
4/23/2018 9:00	64.00	6591	143	2.20
4/23/2018 10:00	64.30	6298	141	2.20
4/23/2018 11:00	55.90	6420	338	5.30
4/23/2018 12:00	63.70	6718	151	2.20
4/23/2018 13:00	64.30	7255	177	2.40
4/23/2018 14:00	62.30	8926	255	2.90
4/23/2018 15:00	62.60	9109	327	3.60
4/23/2018 16:00	62.80	9277	282	3.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/23/2018 17:00	62.50	9216	291	3.20
4/23/2018 18:00	64.90	7750	197	2.50
4/23/2018 19:00	68.50	5597	123	2.20
4/23/2018 20:00	67.20	4325	76	1.80
4/23/2018 21:00	68.50	3549	50	1.40
4/23/2018 22:00	68.40	2514	35	1.40
4/23/2018 23:00	68.90	1759	12	0.70
4/24/2018 0:00	69.70	959	3	0.30
4/24/2018 1:00	69.30	979	9	0.90
4/24/2018 2:00	69.20	865	7	0.80
4/24/2018 3:00	69.00	871	3	0.30
4/24/2018 4:00	68.00	1119	6	0.50
4/24/2018 5:00	68.30	2548	21	0.80
4/24/2018 6:00	67.50	4458	101	2.30
4/24/2018 7:00	67.00	6742	148	2.20
4/24/2018 8:00	66.20	6738	128	1.90
4/24/2018 9:00	64.80	6675	138	2.10
4/24/2018 10:00	64.60	6372	154	2.40
4/24/2018 11:00	63.70	6833	185	2.70
4/24/2018 12:00	64.10	6915	162	2.30
4/24/2018 13:00	63.60	7362	186	2.50
4/24/2018 14:00	64.70	7837	205	2.60
4/24/2018 15:00	63.60	8367	272	3.30
4/24/2018 16:00	62.70	8989	285	3.20
4/24/2018 17:00	62.60	9450	332	3.50
4/24/2018 18:00	63.00	8773	247	2.80
4/24/2018 19:00	67.70	6029	153	2.50
4/24/2018 20:00	67.10	4894	107	2.20
4/24/2018 21:00	68.20	3780	52	1.40
4/24/2018 22:00	68.00	2598	40	1.50
4/24/2018 23:00	68.70	1755	18	1.00
4/25/2018 0:00	69.40	1020	7	0.70
4/25/2018 1:00	68.90	985	6	0.60
4/25/2018 2:00	69.00	870	2	0.20
4/25/2018 3:00	69.30	860	8	0.90
4/25/2018 4:00	68.50	975	1	0.10
4/25/2018 5:00	68.60	2433	21	0.90
4/25/2018 6:00	67.00	4730	123	2.60
4/25/2018 7:00	67.30	6574	165	2.50
4/25/2018 8:00	64.90	7057	171	2.40
4/25/2018 9:00	63.20	6460	148	2.30
4/25/2018 10:00	64.30	6389	145	2.30
4/25/2018 11:00	63.70	6819	170	2.50
4/25/2018 12:00	62.90	7131	207	2.90
4/25/2018 13:00	62.20	7517	213	2.80
4/25/2018 14:00	61.60	9068	272	3.00
4/25/2018 15:00	56.90	8644	518	6.00
4/25/2018 16:00	59.80	8980	318	3.50
4/25/2018 17:00	45.30	8895	693	7.80
4/25/2018 18:00	62.90	8663	243	2.80
4/25/2018 19:00	67.10	6091	161	2.60
4/25/2018 20:00	66.90	4974	104	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/25/2018 21:00	68.20	3999	59	1.50
4/25/2018 22:00	68.60	2764	22	0.80
4/25/2018 23:00	68.50	1920	16	0.80
4/26/2018 0:00	69.00	1180	7	0.60
4/26/2018 1:00	69.80	794	1	0.10
4/26/2018 2:00	68.90	963	5	0.50
4/26/2018 3:00	69.30	834	5	0.60
4/26/2018 4:00	68.30	1031	5	0.50
4/26/2018 5:00	68.30	2533	27	1.10
4/26/2018 6:00	66.20	4622	81	1.80
4/26/2018 7:00	66.00	6865	147	2.10
4/26/2018 8:00	64.70	7157	179	2.50
4/26/2018 9:00	65.00	6499	170	2.60
4/26/2018 10:00	64.20	6285	174	2.80
4/26/2018 11:00	63.10	6729	149	2.20
4/26/2018 12:00	63.90	7606	218	2.90
4/26/2018 13:00	62.90	7851	216	2.80
4/26/2018 14:00	62.30	8864	244	2.80
4/26/2018 15:00	43.30	8337	650	7.80
4/26/2018 16:00	39.10	8862	427	4.80
4/26/2018 17:00	39.70	8948	798	8.90
4/26/2018 18:00	61.20	9279	290	3.10
4/26/2018 19:00	66.70	6815	185	2.70
4/26/2018 20:00	67.60	4836	87	1.80
4/26/2018 21:00	67.40	4140	60	1.40
4/26/2018 22:00	68.60	2844	25	0.90
4/26/2018 23:00	68.30	1938	14	0.70
4/27/2018 0:00	68.90	1270	8	0.60
4/27/2018 1:00	68.40	1101	6	0.50
4/27/2018 2:00	69.10	946	5	0.50
4/27/2018 3:00	69.30	824	1	0.10
4/27/2018 4:00	68.30	1044	8	0.80
4/27/2018 5:00	68.40	2297	22	1.00
4/27/2018 6:00	67.20	4437	75	1.70
4/27/2018 7:00	66.50	6611	180	2.70
4/27/2018 8:00	65.00	7060	185	2.60
4/27/2018 9:00	64.70	6434	132	2.10
4/27/2018 10:00	63.60	6710	146	2.20
4/27/2018 11:00	63.80	7601	169	2.20
4/27/2018 12:00	63.70	8098	235	2.90
4/27/2018 13:00	63.00	8045	246	3.10
4/27/2018 14:00	61.00	9250	313	3.40
4/27/2018 15:00	63.20	8806	282	3.20
4/27/2018 16:00	62.90	9008	244	2.70
4/27/2018 17:00	62.70	9493	302	3.20
4/27/2018 18:00	63.60	8521	251	2.90
4/27/2018 19:00	68.00	6417	155	2.40
4/27/2018 20:00	66.70	5096	107	2.10
4/27/2018 21:00	67.80	4302	64	1.50
4/27/2018 22:00	68.50	3534	54	1.50
4/27/2018 23:00	69.00	2785	19	0.70
4/28/2018 0:00	68.80	1741	11	0.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/28/2018 1:00	68.80	1323	6	0.50
4/28/2018 2:00	68.70	1097	7	0.60
4/28/2018 3:00	69.20	937	4	0.40
4/28/2018 4:00	68.60	913	6	0.70
4/28/2018 5:00	68.30	1222	8	0.70
4/28/2018 6:00	68.10	2463	15	0.60
4/28/2018 7:00	67.70	3694	35	0.90
4/28/2018 8:00	65.40	5087	111	2.20
4/28/2018 9:00	65.30	6050	139	2.30
4/28/2018 10:00	65.90	6427	163	2.50
4/28/2018 11:00	64.90	7179	197	2.70
4/28/2018 12:00	62.40	7359	253	3.40
4/28/2018 13:00	64.60	7627	224	2.90
4/28/2018 14:00	65.40	6942	148	2.10
4/28/2018 15:00	65.30	6900	190	2.80
4/28/2018 16:00	65.30	6918	199	2.90
4/28/2018 17:00	59.10	6941	170	2.40
4/28/2018 18:00	66.90	6093	121	2.00
4/28/2018 19:00	67.60	5096	78	1.50
4/28/2018 20:00	67.20	4271	94	2.20
4/28/2018 21:00	68.10	4019	69	1.70
4/28/2018 22:00	68.10	3452	56	1.60
4/28/2018 23:00	68.20	2619	48	1.80
4/29/2018 0:00	70.60	5088	12	0.20
4/29/2018 1:00	73.10	3620	4	0.10
4/29/2018 2:00	75.10	3006	0	0.00
4/29/2018 3:00	74.40	2647	5	0.20
4/29/2018 4:00	74.80	2618	4	0.20
4/29/2018 5:00	73.80	3551	5	0.10
4/29/2018 6:00	71.70	5167	7	0.10
4/29/2018 7:00	66.60	6513	24	0.40
4/29/2018 8:00	62.80	7639	64	0.80
4/29/2018 9:00	58.40	8780	84	1.00
4/29/2018 10:00	56.00	9624	131	1.40
4/29/2018 11:00	55.10	9830	171	1.70
4/29/2018 12:00	55.30	9671	139	1.40
4/29/2018 13:00	54.50	9936	154	1.50
4/29/2018 14:00	54.30	9778	159	1.60
4/29/2018 15:00	54.70	9642	125	1.30
4/29/2018 16:00	54.80	9603	123	1.30
4/29/2018 17:00	55.30	9366	116	1.20
4/29/2018 18:00	56.40	9229	124	1.30
4/29/2018 19:00	58.50	8694	78	0.90
4/29/2018 20:00	59.80	8295	62	0.70
4/29/2018 21:00	76.10	7615	41	0.50
4/29/2018 22:00	76.70	6408	18	0.30
4/29/2018 23:00	75.90	5008	6	0.10
4/30/2018 0:00	69.10	1176	7	0.60
4/30/2018 1:00	70.00	647	0	0.00
4/30/2018 2:00	69.20	856	7	0.80
4/30/2018 3:00	69.30	874	1	0.10
4/30/2018 4:00	67.80	1130	11	1.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/30/2018 5:00	68.50	2455	14	0.60
4/30/2018 6:00	65.00	4394	60	1.40
4/30/2018 7:00	65.30	6319	176	2.80
4/30/2018 8:00	62.40	7055	169	2.40
4/30/2018 9:00	62.40	6217	127	2.00
4/30/2018 10:00	63.70	6113	129	2.10
4/30/2018 11:00	63.80	6420	165	2.60
4/30/2018 12:00	63.10	6797	189	2.80
4/30/2018 13:00	62.80	7349	210	2.90
4/30/2018 14:00	62.30	8885	246	2.80
4/30/2018 15:00	62.30	9166	255	2.80
4/30/2018 16:00	44.40	9042	335	3.70
4/30/2018 17:00	52.40	9598	253	2.60
4/30/2018 18:00	61.70	8339	256	3.10
4/30/2018 19:00	66.00	5355	114	2.10
4/30/2018 20:00	63.60	4011	76	1.90
4/30/2018 21:00	66.00	3077	56	1.80
4/30/2018 22:00	68.10	2196	36	1.60
4/30/2018 23:00	68.80	1644	12	0.70
5/01/2018 0:00	69.30	1183	3	0.30
5/01/2018 1:00	68.90	984	7	0.70
5/01/2018 2:00	69.20	829	3	0.40
5/01/2018 3:00	69.30	847	1	0.10
5/01/2018 4:00	69.00	1085	2	0.20
5/01/2018 5:00	69.50	2502	23	0.90
5/01/2018 6:00	67.00	4662	76	1.60
5/01/2018 7:00	66.70	6861	151	2.20
5/01/2018 8:00	65.10	6835	135	2.00
5/01/2018 9:00	63.60	6525	146	2.20
5/01/2018 10:00	64.70	6231	119	1.90
5/01/2018 11:00	62.90	6683	151	2.30
5/01/2018 12:00	64.00	7537	182	2.40
5/01/2018 13:00	63.80	7466	166	2.20
5/01/2018 14:00	63.10	8818	253	2.90
5/01/2018 15:00	63.20	9224	256	2.80
5/01/2018 16:00	60.40	9105	358	3.90
5/01/2018 17:00	57.70	9212	431	4.70
5/01/2018 18:00	64.30	8025	201	2.50
5/01/2018 19:00	67.60	5783	129	2.20
5/01/2018 20:00	67.10	4458	70	1.60
5/01/2018 21:00	67.80	3621	55	1.50
5/01/2018 22:00	67.60	2555	17	0.70
5/01/2018 23:00	68.50	1634	13	0.80
5/02/2018 0:00	69.30	1034	2	0.20
5/02/2018 1:00	69.50	896	3	0.30
5/02/2018 2:00	69.20	830	1	0.10
5/02/2018 3:00	69.20	856	6	0.70
5/02/2018 4:00	68.10	1023	6	0.60
5/02/2018 5:00	68.30	2331	16	0.70
5/02/2018 6:00	65.70	4535	99	2.20
5/02/2018 7:00	66.00	6417	123	1.90
5/02/2018 8:00	64.10	6766	191	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/02/2018 9:00	60.50	6360	125	2.00
5/02/2018 10:00	62.90	6379	155	2.40
5/02/2018 11:00	64.20	6891	178	2.60
5/02/2018 12:00	63.90	6977	157	2.30
5/02/2018 13:00	63.60	7364	188	2.60
5/02/2018 14:00	62.40	8885	270	3.00
5/02/2018 15:00	63.50	9025	237	2.60
5/02/2018 16:00	59.70	9615	441	4.60
5/02/2018 17:00	54.40	9879	611	6.20
5/02/2018 18:00	64.40	8187	229	2.80
5/02/2018 19:00	68.20	5720	110	1.90
5/02/2018 20:00	67.10	4661	115	2.50
5/02/2018 21:00	68.60	3855	57	1.50
5/02/2018 22:00	68.50	2646	27	1.00
5/02/2018 23:00	69.20	1850	16	0.90
5/03/2018 0:00	69.50	1159	6	0.50
5/03/2018 1:00	69.30	1065	12	1.10
5/03/2018 2:00	69.30	906	3	0.30
5/03/2018 3:00	69.40	814	3	0.40
5/03/2018 4:00	68.00	1166	7	0.60
5/03/2018 5:00	68.80	2419	14	0.60
5/03/2018 6:00	66.60	4634	92	2.00
5/03/2018 7:00	65.90	6772	162	2.40
5/03/2018 8:00	64.20	6871	142	2.10
5/03/2018 9:00	63.60	6679	171	2.60
5/03/2018 10:00	63.60	6358	176	2.80
5/03/2018 11:00	63.70	6668	138	2.10
5/03/2018 12:00	63.70	7519	207	2.80
5/03/2018 13:00	63.30	7669	201	2.60
5/03/2018 14:00	62.80	9003	270	3.00
5/03/2018 15:00	51.90	9036	601	6.70
5/03/2018 16:00	44.20	9064	587	6.50
5/03/2018 17:00	41.20	8955	440	4.90
5/03/2018 18:00	46.60	8859	245	2.80
5/03/2018 19:00	66.00	6598	134	2.00
5/03/2018 20:00	66.90	5057	124	2.50
5/03/2018 21:00	67.60	4123	65	1.60
5/03/2018 22:00	68.70	2915	31	1.10
5/03/2018 23:00	68.30	2015	23	1.10
5/04/2018 0:00	69.20	1193	10	0.80
5/04/2018 1:00	69.30	858	3	0.30
5/04/2018 2:00	69.30	895	5	0.60
5/04/2018 3:00	68.90	939	6	0.60
5/04/2018 4:00	67.90	1193	3	0.30
5/04/2018 5:00	68.30	2418	18	0.70
5/04/2018 6:00	66.00	4449	60	1.30
5/04/2018 7:00	66.00	6664	172	2.60
5/04/2018 8:00	64.50	6853	174	2.50
5/04/2018 9:00	63.40	6866	220	3.20
5/04/2018 10:00	63.90	6839	168	2.50
5/04/2018 11:00	63.20	7462	211	2.80
5/04/2018 12:00	64.10	7731	169	2.20



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/04/2018 13:00	63.20	8384	247	2.90
5/04/2018 14:00	61.50	9081	264	2.90
5/04/2018 15:00	51.20	8892	631	7.10
5/04/2018 16:00	52.20	8949	511	5.70
5/04/2018 17:00	62.70	8948	252	2.80
5/04/2018 18:00	63.00	8534	233	2.70
5/04/2018 19:00	68.20	6335	127	2.00
5/04/2018 20:00	66.00	5355	128	2.40
5/04/2018 21:00	68.10	4437	90	2.00
5/04/2018 22:00	68.20	3198	39	1.20
5/04/2018 23:00	68.40	2708	27	1.00
5/05/2018 0:00	69.20	1701	11	0.60
5/05/2018 1:00	68.90	1327	4	0.30
5/05/2018 2:00	68.70	1144	2	0.20
5/05/2018 3:00	69.00	917	2	0.20
5/05/2018 4:00	68.20	1010	9	0.90
5/05/2018 5:00	68.50	1269	5	0.40
5/05/2018 6:00	69.00	2393	31	1.30
5/05/2018 7:00	67.10	3840	47	1.20
5/05/2018 8:00	66.60	5267	98	1.90
5/05/2018 9:00	64.20	6160	196	3.20
5/05/2018 10:00	63.90	6830	177	2.60
5/05/2018 11:00	65.00	7312	222	3.00
5/05/2018 12:00	64.70	7671	209	2.70
5/05/2018 13:00	65.20	7506	196	2.60
5/05/2018 14:00	64.80	7383	280	3.80
5/05/2018 15:00	65.80	7233	203	2.80
5/05/2018 16:00	66.00	7016	216	3.10
5/05/2018 17:00	66.70	6518	174	2.70
5/05/2018 18:00	66.70	6135	171	2.80
5/05/2018 19:00	67.70	4918	92	1.90
5/05/2018 20:00	67.10	4622	114	2.50
5/05/2018 21:00	68.80	3957	59	1.50
5/05/2018 22:00	68.20	3481	60	1.70
5/05/2018 23:00	68.60	2546	34	1.30
5/06/2018 0:00	68.80	1620	11	0.70
5/06/2018 1:00	69.50	982	6	0.60
5/06/2018 2:00	69.70	702	2	0.30
5/06/2018 3:00	68.90	969	8	0.80
5/06/2018 4:00	68.80	935	14	1.50
5/06/2018 5:00	69.10	1173	8	0.70
5/06/2018 6:00	68.90	1768	17	1.00
5/06/2018 7:00	68.80	2669	32	1.20
5/06/2018 8:00	68.10	3822	64	1.70
5/06/2018 9:00	66.90	4823	121	2.50
5/06/2018 10:00	65.30	5706	130	2.30
5/06/2018 11:00	64.70	5940	182	3.10
5/06/2018 12:00	64.20	6080	159	2.60
5/06/2018 13:00	64.80	6267	165	2.60
5/06/2018 14:00	63.80	6202	172	2.80
5/06/2018 15:00	64.70	5970	156	2.60
5/06/2018 16:00	65.30	5933	157	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/06/2018 17:00	66.10	5502	117	2.10
5/06/2018 18:00	66.50	5142	112	2.20
5/06/2018 19:00	67.80	4619	94	2.00
5/06/2018 20:00	66.70	3918	65	1.70
5/06/2018 21:00	68.20	3198	31	1.00
5/06/2018 22:00	68.60	2381	17	0.70
5/06/2018 23:00	68.80	1457	7	0.50
5/07/2018 0:00	69.10	1029	4	0.40
5/07/2018 1:00	69.10	953	6	0.60
5/07/2018 2:00	68.70	827	7	0.80
5/07/2018 3:00	69.20	874	7	0.80
5/07/2018 4:00	68.50	1060	3	0.30
5/07/2018 5:00	68.80	2501	17	0.70
5/07/2018 6:00	66.20	4744	112	2.40
5/07/2018 7:00	65.30	6577	143	2.20
5/07/2018 8:00	63.30	6831	154	2.30
5/07/2018 9:00	63.60	6023	168	2.80
5/07/2018 10:00	62.70	6333	107	1.70
5/07/2018 11:00	63.20	6482	158	2.40
5/07/2018 12:00	63.60	6722	155	2.30
5/07/2018 13:00	63.10	6910	176	2.50
5/07/2018 14:00	62.50	8762	268	3.10
5/07/2018 15:00	61.70	8954	274	3.10
5/07/2018 16:00	61.60	8802	262	3.00
5/07/2018 17:00	59.70	9076	356	3.90
5/07/2018 18:00	63.40	7706	210	2.70
5/07/2018 19:00	66.80	5670	148	2.60
5/07/2018 20:00	67.30	4406	90	2.00
5/07/2018 21:00	68.00	3681	80	2.20
5/07/2018 22:00	68.40	2496	26	1.00
5/07/2018 23:00	68.00	1665	9	0.50
5/08/2018 0:00	69.10	1076	7	0.70
5/08/2018 1:00	69.30	924	5	0.50
5/08/2018 2:00	69.10	885	0	0.00
5/08/2018 3:00	69.20	850	2	0.20
5/08/2018 4:00	68.30	1095	5	0.50
5/08/2018 5:00	68.20	2506	26	1.00
5/08/2018 6:00	66.70	4702	94	2.00
5/08/2018 7:00	66.40	6797	211	3.10
5/08/2018 8:00	64.80	6818	179	2.60
5/08/2018 9:00	64.10	6618	149	2.30
5/08/2018 10:00	64.00	6036	118	2.00
5/08/2018 11:00	63.90	6626	132	2.00
5/08/2018 12:00	63.90	6961	179	2.60
5/08/2018 13:00	63.40	7329	199	2.70
5/08/2018 14:00	62.70	8805	242	2.70
5/08/2018 15:00	58.40	8830	514	5.80
5/08/2018 16:00	53.40	8760	497	5.70
5/08/2018 17:00	38.20	8355	612	7.30
5/08/2018 18:00	49.80	8636	618	7.20
5/08/2018 19:00	67.50	6096	143	2.30
5/08/2018 20:00	67.90	4901	82	1.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/08/2018 21:00	68.20	3886	62	1.60
5/08/2018 22:00	67.80	2592	21	0.80
5/08/2018 23:00	68.20	1822	17	0.90
5/09/2018 0:00	68.70	1122	5	0.40
5/09/2018 1:00	69.00	1081	11	1.00
5/09/2018 2:00	69.30	876	3	0.30
5/09/2018 3:00	69.30	841	2	0.20
5/09/2018 4:00	68.30	1027	3	0.30
5/09/2018 5:00	68.30	2435	20	0.80
5/09/2018 6:00	66.30	4560	88	1.90
5/09/2018 7:00	66.20	7347	132	1.80
5/09/2018 8:00	63.90	6836	119	1.70
5/09/2018 9:00	63.70	6540	147	2.20
5/09/2018 10:00	62.90	6344	163	2.60
5/09/2018 11:00	62.80	6990	155	2.20
5/09/2018 12:00	63.40	6927	146	2.10
5/09/2018 13:00	62.40	7507	209	2.80
5/09/2018 14:00	60.80	9188	276	3.00
5/09/2018 15:00	60.30	9217	302	3.30
5/09/2018 16:00	55.90	9134	544	6.00
5/09/2018 17:00	59.90	9051	333	3.70
5/09/2018 18:00	62.00	8648	256	3.00
5/09/2018 19:00	66.20	6369	168	2.60
5/09/2018 20:00	66.30	5045	123	2.40
5/09/2018 21:00	67.90	4479	85	1.90
5/09/2018 22:00	68.50	3002	47	1.60
5/09/2018 23:00	68.40	2040	20	1.00
5/10/2018 0:00	69.60	1222	7	0.60
5/10/2018 1:00	69.10	868	1	0.10
5/10/2018 2:00	69.20	921	0	0.00
5/10/2018 3:00	69.40	889	2	0.20
5/10/2018 4:00	68.00	1125	7	0.60
5/10/2018 5:00	68.50	2419	17	0.70
5/10/2018 6:00	67.20	4606	86	1.90
5/10/2018 7:00	65.30	6802	181	2.70
5/10/2018 8:00	64.60	6729	148	2.20
5/10/2018 9:00	63.60	6735	152	2.30
5/10/2018 10:00	63.60	6436	120	1.90
5/10/2018 11:00	63.50	6979	180	2.60
5/10/2018 12:00	63.20	7470	195	2.60
5/10/2018 13:00	62.70	7787	214	2.70
5/10/2018 14:00	62.00	8787	260	3.00
5/10/2018 15:00	61.30	9319	293	3.10
5/10/2018 16:00	55.20	9285	585	6.30
5/10/2018 17:00	61.50	9160	292	3.20
5/10/2018 18:00	62.80	9035	223	2.50
5/10/2018 19:00	66.70	6935	181	2.60
5/10/2018 20:00	66.50	5005	86	1.70
5/10/2018 21:00	67.50	4176	82	2.00
5/10/2018 22:00	68.20	3130	37	1.20
5/10/2018 23:00	67.90	2074	17	0.80
5/11/2018 0:00	69.20	1276	4	0.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/11/2018 1:00	69.10	1073	3	0.30
5/11/2018 2:00	68.80	958	3	0.30
5/11/2018 3:00	69.00	893	2	0.20
5/11/2018 4:00	68.30	1082	6	0.60
5/11/2018 5:00	67.90	2492	24	1.00
5/11/2018 6:00	65.40	4647	81	1.70
5/11/2018 7:00	65.50	6704	204	3.00
5/11/2018 8:00	64.10	6912	170	2.50
5/11/2018 9:00	64.10	6562	151	2.30
5/11/2018 10:00	63.20	6606	158	2.40
5/11/2018 11:00	62.80	7198	172	2.40
5/11/2018 12:00	60.80	7662	226	2.90
5/11/2018 13:00	61.60	8625	290	3.40
5/11/2018 14:00	46.90	9163	836	9.10
5/11/2018 15:00	37.60	8083	891	11.00
5/11/2018 16:00	31.70	8020	879	11.00
5/11/2018 17:00	35.10	8376	584	7.00
5/11/2018 18:00	59.80	9393	325	3.50
5/11/2018 19:00	65.40	6857	161	2.30
5/11/2018 20:00	67.00	5106	98	1.90
5/11/2018 21:00	67.90	4193	70	1.70
5/11/2018 22:00	67.80	3541	45	1.30
5/11/2018 23:00	67.40	2682	26	1.00
5/12/2018 0:00	68.60	1767	11	0.60
5/12/2018 1:00	68.50	1263	4	0.30
5/12/2018 2:00	68.70	1175	1	0.10
5/12/2018 3:00	68.90	956	4	0.40
5/12/2018 4:00	68.20	990	6	0.60
5/12/2018 5:00	68.30	1371	7	0.50
5/12/2018 6:00	68.90	2685	28	1.00
5/12/2018 7:00	67.10	4085	71	1.70
5/12/2018 8:00	66.10	4991	120	2.40
5/12/2018 9:00	66.40	5783	114	2.00
5/12/2018 10:00	65.30	6947	169	2.40
5/12/2018 11:00	64.80	7460	192	2.60
5/12/2018 12:00	64.50	7845	204	2.60
5/12/2018 13:00	64.40	7720	217	2.80
5/12/2018 14:00	64.80	7703	237	3.10
5/12/2018 15:00	65.30	7594	202	2.70
5/12/2018 16:00	65.50	7453	193	2.60
5/12/2018 17:00	65.90	7429	194	2.60
5/12/2018 18:00	67.10	5981	141	2.40
5/12/2018 19:00	67.40	5080	129	2.50
5/12/2018 20:00	67.20	4551	116	2.50
5/12/2018 21:00	68.00	3958	95	2.40
5/12/2018 22:00	68.30	3511	72	2.10
5/12/2018 23:00	67.90	2559	30	1.20
5/13/2018 0:00	69.00	8689	1	0.00
5/13/2018 1:00	72.40	6218	2	0.00
5/13/2018 2:00	72.50	5219	1	0.00
5/13/2018 3:00	73.70	4214	1	0.00
5/13/2018 4:00	74.70	4159	1	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/13/2018 5:00	73.70	5792	0	0.00
5/13/2018 6:00	70.30	7987	0	0.00
5/13/2018 7:00	63.50	10319	0	0.00
5/13/2018 8:00	54.40	12715	1	0.00
5/13/2018 9:00	51.60	13216	0	0.00
5/13/2018 10:00	49.80	13444	1	0.00
5/13/2018 11:00	48.40	13511	0	0.00
5/13/2018 12:00	47.00	13404	0	0.00
5/13/2018 13:00	47.10	13425	2	0.00
5/13/2018 14:00	47.00	13044	0	0.00
5/13/2018 15:00	47.40	13135	0	0.00
5/13/2018 16:00	47.30	12980	1	0.00
5/13/2018 17:00	47.30	13011	1	0.00
5/13/2018 18:00	49.40	12850	2	0.00
5/13/2018 19:00	51.80	12853	0	0.00
5/13/2018 20:00	52.70	12618	1	0.00
5/13/2018 21:00	69.20	11921	2	0.00
5/13/2018 22:00	73.50	10437	0	0.00
5/13/2018 23:00	71.70	8826	1	0.00
5/14/2018 0:00	69.00	1166	4	0.30
5/14/2018 1:00	69.40	773	2	0.30
5/14/2018 2:00	69.30	787	1	0.10
5/14/2018 3:00	69.20	832	4	0.50
5/14/2018 4:00	68.40	1154	7	0.60
5/14/2018 5:00	68.90	2553	29	1.10
5/14/2018 6:00	67.10	4624	84	1.80
5/14/2018 7:00	66.00	6275	149	2.40
5/14/2018 8:00	54.00	7165	419	5.80
5/14/2018 9:00	58.80	6027	184	3.10
5/14/2018 10:00	63.60	5939	117	2.00
5/14/2018 11:00	63.50	6179	134	2.20
5/14/2018 12:00	63.50	6675	177	2.70
5/14/2018 13:00	63.90	6959	171	2.50
5/14/2018 14:00	62.90	8632	252	2.90
5/14/2018 15:00	62.20	9031	280	3.10
5/14/2018 16:00	61.60	9202	288	3.10
5/14/2018 17:00	60.70	9319	309	3.30
5/14/2018 18:00	65.30	7518	174	2.30
5/14/2018 19:00	67.80	5390	111	2.10
5/14/2018 20:00	66.90	4464	96	2.20
5/14/2018 21:00	68.70	3710	56	1.50
5/14/2018 22:00	69.00	2575	23	0.90
5/14/2018 23:00	68.90	1844	16	0.90
5/15/2018 0:00	69.30	1114	9	0.80
5/15/2018 1:00	69.30	851	4	0.50
5/15/2018 2:00	69.10	861	3	0.30
5/15/2018 3:00	69.40	827	3	0.40
5/15/2018 4:00	68.20	1121	6	0.50
5/15/2018 5:00	68.50	2387	16	0.70
5/15/2018 6:00	66.50	4685	59	1.30
5/15/2018 7:00	66.10	6333	132	2.10
5/15/2018 8:00	64.70	6752	125	1.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/15/2018 9:00	64.80	6147	117	1.90
5/15/2018 10:00	64.40	7198	345	4.80
5/15/2018 11:00	64.30	7727	418	5.40
5/15/2018 12:00	64.40	8078	435	5.40
5/15/2018 13:00	64.50	8221	471	5.70
5/15/2018 14:00	64.10	8957	489	5.50
5/15/2018 15:00	63.00	9050	537	5.90
5/15/2018 16:00	61.40	8839	583	6.60
5/15/2018 17:00	62.10	9149	622	6.80
5/15/2018 18:00	65.30	7985	622	7.80
5/15/2018 19:00	68.60	5812	322	5.50
5/15/2018 20:00	68.20	4835	238	4.90
5/15/2018 21:00	69.50	3986	175	4.40
5/15/2018 22:00	69.70	2772	112	4.00
5/15/2018 23:00	69.80	1655	49	3.00
5/16/2018 0:00	70.40	780	15	1.90
5/16/2018 1:00	69.40	633	9	1.40
5/16/2018 2:00	69.50	525	5	1.00
5/16/2018 3:00	69.50	537	3	0.60
5/16/2018 4:00	70.80	1044	21	2.00
5/16/2018 5:00	71.40	3493	78	2.20
5/16/2018 6:00	66.80	6733	189	2.80
5/16/2018 7:00	66.00	7897	136	1.70
5/16/2018 8:00	64.80	8179	257	3.10
5/16/2018 9:00	63.70	7995	407	5.10
5/16/2018 10:00	64.00	7558	417	5.50
5/16/2018 11:00	63.80	7965	451	5.70
5/16/2018 12:00	63.90	8080	416	5.10
5/16/2018 13:00	63.90	8248	466	5.60
5/16/2018 14:00	63.10	9254	555	6.00
5/16/2018 15:00	61.20	8943	414	4.60
5/16/2018 16:00	51.20	8756	525	6.00
5/16/2018 17:00	49.60	9219	715	7.80
5/16/2018 18:00	49.00	8917	287	3.20
5/16/2018 19:00	66.60	6203	145	2.30
5/16/2018 20:00	66.10	5087	120	2.40
5/16/2018 21:00	67.50	4119	53	1.30
5/16/2018 22:00	68.30	2826	28	1.00
5/16/2018 23:00	67.80	1896	9	0.50
5/17/2018 0:00	70.40	915	19	2.10
5/17/2018 1:00	70.20	552	5	0.90
5/17/2018 2:00	69.40	567	9	1.60
5/17/2018 3:00	69.50	568	4	0.70
5/17/2018 4:00	70.20	1105	25	2.30
5/17/2018 5:00	71.50	3453	62	1.80
5/17/2018 6:00	67.40	6728	178	2.60
5/17/2018 7:00	65.90	8214	161	2.00
5/17/2018 8:00	64.90	8187	264	3.20
5/17/2018 9:00	64.80	8180	429	5.20
5/17/2018 10:00	64.10	7606	432	5.70
5/17/2018 11:00	63.90	7877	418	5.30
5/17/2018 12:00	63.60	8282	407	4.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/17/2018 13:00	63.60	8556	489	5.70
5/17/2018 14:00	63.50	9292	508	5.50
5/17/2018 15:00	58.30	9229	1099	11.90
5/17/2018 16:00	54.00	8942	985	11.00
5/17/2018 17:00	54.90	9041	1092	12.10
5/17/2018 18:00	64.00	8352	698	8.40
5/17/2018 19:00	68.20	6404	390	6.10
5/17/2018 20:00	68.10	5078	268	5.30
5/17/2018 21:00	69.20	4338	199	4.60
5/17/2018 22:00	69.90	3170	133	4.20
5/17/2018 23:00	69.40	1962	78	4.00
5/18/2018 0:00	69.50	1329	6	0.50
5/18/2018 1:00	69.70	705	0	0.00
5/18/2018 2:00	69.40	889	2	0.20
5/18/2018 3:00	69.20	893	2	0.20
5/18/2018 4:00	68.40	1138	5	0.40
5/18/2018 5:00	68.40	2462	23	0.90
5/18/2018 6:00	66.30	4519	61	1.30
5/18/2018 7:00	64.50	6274	155	2.50
5/18/2018 8:00	62.60	6483	174	2.70
5/18/2018 9:00	63.50	6124	143	2.30
5/18/2018 10:00	63.80	6370	148	2.30
5/18/2018 11:00	64.00	6993	130	1.90
5/18/2018 12:00	63.80	7507	201	2.70
5/18/2018 13:00	63.40	7895	206	2.60
5/18/2018 14:00	62.10	9244	312	3.40
5/18/2018 15:00	62.60	9240	285	3.10
5/18/2018 16:00	59.80	9318	397	4.30
5/18/2018 17:00	64.00	9432	250	2.70
5/18/2018 18:00	43.80	7255	685	9.40
5/18/2018 19:00	64.40	6166	161	2.60
5/18/2018 20:00	66.80	5145	121	2.40
5/18/2018 21:00	67.90	4228	81	1.90
5/18/2018 22:00	68.70	3437	35	1.00
5/18/2018 23:00	68.60	2586	21	0.80
5/19/2018 0:00	69.20	1719	10	0.60
5/19/2018 1:00	69.10	1022	3	0.30
5/19/2018 2:00	69.80	717	2	0.30
5/19/2018 3:00	69.30	928	2	0.20
5/19/2018 4:00	68.60	973	3	0.30
5/19/2018 5:00	68.80	1275	4	0.30
5/19/2018 6:00	67.50	2295	17	0.70
5/19/2018 7:00	67.20	3525	31	0.90
5/19/2018 8:00	67.00	4959	78	1.60
5/19/2018 9:00	66.20	5774	140	2.40
5/19/2018 10:00	66.70	6591	150	2.30
5/19/2018 11:00	65.60	7026	172	2.40
5/19/2018 12:00	65.50	7211	187	2.60
5/19/2018 13:00	65.50	7469	171	2.30
5/19/2018 14:00	65.20	7382	200	2.70
5/19/2018 15:00	65.30	7229	168	2.30
5/19/2018 16:00	66.40	7101	186	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/19/2018 17:00	65.60	7279	204	2.80
5/19/2018 18:00	66.40	6464	198	3.10
5/19/2018 19:00	67.90	4834	98	2.00
5/19/2018 20:00	67.40	4305	87	2.00
5/19/2018 21:00	68.60	4022	58	1.40
5/19/2018 22:00	68.70	3436	47	1.40
5/19/2018 23:00	69.10	2496	26	1.00
5/20/2018 0:00	67.30	8276	1	0.00
5/20/2018 1:00	70.30	6023	0	0.00
5/20/2018 2:00	72.00	4665	0	0.00
5/20/2018 3:00	71.10	3858	0	0.00
5/20/2018 4:00	69.80	4109	4	0.10
5/20/2018 5:00	70.50	6429	0	0.00
5/20/2018 6:00	66.90	8846	0	0.00
5/20/2018 7:00	61.60	10859	0	0.00
5/20/2018 8:00	56.20	11859	0	0.00
5/20/2018 9:00	52.30	12939	3	0.00
5/20/2018 10:00	50.40	13307	0	0.00
5/20/2018 11:00	49.00	13526	9	0.10
5/20/2018 12:00	48.20	13641	9	0.10
5/20/2018 13:00	48.00	13634	0	0.00
5/20/2018 14:00	42.30	11265	46	0.40
5/20/2018 15:00	45.20	12451	42	0.30
5/20/2018 16:00	47.70	13693	4	0.00
5/20/2018 17:00	48.70	13636	0	0.00
5/20/2018 18:00	50.50	13135	1	0.00
5/20/2018 19:00	54.00	12731	0	0.00
5/20/2018 20:00	55.40	12063	1	0.00
5/20/2018 21:00	73.40	11400	0	0.00
5/20/2018 22:00	73.20	10091	1	0.00
5/20/2018 23:00	72.90	8046	0	0.00
5/21/2018 0:00	69.60	925	3	0.30
5/21/2018 1:00	68.80	1021	9	0.90
5/21/2018 2:00	69.30	773	3	0.40
5/21/2018 3:00	69.20	888	5	0.60
5/21/2018 4:00	68.20	1281	1	0.10
5/21/2018 5:00	66.80	2451	31	1.30
5/21/2018 6:00	67.00	4387	77	1.80
5/21/2018 7:00	66.00	6353	157	2.50
5/21/2018 8:00	64.10	6591	174	2.60
5/21/2018 9:00	63.60	5970	100	1.70
5/21/2018 10:00	64.10	5878	112	1.90
5/21/2018 11:00	63.90	6277	121	1.90
5/21/2018 12:00	64.30	6452	124	1.90
5/21/2018 13:00	64.30	6831	144	2.10
5/21/2018 14:00	62.60	8803	221	2.50
5/21/2018 15:00	62.60	9131	253	2.80
5/21/2018 16:00	62.80	9316	275	3.00
5/21/2018 17:00	63.30	9350	234	2.50
5/21/2018 18:00	65.60	7752	199	2.60
5/21/2018 19:00	68.60	5527	113	2.00
5/21/2018 20:00	67.30	4360	90	2.10



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/21/2018 21:00	68.00	3613	64	1.80
5/21/2018 22:00	68.50	2510	30	1.20
5/21/2018 23:00	68.00	1816	12	0.70
5/22/2018 0:00	68.70	1191	7	0.60
5/22/2018 1:00	69.10	904	1	0.10
5/22/2018 2:00	69.10	892	4	0.40
5/22/2018 3:00	69.10	876	3	0.30
5/22/2018 4:00	68.20	1142	8	0.70
5/22/2018 5:00	69.10	2463	14	0.60
5/22/2018 6:00	66.50	4644	83	1.80
5/22/2018 7:00	65.30	6585	178	2.70
5/22/2018 8:00	64.20	6723	153	2.30
5/22/2018 9:00	63.80	6234	135	2.20
5/22/2018 10:00	63.90	6163	129	2.10
5/22/2018 11:00	62.50	6498	180	2.80
5/22/2018 12:00	63.10	6895	187	2.70
5/22/2018 13:00	63.50	7187	140	1.90
5/22/2018 14:00	61.90	8883	258	2.90
5/22/2018 15:00	55.30	8857	546	6.20
5/22/2018 16:00	32.00	7993	770	9.60
5/22/2018 17:00	36.70	8575	319	3.70
5/22/2018 18:00	58.50	9335	292	3.10
5/22/2018 19:00	67.00	6442	134	2.10
5/22/2018 20:00	67.00	5013	106	2.10
5/22/2018 21:00	68.70	3997	58	1.50
5/22/2018 22:00	69.50	2718	30	1.10
5/22/2018 23:00	69.00	1852	17	0.90
5/23/2018 0:00	69.10	1297	11	0.80
5/23/2018 1:00	68.50	1112	14	1.30
5/23/2018 2:00	69.10	889	3	0.30
5/23/2018 3:00	68.90	931	2	0.20
5/23/2018 4:00	67.70	1199	5	0.40
5/23/2018 5:00	69.20	2463	26	1.10
5/23/2018 6:00	67.00	4596	83	1.80
5/23/2018 7:00	65.10	6745	172	2.60
5/23/2018 8:00	64.10	6454	127	2.00
5/23/2018 9:00	64.00	6095	136	2.20
5/23/2018 10:00	64.90	5773	100	1.70
5/23/2018 11:00	63.10	6438	147	2.30
5/23/2018 12:00	63.00	7056	153	2.20
5/23/2018 13:00	63.20	7307	185	2.50
5/23/2018 14:00	62.90	8664	221	2.60
5/23/2018 15:00	62.50	9131	279	3.10
5/23/2018 16:00	64.30	8298	248	3.00
5/23/2018 17:00	66.40	7899	220	2.80
5/23/2018 18:00	64.90	8326	208	2.50
5/23/2018 19:00	67.40	6152	152	2.50
5/23/2018 20:00	66.60	4912	122	2.50
5/23/2018 21:00	67.30	4182	73	1.70
5/23/2018 22:00	67.50	2951	38	1.30
5/23/2018 23:00	67.20	2100	20	1.00
5/24/2018 0:00	68.80	1318	8	0.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/24/2018 1:00	69.50	733	3	0.40
5/24/2018 2:00	69.00	888	2	0.20
5/24/2018 3:00	69.10	822	2	0.20
5/24/2018 4:00	67.80	1182	4	0.30
5/24/2018 5:00	68.00	2520	23	0.90
5/24/2018 6:00	66.80	4335	82	1.90
5/24/2018 7:00	65.90	6223	180	2.90
5/24/2018 8:00	65.10	6474	122	1.90
5/24/2018 9:00	63.30	6170	95	1.50
5/24/2018 10:00	64.40	6092	133	2.20
5/24/2018 11:00	64.30	6313	123	1.90
5/24/2018 12:00	64.20	7143	163	2.30
5/24/2018 13:00	64.10	7642	189	2.50
5/24/2018 14:00	62.90	8944	260	2.90
5/24/2018 15:00	62.50	9366	263	2.80
5/24/2018 16:00	62.50	9447	317	3.40
5/24/2018 17:00	58.30	9414	423	4.50
5/24/2018 18:00	63.80	8531	259	3.00
5/24/2018 19:00	68.70	6132	144	2.30
5/24/2018 20:00	66.00	4963	105	2.10
5/24/2018 21:00	68.40	4162	85	2.00
5/24/2018 22:00	68.60	3197	33	1.00
5/24/2018 23:00	68.50	2273	17	0.70
5/25/2018 0:00	69.30	1367	6	0.40
5/25/2018 1:00	69.10	1047	3	0.30
5/25/2018 2:00	69.20	905	1	0.10
5/25/2018 3:00	68.90	998	7	0.70
5/25/2018 4:00	68.30	1307	14	1.10
5/25/2018 5:00	68.70	2371	24	1.00
5/25/2018 6:00	66.10	4155	47	1.10
5/25/2018 7:00	65.90	6440	151	2.30
5/25/2018 8:00	64.90	6647	157	2.40
5/25/2018 9:00	63.50	6442	152	2.40
5/25/2018 10:00	63.80	6727	178	2.60
5/25/2018 11:00	63.60	7123	127	1.80
5/25/2018 12:00	63.60	7889	201	2.50
5/25/2018 13:00	62.50	8754	288	3.30
5/25/2018 14:00	62.00	8801	281	3.20
5/25/2018 15:00	64.10	8400	241	2.90
5/25/2018 16:00	63.70	8265	244	3.00
5/25/2018 17:00	63.90	8434	235	2.80
5/25/2018 18:00	65.40	7256	167	2.30
5/25/2018 19:00	67.30	5977	158	2.60
5/25/2018 20:00	67.10	5194	104	2.00
5/25/2018 21:00	68.50	4354	61	1.40
5/25/2018 22:00	68.90	3612	46	1.30
5/25/2018 23:00	67.80	2637	28	1.10
5/26/2018 0:00	68.60	1676	10	0.60
5/26/2018 1:00	69.10	969	0	0.00
5/26/2018 2:00	69.60	708	3	0.40
5/26/2018 3:00	69.40	943	0	0.00
5/26/2018 4:00	68.50	1009	5	0.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/26/2018 5:00	69.30	1204	3	0.20
5/26/2018 6:00	67.70	2150	13	0.60
5/26/2018 7:00	67.50	3316	44	1.30
5/26/2018 8:00	66.80	4432	63	1.40
5/26/2018 9:00	66.50	5712	118	2.10
5/26/2018 10:00	65.40	6313	189	3.00
5/26/2018 11:00	65.20	6774	180	2.70
5/26/2018 12:00	64.90	6974	173	2.50
5/26/2018 13:00	65.00	6964	166	2.40
5/26/2018 14:00	65.60	7013	162	2.30
5/26/2018 15:00	66.20	6725	118	1.80
5/26/2018 16:00	66.40	6820	168	2.50
5/26/2018 17:00	66.80	6514	153	2.30
5/26/2018 18:00	67.30	5864	108	1.80
5/26/2018 19:00	67.80	5109	87	1.70
5/26/2018 20:00	67.90	4334	81	1.90
5/26/2018 21:00	68.40	3971	63	1.60
5/26/2018 22:00	69.00	3432	55	1.60
5/26/2018 23:00	68.30	2345	28	1.20
5/27/2018 0:00	69.20	1495	11	0.70
5/27/2018 1:00	69.10	1054	2	0.20
5/27/2018 2:00	69.60	738	1	0.10
5/27/2018 3:00	69.00	942	3	0.30
5/27/2018 4:00	69.00	886	2	0.20
5/27/2018 5:00	68.40	966	6	0.60
5/27/2018 6:00	68.10	1476	10	0.70
5/27/2018 7:00	67.90	2163	21	1.00
5/27/2018 8:00	68.60	3231	37	1.10
5/27/2018 9:00	66.90	4239	54	1.30
5/27/2018 10:00	64.80	5146	114	2.20
5/27/2018 11:00	63.80	5713	158	2.80
5/27/2018 12:00	63.90	5881	138	2.30
5/27/2018 13:00	63.80	6071	176	2.90
5/27/2018 14:00	64.20	5957	151	2.50
5/27/2018 15:00	62.90	6002	193	3.20
5/27/2018 16:00	63.90	5843	166	2.80
5/27/2018 17:00	64.20	5729	165	2.90
5/27/2018 18:00	65.10	5102	131	2.60
5/27/2018 19:00	67.80	4564	89	2.00
5/27/2018 20:00	67.40	4158	72	1.70
5/27/2018 21:00	67.70	3720	60	1.60
5/27/2018 22:00	68.10	3108	55	1.80
5/27/2018 23:00	69.30	2282	21	0.90
5/28/2018 0:00	69.30	1394	11	0.80
5/28/2018 1:00	70.10	773	1	0.10
5/28/2018 2:00	69.60	906	6	0.70
5/28/2018 3:00	69.60	869	2	0.20
5/28/2018 4:00	68.90	961	6	0.60
5/28/2018 5:00	69.40	991	3	0.30
5/28/2018 6:00	69.10	1499	5	0.30
5/28/2018 7:00	67.10	2106	12	0.60
5/28/2018 8:00	67.20	2848	30	1.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/28/2018 9:00	66.30	3728	35	0.90
5/28/2018 10:00	65.90	4523	78	1.70
5/28/2018 11:00	65.10	5267	114	2.20
5/28/2018 12:00	64.20	5934	157	2.60
5/28/2018 13:00	64.50	5796	139	2.40
5/28/2018 14:00	65.50	5657	126	2.20
5/28/2018 15:00	65.20	5554	133	2.40
5/28/2018 16:00	65.20	5289	119	2.20
5/28/2018 17:00	66.30	4910	101	2.10
5/28/2018 18:00	66.90	4536	92	2.00
5/28/2018 19:00	69.50	4059	60	1.50
5/28/2018 20:00	69.10	3689	52	1.40
5/28/2018 21:00	69.30	3261	44	1.30
5/28/2018 22:00	69.20	2529	27	1.10
5/28/2018 23:00	69.30	1801	11	0.60
5/29/2018 0:00	48.10	6398	0	0.00
5/29/2018 1:00	69.90	4690	2	0.00
5/29/2018 2:00	75.10	4128	1	0.00
5/29/2018 3:00	70.40	5144	2	0.00
5/29/2018 4:00	67.60	8407	1	0.00
5/29/2018 5:00	56.20	10252	5	0.00
5/29/2018 6:00	65.60	4451	70	1.60
5/29/2018 7:00	64.60	6249	144	2.30
5/29/2018 8:00	63.30	6694	148	2.20
5/29/2018 9:00	64.50	7640	104	1.40
5/29/2018 10:00	63.50	12119	10	0.10
5/29/2018 11:00	63.40	12404	14	0.10
5/29/2018 12:00	63.90	12705	21	0.20
5/29/2018 13:00	65.00	10144	61	0.60
5/29/2018 14:00	62.20	8893	249	2.80
5/29/2018 15:00	62.50	8736	237	2.70
5/29/2018 16:00	63.00	9050	275	3.00
5/29/2018 17:00	65.20	9547	216	2.30
5/29/2018 18:00	60.70	11725	100	0.90
5/29/2018 19:00	65.60	13227	0	0.00
5/29/2018 20:00	71.20	12403	0	0.00
5/29/2018 21:00	78.40	11689	0	0.00
5/29/2018 22:00	77.40	10307	0	0.00
5/29/2018 23:00	77.30	8151	0	0.00
5/30/2018 0:00	69.30	1270	5	0.40
5/30/2018 1:00	69.80	863	3	0.30
5/30/2018 2:00	69.30	906	8	0.90
5/30/2018 3:00	69.60	929	2	0.20
5/30/2018 4:00	68.00	1316	12	0.90
5/30/2018 5:00	67.90	2644	23	0.90
5/30/2018 6:00	66.30	4410	83	1.90
5/30/2018 7:00	59.90	6609	130	2.00
5/30/2018 8:00	63.40	6691	175	2.60
5/30/2018 9:00	63.20	6357	133	2.10
5/30/2018 10:00	63.70	6083	84	1.40
5/30/2018 11:00	63.60	6537	165	2.50
5/30/2018 12:00	64.00	6964	136	2.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/30/2018 13:00	63.80	7350	186	2.50
5/30/2018 14:00	62.30	8362	265	3.20
5/30/2018 15:00	62.30	9079	297	3.30
5/30/2018 16:00	62.10	9176	297	3.20
5/30/2018 17:00	62.30	9406	302	3.20
5/30/2018 18:00	63.90	9158	233	2.50
5/30/2018 19:00	67.10	6300	120	1.90
5/30/2018 20:00	65.70	4826	102	2.10
5/30/2018 21:00	67.10	4005	65	1.60
5/30/2018 22:00	68.10	3022	39	1.30
5/30/2018 23:00	68.30	2103	14	0.70
5/31/2018 0:00	69.10	1391	4	0.30
5/31/2018 1:00	69.20	896	3	0.30
5/31/2018 2:00	69.20	961	10	1.00
5/31/2018 3:00	69.10	960	4	0.40
5/31/2018 4:00	68.70	1174	3	0.30
5/31/2018 5:00	68.50	2384	23	1.00
5/31/2018 6:00	67.20	3492	42	1.20
5/31/2018 7:00	65.60	6537	175	2.70
5/31/2018 8:00	64.00	6818	198	2.90
5/31/2018 9:00	64.40	6428	109	1.70
5/31/2018 10:00	62.80	6268	125	2.00
5/31/2018 11:00	63.70	6761	115	1.70
5/31/2018 12:00	63.70	7295	172	2.40
5/31/2018 13:00	63.20	7528	192	2.60
5/31/2018 14:00	62.10	9016	269	3.00
5/31/2018 15:00	61.20	8954	282	3.10
5/31/2018 16:00	60.70	8905	298	3.30
5/31/2018 17:00	61.20	9520	313	3.30
5/31/2018 18:00	61.80	8994	244	2.70
5/31/2018 19:00	67.60	6204	168	2.70
5/31/2018 20:00	67.20	4797	94	2.00
5/31/2018 21:00	68.80	4056	45	1.10
5/31/2018 22:00	69.10	3086	28	0.90
5/31/2018 23:00	68.30	2229	23	1.00
6/01/2018 0:00	68.70	1366	7	0.50
6/01/2018 1:00	69.60	849	2	0.20
6/01/2018 2:00	69.10	961	7	0.70
6/01/2018 3:00	69.40	896	1	0.10
6/01/2018 4:00	68.50	1188	4	0.30
6/01/2018 5:00	71.10	3343	79	2.40
6/01/2018 6:00	66.90	6079	179	2.90
6/01/2018 7:00	65.80	6707	152	2.30
6/01/2018 8:00	63.40	6772	195	2.90
6/01/2018 9:00	62.80	6607	164	2.50
6/01/2018 10:00	62.60	6516	144	2.20
6/01/2018 11:00	62.10	7156	174	2.40
6/01/2018 12:00	61.90	7797	193	2.50
6/01/2018 13:00	61.70	8372	248	3.00
6/01/2018 14:00	59.00	9195	437	4.80
6/01/2018 15:00	48.60	8922	771	8.60
6/01/2018 16:00	59.60	9548	320	3.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/01/2018 17:00	61.50	9319	279	3.00
6/01/2018 18:00	61.30	8564	238	2.80
6/01/2018 19:00	65.80	6167	144	2.30
6/01/2018 20:00	65.10	5213	134	2.60
6/01/2018 21:00	67.80	4358	66	1.50
6/01/2018 22:00	68.30	3626	43	1.20
6/01/2018 23:00	68.90	2730	19	0.70
6/02/2018 0:00	69.00	1914	16	0.80
6/02/2018 1:00	68.40	1169	8	0.70
6/02/2018 2:00	70.20	735	0	0.00
6/02/2018 3:00	69.30	863	1	0.10
6/02/2018 4:00	68.50	915	4	0.40
6/02/2018 5:00	68.60	1262	7	0.60
6/02/2018 6:00	67.60	2404	21	0.90
6/02/2018 7:00	68.40	3697	39	1.10
6/02/2018 8:00	65.60	4789	100	2.10
6/02/2018 9:00	64.70	5841	132	2.30
6/02/2018 10:00	64.40	6588	148	2.20
6/02/2018 11:00	65.00	6992	192	2.70
6/02/2018 12:00	64.50	7439	198	2.70
6/02/2018 13:00	65.10	7157	166	2.30
6/02/2018 14:00	64.30	7244	188	2.60
6/02/2018 15:00	63.80	6884	186	2.70
6/02/2018 16:00	64.30	7019	177	2.50
6/02/2018 17:00	65.30	6727	165	2.50
6/02/2018 18:00	66.20	5851	155	2.60
6/02/2018 19:00	67.30	5078	109	2.10
6/02/2018 20:00	67.50	4466	109	2.40
6/02/2018 21:00	67.80	4027	92	2.30
6/02/2018 22:00	68.00	3507	43	1.20
6/02/2018 23:00	68.40	2687	39	1.50
6/03/2018 0:00	51.00	5023	10	0.20
6/03/2018 1:00	76.70	3793	1	0.00
6/03/2018 2:00	78.00	3243	1	0.00
6/03/2018 3:00	75.40	2801	7	0.20
6/03/2018 4:00	72.60	3576	8	0.20
6/03/2018 5:00	71.60	4345	2	0.00
6/03/2018 6:00	71.00	5641	9	0.20
6/03/2018 7:00	66.70	6732	8	0.10
6/03/2018 8:00	61.80	7847	61	0.80
6/03/2018 9:00	57.00	8664	94	1.10
6/03/2018 10:00	54.80	9264	129	1.40
6/03/2018 11:00	54.10	8999	167	1.90
6/03/2018 12:00	56.10	8474	173	2.00
6/03/2018 13:00	56.90	7738	159	2.10
6/03/2018 14:00	53.40	9418	173	1.80
6/03/2018 15:00	53.10	9224	167	1.80
6/03/2018 16:00	54.80	9227	142	1.50
6/03/2018 17:00	55.50	8902	120	1.30
6/03/2018 18:00	57.60	8575	77	0.90
6/03/2018 19:00	60.50	8296	64	0.80
6/03/2018 20:00	60.90	8013	80	1.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/03/2018 21:00	74.10	7626	46	0.60
6/03/2018 22:00	78.50	6607	23	0.30
6/03/2018 23:00	78.90	5139	10	0.20
6/04/2018 0:00	76.20	8527	2	0.00
6/04/2018 1:00	77.10	6475	0	0.00
6/04/2018 2:00	73.60	5445	3	0.10
6/04/2018 3:00	71.70	7111	3	0.00
6/04/2018 4:00	67.90	12125	2	0.00
6/04/2018 5:00	58.80	11247	15	0.10
6/04/2018 6:00	66.20	4396	69	1.60
6/04/2018 7:00	65.50	6024	140	2.30
6/04/2018 8:00	63.60	6619	160	2.40
6/04/2018 9:00	63.90	8915	166	1.90
6/04/2018 10:00	62.30	14879	15	0.10
6/04/2018 11:00	61.50	15177	18	0.10
6/04/2018 12:00	59.40	15336	4	0.00
6/04/2018 13:00	58.80	12307	57	0.50
6/04/2018 14:00	59.90	8612	266	3.10
6/04/2018 15:00	56.80	8984	405	4.50
6/04/2018 16:00	50.90	8849	598	6.80
6/04/2018 17:00	35.50	7764	893	11.50
6/04/2018 18:00	63.60	14506	52	0.40
6/04/2018 19:00	72.20	17205	0	0.00
6/04/2018 20:00	77.50	16470	0	0.00
6/04/2018 21:00	79.90	15828	0	0.00
6/04/2018 22:00	81.20	14264	0	0.00
6/04/2018 23:00	74.60	11300	0	0.00
6/05/2018 0:00	68.40	1389	17	1.20
6/05/2018 1:00	68.70	1115	6	0.50
6/05/2018 2:00	69.20	853	1	0.10
6/05/2018 3:00	69.10	877	5	0.60
6/05/2018 4:00	68.50	1124	8	0.70
6/05/2018 5:00	68.70	2697	27	1.00
6/05/2018 6:00	65.50	4604	91	2.00
6/05/2018 7:00	64.70	6550	190	2.90
6/05/2018 8:00	63.30	6698	174	2.60
6/05/2018 9:00	63.50	6269	141	2.20
6/05/2018 10:00	62.90	6081	143	2.40
6/05/2018 11:00	63.80	6732	156	2.30
6/05/2018 12:00	63.10	7013	148	2.10
6/05/2018 13:00	62.70	7254	190	2.60
6/05/2018 14:00	61.90	8979	231	2.60
6/05/2018 15:00	63.10	8665	238	2.70
6/05/2018 16:00	59.00	9079	473	5.20
6/05/2018 17:00	39.90	8543	1034	12.10
6/05/2018 18:00	60.20	8759	264	3.00
6/05/2018 19:00	67.60	6101	122	2.00
6/05/2018 20:00	67.60	4692	90	1.90
6/05/2018 21:00	68.10	3787	66	1.70
6/05/2018 22:00	68.40	2770	23	0.80
6/05/2018 23:00	68.20	2071	14	0.70
6/06/2018 0:00	69.70	1256	5	0.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/06/2018 1:00	69.80	926	1	0.10
6/06/2018 2:00	69.40	938	1	0.10
6/06/2018 3:00	69.50	915	1	0.10
6/06/2018 4:00	68.30	1255	4	0.30
6/06/2018 5:00	69.30	2517	27	1.10
6/06/2018 6:00	66.80	4563	79	1.70
6/06/2018 7:00	67.10	6415	142	2.20
6/06/2018 8:00	65.00	6725	172	2.60
6/06/2018 9:00	64.50	6232	143	2.30
6/06/2018 10:00	64.10	6125	136	2.20
6/06/2018 11:00	64.00	6691	146	2.20
6/06/2018 12:00	63.80	6949	151	2.20
6/06/2018 13:00	63.90	7321	195	2.70
6/06/2018 14:00	62.50	8649	235	2.70
6/06/2018 15:00	61.80	9005	271	3.00
6/06/2018 16:00	56.60	9033	420	4.60
6/06/2018 17:00	41.30	8622	916	10.60
6/06/2018 18:00	56.10	8319	401	4.80
6/06/2018 19:00	67.90	6198	130	2.10
6/06/2018 20:00	67.30	4893	84	1.70
6/06/2018 21:00	68.60	4393	98	2.20
6/06/2018 22:00	69.00	2938	28	1.00
6/06/2018 23:00	68.20	2141	17	0.80
6/07/2018 0:00	68.50	1423	12	0.80
6/07/2018 1:00	69.20	1132	7	0.60
6/07/2018 2:00	69.20	927	2	0.20
6/07/2018 3:00	68.80	871	7	0.80
6/07/2018 4:00	68.10	1150	7	0.60
6/07/2018 5:00	69.40	2836	48	1.70
6/07/2018 6:00	68.30	4700	80	1.70
6/07/2018 7:00	66.20	6389	121	1.90
6/07/2018 8:00	64.40	6590	159	2.40
6/07/2018 9:00	63.90	6350	143	2.30
6/07/2018 10:00	63.90	7195	365	5.10
6/07/2018 11:00	64.10	6587	118	1.80
6/07/2018 12:00	63.40	7226	180	2.50
6/07/2018 13:00	63.60	7513	171	2.30
6/07/2018 14:00	62.20	8873	271	3.10
6/07/2018 15:00	61.90	8875	312	3.50
6/07/2018 16:00	61.90	9121	246	2.70
6/07/2018 17:00	62.80	8273	333	4.00
6/07/2018 18:00	64.70	8497	581	6.80
6/07/2018 19:00	68.20	6181	260	4.20
6/07/2018 20:00	67.70	4888	237	4.80
6/07/2018 21:00	68.50	4316	84	1.90
6/07/2018 22:00	68.40	3018	30	1.00
6/07/2018 23:00	68.10	2218	16	0.70
6/08/2018 0:00	70.20	1065	21	2.00
6/08/2018 1:00	70.40	654	1	0.20
6/08/2018 2:00	69.70	632	6	0.90
6/08/2018 3:00	69.50	636	7	1.10
6/08/2018 4:00	70.30	1134	26	2.30



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/08/2018 5:00	71.20	3353	74	2.20
6/08/2018 6:00	67.20	6444	208	3.20
6/08/2018 7:00	66.10	7965	251	3.20
6/08/2018 8:00	64.90	8141	425	5.20
6/08/2018 9:00	64.90	8069	433	5.40
6/08/2018 10:00	64.50	7817	427	5.50
6/08/2018 11:00	63.90	8376	463	5.50
6/08/2018 12:00	63.30	8856	494	5.60
6/08/2018 13:00	63.30	9262	536	5.80
6/08/2018 14:00	61.50	9679	723	7.50
6/08/2018 15:00	53.00	9196	972	10.60
6/08/2018 16:00	47.00	8866	619	7.00
6/08/2018 17:00	55.50	9117	562	6.20
6/08/2018 18:00	64.50	8215	859	10.50
6/08/2018 19:00	67.90	6611	368	5.60
6/08/2018 20:00	67.80	5484	279	5.10
6/08/2018 21:00	69.30	4646	223	4.80
6/08/2018 22:00	69.80	3868	174	4.50
6/08/2018 23:00	69.60	2744	120	4.40
6/09/2018 0:00	68.90	1873	16	0.90
6/09/2018 1:00	68.50	1407	9	0.60
6/09/2018 2:00	68.90	1170	5	0.40
6/09/2018 3:00	69.00	916	4	0.40
6/09/2018 4:00	68.70	941	6	0.60
6/09/2018 5:00	68.20	1275	7	0.50
6/09/2018 6:00	67.70	2416	30	1.20
6/09/2018 7:00	68.10	3702	44	1.20
6/09/2018 8:00	65.90	5113	92	1.80
6/09/2018 9:00	65.40	5855	147	2.50
6/09/2018 10:00	64.80	6806	164	2.40
6/09/2018 11:00	64.20	7376	181	2.50
6/09/2018 12:00	64.70	7261	225	3.10
6/09/2018 13:00	64.70	7661	199	2.60
6/09/2018 14:00	63.80	7538	238	3.20
6/09/2018 15:00	64.30	7285	216	3.00
6/09/2018 16:00	65.20	6839	179	2.60
6/09/2018 17:00	65.80	6719	174	2.60
6/09/2018 18:00	66.80	6050	172	2.80
6/09/2018 19:00	67.90	5152	114	2.20
6/09/2018 20:00	67.80	4485	108	2.40
6/09/2018 21:00	68.10	3993	58	1.50
6/09/2018 22:00	68.50	3567	58	1.60
6/09/2018 23:00	68.30	2614	25	1.00
6/10/2018 0:00	68.90	1745	12	0.70
6/10/2018 1:00	69.00	1080	2	0.20
6/10/2018 2:00	69.00	986	3	0.30
6/10/2018 3:00	69.40	793	5	0.60
6/10/2018 4:00	68.90	976	13	1.30
6/10/2018 5:00	69.20	1057	6	0.60
6/10/2018 6:00	68.90	1842	19	1.00
6/10/2018 7:00	68.20	2531	31	1.20
6/10/2018 8:00	68.30	3538	59	1.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/10/2018 9:00	67.50	4526	82	1.80
6/10/2018 10:00	64.50	5395	134	2.50
6/10/2018 11:00	65.00	5713	137	2.40
6/10/2018 12:00	64.00	6263	171	2.70
6/10/2018 13:00	64.20	6226	181	2.90
6/10/2018 14:00	65.20	5975	112	1.90
6/10/2018 15:00	64.70	5999	155	2.60
6/10/2018 16:00	64.90	5719	159	2.80
6/10/2018 17:00	65.10	5437	123	2.30
6/10/2018 18:00	66.80	5090	139	2.70
6/10/2018 19:00	67.80	4430	69	1.60
6/10/2018 20:00	68.10	3967	75	1.90
6/10/2018 21:00	68.30	3396	50	1.50
6/10/2018 22:00	68.60	2774	22	0.80
6/10/2018 23:00	68.20	1701	10	0.60
6/11/2018 0:00	68.70	1004	1	0.10
6/11/2018 1:00	69.40	828	1	0.10
6/11/2018 2:00	68.90	835	7	0.80
6/11/2018 3:00	69.40	807	3	0.40
6/11/2018 4:00	68.30	1195	6	0.50
6/11/2018 5:00	67.00	2624	29	1.10
6/11/2018 6:00	66.40	4486	70	1.60
6/11/2018 7:00	65.70	6246	176	2.80
6/11/2018 8:00	63.50	6653	132	2.00
6/11/2018 9:00	62.40	6333	168	2.70
6/11/2018 10:00	62.90	6208	153	2.50
6/11/2018 11:00	61.10	6486	148	2.30
6/11/2018 12:00	60.70	6880	210	3.10
6/11/2018 13:00	60.40	7194	216	3.00
6/11/2018 14:00	59.90	8741	262	3.00
6/11/2018 15:00	59.90	9057	302	3.30
6/11/2018 16:00	52.00	8942	512	5.70
6/11/2018 17:00	51.80	8921	533	6.00
6/11/2018 18:00	55.80	8075	315	3.90
6/11/2018 19:00	67.40	5675	115	2.00
6/11/2018 20:00	65.90	4666	98	2.10
6/11/2018 21:00	67.10	3748	53	1.40
6/11/2018 22:00	67.70	2588	25	1.00
6/11/2018 23:00	67.90	1828	7	0.40
6/12/2018 0:00	68.60	1092	6	0.50
6/12/2018 1:00	69.20	866	3	0.30
6/12/2018 2:00	69.20	892	4	0.40
6/12/2018 3:00	69.30	857	4	0.50
6/12/2018 4:00	67.90	1172	6	0.50
6/12/2018 5:00	68.80	2625	24	0.90
6/12/2018 6:00	66.10	5823	129	2.20
6/12/2018 7:00	65.10	7178	171	2.40
6/12/2018 8:00	63.60	6769	136	2.00
6/12/2018 9:00	63.40	6573	170	2.60
6/12/2018 10:00	62.10	6450	167	2.60
6/12/2018 11:00	62.90	7025	190	2.70
6/12/2018 12:00	62.30	7394	198	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/12/2018 13:00	62.20	7612	184	2.40
6/12/2018 14:00	62.00	8720	253	2.90
6/12/2018 15:00	61.20	9102	306	3.40
6/12/2018 16:00	60.00	8884	314	3.50
6/12/2018 17:00	47.80	8551	553	6.50
6/12/2018 18:00	53.80	9047	273	3.00
6/12/2018 19:00	65.20	7224	219	3.00
6/12/2018 20:00	67.40	5227	116	2.20
6/12/2018 21:00	67.90	4118	91	2.20
6/12/2018 22:00	67.80	2974	19	0.60
6/12/2018 23:00	68.20	1986	9	0.50
6/13/2018 0:00	69.00	1313	7	0.50
6/13/2018 1:00	69.00	876	3	0.30
6/13/2018 2:00	69.10	902	3	0.30
6/13/2018 3:00	69.40	849	0	0.00
6/13/2018 4:00	68.60	1157	4	0.30
6/13/2018 5:00	68.90	2546	18	0.70
6/13/2018 6:00	66.60	4528	84	1.90
6/13/2018 7:00	66.30	6289	160	2.50
6/13/2018 8:00	64.50	6686	181	2.70
6/13/2018 9:00	64.10	6494	136	2.10
6/13/2018 10:00	63.50	6393	152	2.40
6/13/2018 11:00	63.10	7061	177	2.50
6/13/2018 12:00	63.60	7601	165	2.20
6/13/2018 13:00	63.20	7756	224	2.90
6/13/2018 14:00	62.50	8674	250	2.90
6/13/2018 15:00	63.30	9169	279	3.00
6/13/2018 16:00	48.10	8744	696	8.00
6/13/2018 17:00	42.60	9042	889	9.80
6/13/2018 18:00	61.50	8473	273	3.20
6/13/2018 19:00	67.30	6455	163	2.50
6/13/2018 20:00	67.50	5101	80	1.60
6/13/2018 21:00	68.50	4545	99	2.20
6/13/2018 22:00	68.40	3221	47	1.50
6/13/2018 23:00	68.60	2279	19	0.80
6/14/2018 0:00	68.80	1445	5	0.30
6/14/2018 1:00	69.00	950	3	0.30
6/14/2018 2:00	69.40	937	2	0.20
6/14/2018 3:00	69.30	822	6	0.70
6/14/2018 4:00	68.40	1141	6	0.50
6/14/2018 5:00	68.20	2653	18	0.70
6/14/2018 6:00	67.90	4423	67	1.50
6/14/2018 7:00	66.20	6959	177	2.50
6/14/2018 8:00	65.00	7927	226	2.90
6/14/2018 9:00	63.30	7020	278	4.00
6/14/2018 10:00	62.30	6508	146	2.20
6/14/2018 11:00	63.00	6664	130	2.00
6/14/2018 12:00	62.10	7470	190	2.50
6/14/2018 13:00	62.60	7668	188	2.50
6/14/2018 14:00	61.20	8826	267	3.00
6/14/2018 15:00	61.60	8916	272	3.10
6/14/2018 16:00	49.00	8315	258	3.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/14/2018 17:00	59.70	9156	258	2.80
6/14/2018 18:00	62.20	9063	265	2.90
6/14/2018 19:00	66.40	6690	154	2.30
6/14/2018 20:00	66.60	5263	122	2.30
6/14/2018 21:00	67.20	4129	50	1.20
6/14/2018 22:00	68.20	3246	39	1.20
6/14/2018 23:00	68.20	2437	21	0.90
6/15/2018 0:00	69.60	1377	4	0.30
6/15/2018 1:00	69.60	836	5	0.60
6/15/2018 2:00	68.70	1020	6	0.60
6/15/2018 3:00	68.90	905	5	0.60
6/15/2018 4:00	68.60	1202	8	0.70
6/15/2018 5:00	68.60	2593	27	1.00
6/15/2018 6:00	65.90	4579	84	1.80
6/15/2018 7:00	63.00	6082	163	2.70
6/15/2018 8:00	62.00	6677	170	2.50
6/15/2018 9:00	62.50	6392	128	2.00
6/15/2018 10:00	61.90	7069	177	2.50
6/15/2018 11:00	62.30	7491	164	2.20
6/15/2018 12:00	62.00	7608	198	2.60
6/15/2018 13:00	61.40	8413	295	3.50
6/15/2018 14:00	60.80	8767	260	3.00
6/15/2018 15:00	58.60	7634	262	3.40
6/15/2018 16:00	53.80	7917	190	2.40
6/15/2018 17:00	47.60	8326	189	2.30
6/15/2018 18:00	54.90	8426	226	2.70
6/15/2018 19:00	65.90	6331	165	2.60
6/15/2018 20:00	65.40	5090	77	1.50
6/15/2018 21:00	67.50	4411	62	1.40
6/15/2018 22:00	68.50	3647	43	1.20
6/15/2018 23:00	68.50	2854	29	1.00
6/16/2018 0:00	68.70	1788	14	0.80
6/16/2018 1:00	68.60	1372	2	0.10
6/16/2018 2:00	68.90	1158	4	0.30
6/16/2018 3:00	68.60	979	9	0.90
6/16/2018 4:00	68.60	981	0	0.00
6/16/2018 5:00	68.80	1181	6	0.50
6/16/2018 6:00	68.30	2375	23	1.00
6/16/2018 7:00	66.10	3686	38	1.00
6/16/2018 8:00	65.70	5083	77	1.50
6/16/2018 9:00	64.90	5918	147	2.50
6/16/2018 10:00	64.70	6566	200	3.00
6/16/2018 11:00	64.20	7160	175	2.40
6/16/2018 12:00	64.10	7406	223	3.00
6/16/2018 13:00	64.60	7431	187	2.50
6/16/2018 14:00	64.20	7381	171	2.30
6/16/2018 15:00	64.70	7200	157	2.20
6/16/2018 16:00	65.00	6937	166	2.40
6/16/2018 17:00	65.10	6831	175	2.60
6/16/2018 18:00	66.90	6160	156	2.50
6/16/2018 19:00	67.90	5249	85	1.60
6/16/2018 20:00	67.50	4615	82	1.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/16/2018 21:00	68.60	4098	58	1.40
6/16/2018 22:00	68.50	3425	33	1.00
6/16/2018 23:00	68.40	2585	24	0.90
6/17/2018 0:00	47.40	8285	0	0.00
6/17/2018 1:00	73.90	6161	0	0.00
6/17/2018 2:00	75.10	4908	0	0.00
6/17/2018 3:00	72.90	3955	0	0.00
6/17/2018 4:00	72.70	4397	1	0.00
6/17/2018 5:00	69.00	6224	3	0.00
6/17/2018 6:00	69.80	8294	0	0.00
6/17/2018 7:00	65.70	10423	0	0.00
6/17/2018 8:00	62.30	11541	0	0.00
6/17/2018 9:00	58.10	12339	1	0.00
6/17/2018 10:00	53.10	13015	0	0.00
6/17/2018 11:00	51.30	13168	1	0.00
6/17/2018 12:00	49.20	12999	0	0.00
6/17/2018 13:00	49.00	12965	0	0.00
6/17/2018 14:00	49.10	13002	0	0.00
6/17/2018 15:00	49.50	13097	1	0.00
6/17/2018 16:00	50.90	12852	0	0.00
6/17/2018 17:00	52.00	12966	0	0.00
6/17/2018 18:00	53.90	13122	0	0.00
6/17/2018 19:00	55.20	12791	0	0.00
6/17/2018 20:00	55.80	12601	0	0.00
6/17/2018 21:00	75.10	11988	0	0.00
6/17/2018 22:00	79.90	10451	0	0.00
6/17/2018 23:00	71.00	8764	1	0.00
6/18/2018 0:00	69.10	983	3	0.30
6/18/2018 1:00	68.50	936	9	1.00
6/18/2018 2:00	69.00	835	11	1.30
6/18/2018 3:00	69.10	861	9	1.00
6/18/2018 4:00	68.40	1200	6	0.50
6/18/2018 5:00	67.60	2608	19	0.70
6/18/2018 6:00	66.50	4222	47	1.10
6/18/2018 7:00	65.40	5693	95	1.70
6/18/2018 8:00	64.30	6539	165	2.50
6/18/2018 9:00	64.10	6214	122	2.00
6/18/2018 10:00	62.40	5974	155	2.60
6/18/2018 11:00	61.10	6490	159	2.40
6/18/2018 12:00	60.90	6753	155	2.30
6/18/2018 13:00	61.50	7069	148	2.10
6/18/2018 14:00	60.40	8611	229	2.70
6/18/2018 15:00	60.10	8676	264	3.00
6/18/2018 16:00	59.70	9061	300	3.30
6/18/2018 17:00	58.80	9298	307	3.30
6/18/2018 18:00	63.10	7798	211	2.70
6/18/2018 19:00	67.40	5497	98	1.80
6/18/2018 20:00	66.40	4614	124	2.70
6/18/2018 21:00	67.10	3636	60	1.70
6/18/2018 22:00	67.90	2590	32	1.20
6/18/2018 23:00	68.20	1776	13	0.70
6/19/2018 0:00	68.90	1249	13	1.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/19/2018 1:00	69.40	909	4	0.40
6/19/2018 2:00	69.30	906	6	0.70
6/19/2018 3:00	69.10	859	3	0.30
6/19/2018 4:00	68.60	1055	7	0.70
6/19/2018 5:00	68.60	2529	29	1.10
6/19/2018 6:00	67.50	4376	69	1.60
6/19/2018 7:00	65.60	6071	140	2.30
6/19/2018 8:00	63.90	6725	146	2.20
6/19/2018 9:00	63.80	6169	145	2.40
6/19/2018 10:00	64.20	6173	161	2.60
6/19/2018 11:00	63.50	6750	116	1.70
6/19/2018 12:00	62.90	6881	208	3.00
6/19/2018 13:00	62.80	7398	212	2.90
6/19/2018 14:00	62.20	8776	257	2.90
6/19/2018 15:00	62.00	8916	297	3.30
6/19/2018 16:00	60.70	9150	350	3.80
6/19/2018 17:00	36.50	8646	797	9.20
6/19/2018 18:00	60.10	9491	291	3.10
6/19/2018 19:00	67.00	6521	166	2.50
6/19/2018 20:00	67.90	4919	102	2.10
6/19/2018 21:00	68.70	3917	53	1.40
6/19/2018 22:00	68.80	2882	29	1.00
6/19/2018 23:00	68.70	2160	20	0.90
6/20/2018 0:00	69.10	1344	10	0.70
6/20/2018 1:00	69.90	738	2	0.30
6/20/2018 2:00	69.20	901	7	0.80
6/20/2018 3:00	69.20	852	6	0.70
6/20/2018 4:00	68.60	1134	5	0.40
6/20/2018 5:00	68.30	2446	19	0.80
6/20/2018 6:00	67.40	3841	69	1.80
6/20/2018 7:00	65.70	5591	115	2.10
6/20/2018 8:00	64.00	6941	164	2.40
6/20/2018 9:00	63.70	6530	139	2.10
6/20/2018 10:00	64.60	6234	95	1.50
6/20/2018 11:00	64.00	7219	157	2.20
6/20/2018 12:00	63.50	7365	196	2.70
6/20/2018 13:00	62.80	7419	182	2.50
6/20/2018 14:00	63.00	8705	267	3.10
6/20/2018 15:00	62.30	9206	312	3.40
6/20/2018 16:00	62.40	9130	267	2.90
6/20/2018 17:00	53.60	7864	580	7.40
6/20/2018 18:00	63.40	8734	314	3.60
6/20/2018 19:00	67.90	6400	150	2.30
6/20/2018 20:00	67.20	5038	102	2.00
6/20/2018 21:00	68.30	4237	90	2.10
6/20/2018 22:00	67.80	2916	21	0.70
6/20/2018 23:00	68.20	1948	11	0.60
6/21/2018 0:00	69.00	1296	8	0.60
6/21/2018 1:00	69.60	775	7	0.90
6/21/2018 2:00	68.90	904	4	0.40
6/21/2018 3:00	69.20	924	2	0.20
6/21/2018 4:00	68.80	1143	4	0.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/21/2018 5:00	68.50	2474	27	1.10
6/21/2018 6:00	66.80	4339	62	1.40
6/21/2018 7:00	64.70	5907	125	2.10
6/21/2018 8:00	64.30	6361	116	1.80
6/21/2018 9:00	63.60	6218	124	2.00
6/21/2018 10:00	62.90	6348	157	2.50
6/21/2018 11:00	62.60	7046	145	2.10
6/21/2018 12:00	62.40	7327	215	2.90
6/21/2018 13:00	63.60	7805	350	4.50
6/21/2018 14:00	63.30	9313	507	5.40
6/21/2018 15:00	62.50	9217	463	5.00
6/21/2018 16:00	60.80	9154	314	3.40
6/21/2018 17:00	44.60	8669	416	4.80
6/21/2018 18:00	59.50	9131	272	3.00
6/21/2018 19:00	64.30	7379	195	2.60
6/21/2018 20:00	66.90	5365	122	2.30
6/21/2018 21:00	67.90	4074	72	1.80
6/21/2018 22:00	68.40	3137	34	1.10
6/21/2018 23:00	68.30	2327	21	0.90
6/22/2018 0:00	68.80	1386	19	1.40
6/22/2018 1:00	69.00	811	2	0.20
6/22/2018 2:00	69.40	927	2	0.20
6/22/2018 3:00	68.90	967	7	0.70
6/22/2018 4:00	67.60	1254	9	0.70
6/22/2018 5:00	68.60	2571	24	0.90
6/22/2018 6:00	65.80	4153	56	1.30
6/22/2018 7:00	63.80	5927	138	2.30
6/22/2018 8:00	62.60	6528	147	2.30
6/22/2018 9:00	62.20	6427	144	2.20
6/22/2018 10:00	59.90	6723	158	2.40
6/22/2018 11:00	59.30	7578	204	2.70
6/22/2018 12:00	60.20	8111	243	3.00
6/22/2018 13:00	60.80	8343	273	3.30
6/22/2018 14:00	59.60	8775	292	3.30
6/22/2018 15:00	55.50	8936	530	5.90
6/22/2018 16:00	59.90	9348	309	3.30
6/22/2018 17:00	60.00	9274	285	3.10
6/22/2018 18:00	60.30	8645	294	3.40
6/22/2018 19:00	64.90	6496	168	2.60
6/22/2018 20:00	64.40	5609	189	3.40
6/22/2018 21:00	64.60	4981	151	3.00
6/22/2018 22:00	67.50	3560	63	1.80
6/22/2018 23:00	66.10	2802	61	2.20
6/23/2018 0:00	68.80	1756	19	1.10
6/23/2018 1:00	69.40	1014	4	0.40
6/23/2018 2:00	69.90	728	2	0.30
6/23/2018 3:00	69.20	916	7	0.80
6/23/2018 4:00	68.10	981	9	0.90
6/23/2018 5:00	68.90	1213	6	0.50
6/23/2018 6:00	67.60	2365	18	0.80
6/23/2018 7:00	67.70	3603	60	1.70
6/23/2018 8:00	61.80	4842	130	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/23/2018 9:00	65.30	5531	132	2.40
6/23/2018 10:00	64.50	6216	167	2.70
6/23/2018 11:00	64.80	6722	170	2.50
6/23/2018 12:00	64.50	7097	208	2.90
6/23/2018 13:00	64.50	7179	187	2.60
6/23/2018 14:00	64.50	7057	204	2.90
6/23/2018 15:00	65.30	6773	158	2.30
6/23/2018 16:00	66.00	6329	160	2.50
6/23/2018 17:00	66.10	6307	160	2.50
6/23/2018 18:00	66.70	5611	123	2.20
6/23/2018 19:00	67.70	4989	80	1.60
6/23/2018 20:00	67.70	4493	100	2.20
6/23/2018 21:00	67.50	3986	67	1.70
6/23/2018 22:00	68.70	3455	57	1.60
6/23/2018 23:00	68.80	2673	37	1.40
6/24/2018 0:00	69.80	11729	1	0.00
6/24/2018 1:00	73.60	8584	1	0.00
6/24/2018 2:00	75.40	7274	0	0.00
6/24/2018 3:00	76.80	5862	1	0.00
6/24/2018 4:00	75.50	6519	2	0.00
6/24/2018 5:00	77.60	9243	0	0.00
6/24/2018 6:00	71.10	12440	3	0.00
6/24/2018 7:00	65.10	14529	0	0.00
6/24/2018 8:00	59.10	16014	1	0.00
6/24/2018 9:00	53.90	17026	1	0.00
6/24/2018 10:00	49.70	17266	0	0.00
6/24/2018 11:00	47.20	16951	0	0.00
6/24/2018 12:00	45.30	16622	1	0.00
6/24/2018 13:00	44.80	16593	1	0.00
6/24/2018 14:00	45.10	16684	0	0.00
6/24/2018 15:00	44.80	16537	3	0.00
6/24/2018 16:00	46.20	16828	0	0.00
6/24/2018 17:00	47.10	16796	0	0.00
6/24/2018 18:00	50.10	16980	0	0.00
6/24/2018 19:00	51.80	16700	0	0.00
6/24/2018 20:00	55.20	16630	0	0.00
6/24/2018 21:00	71.90	15790	0	0.00
6/24/2018 22:00	73.80	14680	0	0.00
6/24/2018 23:00	73.60	12406	1	0.00
6/25/2018 0:00	69.50	1076	7	0.70
6/25/2018 1:00	69.90	722	1	0.10
6/25/2018 2:00	69.40	771	6	0.80
6/25/2018 3:00	69.40	790	2	0.30
6/25/2018 4:00	68.10	1183	8	0.70
6/25/2018 5:00	67.70	2534	24	0.90
6/25/2018 6:00	65.60	4384	79	1.80
6/25/2018 7:00	65.20	5863	133	2.30
6/25/2018 8:00	63.50	6614	145	2.20
6/25/2018 9:00	63.90	8876	230	2.60
6/25/2018 10:00	62.70	14033	47	0.30
6/25/2018 11:00	61.10	9031	150	1.70
6/25/2018 12:00	60.70	6758	170	2.50



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/25/2018 13:00	61.40	7064	156	2.20
6/25/2018 14:00	59.70	8551	262	3.10
6/25/2018 15:00	59.20	9090	303	3.30
6/25/2018 16:00	60.60	9326	288	3.10
6/25/2018 17:00	48.20	8839	848	9.60
6/25/2018 18:00	62.30	7977	213	2.70
6/25/2018 19:00	65.80	5782	116	2.00
6/25/2018 20:00	67.60	4583	85	1.90
6/25/2018 21:00	68.40	3703	53	1.40
6/25/2018 22:00	68.40	2769	28	1.00
6/25/2018 23:00	68.20	1705	10	0.60
6/26/2018 0:00	68.50	1375	8	0.60
6/26/2018 1:00	69.70	807	3	0.40
6/26/2018 2:00	68.90	898	5	0.60
6/26/2018 3:00	69.10	799	6	0.80
6/26/2018 4:00	68.40	1157	5	0.40
6/26/2018 5:00	68.80	2594	26	1.00
6/26/2018 6:00	66.60	4420	78	1.80
6/26/2018 7:00	65.10	5772	150	2.60
6/26/2018 8:00	64.60	6398	121	1.90
6/26/2018 9:00	63.30	6266	123	2.00
6/26/2018 10:00	63.70	6248	131	2.10
6/26/2018 11:00	63.20	6761	138	2.00
6/26/2018 12:00	63.20	7356	197	2.70
6/26/2018 13:00	63.60	7300	182	2.50
6/26/2018 14:00	62.60	8651	248	2.90
6/26/2018 15:00	60.70	9174	320	3.50
6/26/2018 16:00	51.70	8843	530	6.00
6/26/2018 17:00	62.10	9291	299	3.20
6/26/2018 18:00	61.70	9070	280	3.10
6/26/2018 19:00	66.90	6334	164	2.60
6/26/2018 20:00	67.10	4956	113	2.30
6/26/2018 21:00	68.50	3882	48	1.20
6/26/2018 22:00	68.00	2738	32	1.20
6/26/2018 23:00	68.40	1976	14	0.70
6/27/2018 0:00	68.40	1449	10	0.70
6/27/2018 1:00	69.50	757	1	0.10
6/27/2018 2:00	69.00	877	4	0.50
6/27/2018 3:00	69.50	811	3	0.40
6/27/2018 4:00	68.20	1170	5	0.40
6/27/2018 5:00	67.40	2527	18	0.70
6/27/2018 6:00	67.30	4514	80	1.80
6/27/2018 7:00	65.50	5773	102	1.80
6/27/2018 8:00	65.50	6445	100	1.60
6/27/2018 9:00	64.60	6185	131	2.10
6/27/2018 10:00	63.90	6094	125	2.10
6/27/2018 11:00	64.40	6424	136	2.10
6/27/2018 12:00	64.20	7154	165	2.30
6/27/2018 13:00	64.20	6278	161	2.60
6/27/2018 14:00	62.10	8720	254	2.90
6/27/2018 15:00	61.80	9099	299	3.30
6/27/2018 16:00	56.40	8851	495	5.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/27/2018 17:00	56.30	9307	428	4.60
6/27/2018 18:00	63.00	8771	276	3.10
6/27/2018 19:00	68.10	6141	119	1.90
6/27/2018 20:00	67.20	5052	119	2.40
6/27/2018 21:00	67.90	4371	96	2.20
6/27/2018 22:00	68.70	3120	48	1.50
6/27/2018 23:00	68.40	2295	22	1.00
6/28/2018 0:00	69.00	1230	10	0.80
6/28/2018 1:00	69.60	739	4	0.50
6/28/2018 2:00	68.90	937	11	1.20
6/28/2018 3:00	68.90	890	5	0.60
6/28/2018 4:00	68.00	1177	4	0.30
6/28/2018 5:00	68.50	2473	17	0.70
6/28/2018 6:00	65.80	4374	76	1.70
6/28/2018 7:00	65.90	5931	123	2.10
6/28/2018 8:00	64.10	6476	150	2.30
6/28/2018 9:00	62.60	6420	165	2.60
6/28/2018 10:00	62.80	6227	136	2.20
6/28/2018 11:00	62.50	6833	107	1.60
6/28/2018 12:00	62.20	7378	188	2.50
6/28/2018 13:00	62.10	7325	209	2.90
6/28/2018 14:00	60.40	8709	258	3.00
6/28/2018 15:00	61.00	9120	285	3.10
6/28/2018 16:00	60.20	9288	349	3.80
6/28/2018 17:00	62.20	9101	286	3.10
6/28/2018 18:00	62.00	8666	241	2.80
6/28/2018 19:00	66.00	6672	180	2.70
6/28/2018 20:00	66.50	5488	138	2.50
6/28/2018 21:00	67.20	4429	78	1.80
6/28/2018 22:00	67.40	3346	49	1.50
6/28/2018 23:00	67.40	2202	25	1.10
6/29/2018 0:00	68.70	1480	11	0.70
6/29/2018 1:00	69.00	921	10	1.10
6/29/2018 2:00	69.30	890	2	0.20
6/29/2018 3:00	69.10	934	6	0.60
6/29/2018 4:00	68.50	1162	3	0.30
6/29/2018 5:00	68.70	2575	24	0.90
6/29/2018 6:00	66.30	4222	56	1.30
6/29/2018 7:00	65.60	5884	116	2.00
6/29/2018 8:00	63.50	6543	165	2.50
6/29/2018 9:00	64.60	6458	126	2.00
6/29/2018 10:00	62.90	6106	161	2.60
6/29/2018 11:00	63.50	6334	164	2.60
6/29/2018 12:00	62.90	7714	189	2.50
6/29/2018 13:00	62.60	8500	257	3.00
6/29/2018 14:00	61.40	9100	286	3.10
6/29/2018 15:00	59.90	9009	355	3.90
6/29/2018 16:00	61.40	9280	281	3.00
6/29/2018 17:00	54.50	8905	230	2.60
6/29/2018 18:00	62.60	8465	258	3.00
6/29/2018 19:00	67.20	6444	159	2.50
6/29/2018 20:00	66.70	5233	111	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/29/2018 21:00	68.00	4403	66	1.50
6/29/2018 22:00	68.20	3753	46	1.20
6/29/2018 23:00	68.50	2794	22	0.80
6/30/2018 0:00	68.80	1814	15	0.80
6/30/2018 1:00	69.10	1289	8	0.60
6/30/2018 2:00	69.60	906	4	0.40
6/30/2018 3:00	69.10	858	3	0.30
6/30/2018 4:00	68.20	1074	12	1.10
6/30/2018 5:00	68.20	1213	12	1.00
6/30/2018 6:00	68.20	2309	25	1.10
6/30/2018 7:00	67.30	3330	42	1.30
6/30/2018 8:00	65.80	4764	94	2.00
6/30/2018 9:00	65.30	5674	144	2.50
6/30/2018 10:00	65.60	6336	143	2.30
6/30/2018 11:00	65.40	6550	155	2.40
6/30/2018 12:00	64.40	6893	195	2.80
6/30/2018 13:00	64.30	7084	188	2.70
6/30/2018 14:00	64.50	7060	170	2.40
6/30/2018 15:00	64.00	7246	211	2.90
6/30/2018 16:00	64.50	6807	186	2.70
6/30/2018 17:00	65.20	6823	190	2.80
6/30/2018 18:00	66.50	6082	112	1.80
6/30/2018 19:00	67.70	5015	105	2.10
6/30/2018 20:00	67.40	4402	85	1.90
6/30/2018 21:00	68.20	4143	73	1.80
6/30/2018 22:00	68.50	3669	56	1.50
6/30/2018 23:00	69.10	2782	41	1.50
7/01/2018 0:00	69.00	1716	7	0.40
7/01/2018 1:00	68.90	1203	7	0.60
7/01/2018 2:00	69.10	1059	4	0.40
7/01/2018 3:00	69.10	941	5	0.50
7/01/2018 4:00	68.60	937	14	1.50
7/01/2018 5:00	69.00	981	0	0.00
7/01/2018 6:00	69.00	1446	5	0.30
7/01/2018 7:00	68.40	2217	20	0.90
7/01/2018 8:00	68.50	3101	46	1.50
7/01/2018 9:00	67.70	4300	86	2.00
7/01/2018 10:00	65.60	5382	133	2.50
7/01/2018 11:00	64.60	5830	164	2.80
7/01/2018 12:00	64.40	5986	155	2.60
7/01/2018 13:00	65.10	5868	145	2.50
7/01/2018 14:00	65.20	6008	170	2.80
7/01/2018 15:00	65.10	5650	136	2.40
7/01/2018 16:00	64.90	5597	160	2.90
7/01/2018 17:00	65.30	5202	115	2.20
7/01/2018 18:00	66.50	4794	106	2.20
7/01/2018 19:00	67.80	4373	78	1.80
7/01/2018 20:00	67.80	3849	52	1.40
7/01/2018 21:00	68.30	3304	63	1.90
7/01/2018 22:00	68.10	2721	35	1.30
7/01/2018 23:00	68.50	2256	23	1.00
7/02/2018 0:00	68.60	1444	12	0.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/02/2018 1:00	68.60	1020	4	0.40
7/02/2018 2:00	69.10	893	0	0.00
7/02/2018 3:00	69.50	822	5	0.60
7/02/2018 4:00	68.30	1216	4	0.30
7/02/2018 5:00	68.60	2549	27	1.10
7/02/2018 6:00	65.40	4379	66	1.50
7/02/2018 7:00	65.00	5739	114	2.00
7/02/2018 8:00	62.40	6241	144	2.30
7/02/2018 9:00	61.60	5989	114	1.90
7/02/2018 10:00	60.60	6337	181	2.90
7/02/2018 11:00	60.40	6455	167	2.60
7/02/2018 12:00	61.30	6892	198	2.90
7/02/2018 13:00	60.50	6518	170	2.60
7/02/2018 14:00	60.40	8538	251	2.90
7/02/2018 15:00	58.80	9199	370	4.00
7/02/2018 16:00	56.30	9266	351	3.80
7/02/2018 17:00	47.60	8273	471	5.70
7/02/2018 18:00	63.30	7665	225	2.90
7/02/2018 19:00	66.00	5715	137	2.40
7/02/2018 20:00	66.80	4502	82	1.80
7/02/2018 21:00	67.50	3610	52	1.40
7/02/2018 22:00	67.60	2749	38	1.40
7/02/2018 23:00	67.30	2093	22	1.10
7/03/2018 0:00	69.50	1240	6	0.50
7/03/2018 1:00	69.40	906	1	0.10
7/03/2018 2:00	69.00	919	7	0.80
7/03/2018 3:00	69.20	798	5	0.60
7/03/2018 4:00	67.40	1169	8	0.70
7/03/2018 5:00	67.70	2447	30	1.20
7/03/2018 6:00	67.50	4445	92	2.10
7/03/2018 7:00	66.20	5828	127	2.20
7/03/2018 8:00	64.40	6493	163	2.50
7/03/2018 9:00	64.10	6250	144	2.30
7/03/2018 10:00	64.70	6087	115	1.90
7/03/2018 11:00	63.30	7126	160	2.20
7/03/2018 12:00	63.70	7442	208	2.80
7/03/2018 13:00	63.80	8060	226	2.80
7/03/2018 14:00	62.00	9081	277	3.10
7/03/2018 15:00	62.30	8959	293	3.30
7/03/2018 16:00	54.20	9003	448	5.00
7/03/2018 17:00	61.80	9338	278	3.00
7/03/2018 18:00	63.10	8322	235	2.80
7/03/2018 19:00	68.40	6077	136	2.20
7/03/2018 20:00	67.70	5032	93	1.80
7/03/2018 21:00	67.80	4344	64	1.50
7/03/2018 22:00	67.80	3459	52	1.50
7/03/2018 23:00	69.30	2421	14	0.60
7/04/2018 0:00	69.70	1578	10	0.60
7/04/2018 1:00	69.50	923	3	0.30
7/04/2018 2:00	70.30	723	0	0.00
7/04/2018 3:00	69.70	888	1	0.10
7/04/2018 4:00	68.70	993	4	0.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/04/2018 5:00	69.00	1125	4	0.40
7/04/2018 6:00	68.70	1732	7	0.40
7/04/2018 7:00	68.30	2320	14	0.60
7/04/2018 8:00	67.70	2870	24	0.80
7/04/2018 9:00	67.40	3757	43	1.10
7/04/2018 10:00	66.50	4534	67	1.50
7/04/2018 11:00	66.60	4791	83	1.70
7/04/2018 12:00	66.10	5040	113	2.20
7/04/2018 13:00	67.30	5164	116	2.20
7/04/2018 14:00	67.50	5055	103	2.00
7/04/2018 15:00	66.90	4856	97	2.00
7/04/2018 16:00	67.30	4312	73	1.70
7/04/2018 17:00	67.00	3948	58	1.50
7/04/2018 18:00	67.60	3854	75	1.90
7/04/2018 19:00	67.50	3776	64	1.70
7/04/2018 20:00	68.80	3644	73	2.00
7/04/2018 21:00	69.20	2833	40	1.40
7/04/2018 22:00	69.00	3184	36	1.10
7/04/2018 23:00	69.50	2321	25	1.10
7/05/2018 0:00	47.90	10123	0	0.00
7/05/2018 1:00	74.30	6624	0	0.00
7/05/2018 2:00	75.10	5505	1	0.00
7/05/2018 3:00	72.20	6471	2	0.00
7/05/2018 4:00	69.30	11464	3	0.00
7/05/2018 5:00	56.40	12757	2	0.00
7/05/2018 6:00	66.50	4361	54	1.20
7/05/2018 7:00	64.60	5408	129	2.40
7/05/2018 8:00	62.50	6792	142	2.10
7/05/2018 9:00	60.80	10244	79	0.80
7/05/2018 10:00	60.40	13806	46	0.30
7/05/2018 11:00	57.00	13926	25	0.20
7/05/2018 12:00	56.20	15234	0	0.00
7/05/2018 13:00	55.20	14299	18	0.10
7/05/2018 14:00	59.30	9909	150	1.50
7/05/2018 15:00	61.50	8493	218	2.60
7/05/2018 16:00	61.90	7645	171	2.20
7/05/2018 17:00	61.90	7695	186	2.40
7/05/2018 18:00	60.20	14846	38	0.30
7/05/2018 19:00	65.90	16796	0	0.00
7/05/2018 20:00	71.80	16473	0	0.00
7/05/2018 21:00	77.30	15631	0	0.00
7/05/2018 22:00	82.20	14727	0	0.00
7/05/2018 23:00	79.90	12446	0	0.00
7/06/2018 0:00	69.40	1249	7	0.60
7/06/2018 1:00	68.80	840	10	1.20
7/06/2018 2:00	69.10	917	3	0.30
7/06/2018 3:00	68.80	883	5	0.60
7/06/2018 4:00	69.30	1034	6	0.60
7/06/2018 5:00	68.80	2535	27	1.10
7/06/2018 6:00	66.80	3521	53	1.50
7/06/2018 7:00	64.80	5539	108	1.90
7/06/2018 8:00	62.90	6227	186	3.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/06/2018 9:00	62.90	6773	253	3.70
7/06/2018 10:00	62.90	6844	319	4.70
7/06/2018 11:00	63.40	7067	314	4.40
7/06/2018 12:00	62.00	7664	228	3.00
7/06/2018 13:00	62.80	7514	366	4.90
7/06/2018 14:00	63.30	8920	288	3.20
7/06/2018 15:00	64.00	8634	255	3.00
7/06/2018 16:00	62.60	8907	259	2.90
7/06/2018 17:00	63.20	8950	272	3.00
7/06/2018 18:00	64.10	7577	207	2.70
7/06/2018 19:00	67.10	6087	144	2.40
7/06/2018 20:00	66.50	4990	106	2.10
7/06/2018 21:00	68.20	4157	56	1.30
7/06/2018 22:00	68.00	3619	32	0.90
7/06/2018 23:00	68.30	2708	26	1.00
7/07/2018 0:00	46.00	8440	0	0.00
7/07/2018 1:00	72.60	6485	0	0.00
7/07/2018 2:00	76.00	5073	0	0.00
7/07/2018 3:00	73.30	4489	0	0.00
7/07/2018 4:00	71.80	5443	2	0.00
7/07/2018 5:00	68.50	7913	1	0.00
7/07/2018 6:00	65.40	10613	2	0.00
7/07/2018 7:00	60.30	11767	0	0.00
7/07/2018 8:00	55.80	12592	0	0.00
7/07/2018 9:00	51.70	12421	0	0.00
7/07/2018 10:00	50.40	12699	1	0.00
7/07/2018 11:00	49.30	12533	4	0.00
7/07/2018 12:00	49.40	12433	0	0.00
7/07/2018 13:00	49.50	12414	0	0.00
7/07/2018 14:00	48.90	12368	0	0.00
7/07/2018 15:00	49.80	12472	0	0.00
7/07/2018 16:00	52.00	12930	0	0.00
7/07/2018 17:00	52.30	12701	2	0.00
7/07/2018 18:00	53.60	12995	0	0.00
7/07/2018 19:00	57.00	12111	0	0.00
7/07/2018 20:00	57.80	11683	0	0.00
7/07/2018 21:00	70.70	11467	0	0.00
7/07/2018 22:00	76.10	11230	0	0.00
7/07/2018 23:00	63.80	10144	0	0.00
7/08/2018 0:00	68.80	1773	16	0.90
7/08/2018 1:00	69.30	1011	6	0.60
7/08/2018 2:00	68.90	1036	4	0.40
7/08/2018 3:00	69.30	958	3	0.30
7/08/2018 4:00	68.80	911	6	0.70
7/08/2018 5:00	69.10	1063	4	0.40
7/08/2018 6:00	68.60	1494	7	0.50
7/08/2018 7:00	67.40	2256	30	1.30
7/08/2018 8:00	67.60	3272	55	1.70
7/08/2018 9:00	67.40	4354	96	2.20
7/08/2018 10:00	65.60	5131	119	2.30
7/08/2018 11:00	65.30	5365	117	2.20
7/08/2018 12:00	64.10	6003	156	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/08/2018 13:00	64.30	5724	135	2.40
7/08/2018 14:00	65.30	5755	145	2.50
7/08/2018 15:00	65.40	5469	125	2.30
7/08/2018 16:00	65.10	5506	161	2.90
7/08/2018 17:00	65.50	5054	125	2.50
7/08/2018 18:00	66.50	4837	112	2.30
7/08/2018 19:00	68.50	4392	101	2.30
7/08/2018 20:00	67.60	3836	74	1.90
7/08/2018 21:00	67.90	3468	41	1.20
7/08/2018 22:00	67.40	2725	23	0.80
7/08/2018 23:00	68.20	1914	11	0.60
7/09/2018 0:00	73.20	8774	0	0.00
7/09/2018 1:00	76.20	6543	0	0.00
7/09/2018 2:00	75.00	5695	2	0.00
7/09/2018 3:00	72.30	6976	2	0.00
7/09/2018 4:00	66.30	11790	3	0.00
7/09/2018 5:00	59.40	13131	25	0.20
7/09/2018 6:00	65.00	5780	84	1.50
7/09/2018 7:00	63.60	5233	118	2.30
7/09/2018 8:00	62.20	6367	186	2.90
7/09/2018 9:00	64.30	7209	193	2.70
7/09/2018 10:00	62.80	6471	369	5.70
7/09/2018 11:00	62.30	7443	418	5.60
7/09/2018 12:00	62.30	7766	420	5.40
7/09/2018 13:00	62.30	7885	432	5.50
7/09/2018 14:00	61.50	8753	509	5.80
7/09/2018 15:00	61.30	8929	517	5.80
7/09/2018 16:00	60.50	8795	568	6.50
7/09/2018 17:00	58.30	8597	1023	11.90
7/09/2018 18:00	64.60	7408	525	7.10
7/09/2018 19:00	67.90	5562	277	5.00
7/09/2018 20:00	67.50	4604	234	5.10
7/09/2018 21:00	68.70	3870	183	4.70
7/09/2018 22:00	69.30	2808	121	4.30
7/09/2018 23:00	69.50	1693	58	3.40
7/10/2018 0:00	70.00	890	12	1.30
7/10/2018 1:00	70.20	518	3	0.60
7/10/2018 2:00	69.40	516	4	0.80
7/10/2018 3:00	69.80	515	5	1.00
7/10/2018 4:00	70.30	1127	24	2.10
7/10/2018 5:00	71.30	3537	71	2.00
7/10/2018 6:00	67.30	6588	167	2.50
7/10/2018 7:00	65.40	7577	129	1.70
7/10/2018 8:00	64.10	7922	232	2.90
7/10/2018 9:00	64.00	7930	408	5.10
7/10/2018 10:00	63.60	7424	395	5.30
7/10/2018 11:00	63.80	7830	420	5.40
7/10/2018 12:00	63.90	8141	457	5.60
7/10/2018 13:00	63.90	8333	480	5.80
7/10/2018 14:00	63.40	9058	503	5.60
7/10/2018 15:00	62.80	9110	503	5.50
7/10/2018 16:00	60.10	8891	682	7.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/10/2018 17:00	59.50	9005	964	10.70
7/10/2018 18:00	63.90	8223	700	8.50
7/10/2018 19:00	68.00	6105	347	5.70
7/10/2018 20:00	68.10	4937	236	4.80
7/10/2018 21:00	69.30	4150	196	4.70
7/10/2018 22:00	69.40	2973	131	4.40
7/10/2018 23:00	69.50	1852	67	3.60
7/11/2018 0:00	69.80	990	17	1.70
7/11/2018 1:00	71.30	398	0	0.00
7/11/2018 2:00	69.60	511	0	0.00
7/11/2018 3:00	69.50	529	0	0.00
7/11/2018 4:00	70.50	1105	20	1.80
7/11/2018 5:00	71.40	3443	64	1.90
7/11/2018 6:00	67.40	6462	167	2.60
7/11/2018 7:00	65.80	7413	143	1.90
7/11/2018 8:00	65.30	7839	238	3.00
7/11/2018 9:00	64.60	7779	342	4.40
7/11/2018 10:00	64.50	7288	386	5.30
7/11/2018 11:00	64.30	7678	404	5.30
7/11/2018 12:00	64.20	8030	418	5.20
7/11/2018 13:00	64.60	7869	400	5.10
7/11/2018 14:00	63.90	8877	498	5.60
7/11/2018 15:00	63.60	9079	468	5.20
7/11/2018 16:00	61.50	8597	659	7.70
7/11/2018 17:00	59.40	8683	854	9.80
7/11/2018 18:00	65.80	7895	568	7.20
7/11/2018 19:00	68.60	5885	330	5.60
7/11/2018 20:00	68.20	4949	271	5.50
7/11/2018 21:00	69.20	4263	214	5.00
7/11/2018 22:00	69.60	3105	159	5.10
7/11/2018 23:00	69.50	1956	80	4.10
7/12/2018 0:00	47.70	10069	0	0.00
7/12/2018 1:00	74.30	6623	0	0.00
7/12/2018 2:00	75.00	5542	0	0.00
7/12/2018 3:00	72.20	6491	1	0.00
7/12/2018 4:00	69.30	11478	1	0.00
7/12/2018 5:00	56.90	13105	15	0.10
7/12/2018 6:00	66.90	6826	153	2.20
7/12/2018 7:00	65.70	7589	162	2.10
7/12/2018 8:00	64.40	8352	233	2.80
7/12/2018 9:00	61.70	11358	225	2.00
7/12/2018 10:00	60.40	14185	90	0.60
7/12/2018 11:00	57.60	14300	81	0.60
7/12/2018 12:00	56.30	15337	0	0.00
7/12/2018 13:00	55.20	14594	39	0.30
7/12/2018 14:00	59.80	10551	396	3.80
7/12/2018 15:00	61.70	8986	340	3.80
7/12/2018 16:00	60.70	7874	209	2.70
7/12/2018 17:00	61.80	7835	259	3.30
7/12/2018 18:00	59.80	15340	48	0.30
7/12/2018 19:00	65.60	17273	0	0.00
7/12/2018 20:00	71.60	16751	0	0.00



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/12/2018 21:00	77.10	15863	0	0.00
7/12/2018 22:00	81.90	14906	0	0.00
7/12/2018 23:00	79.80	12580	0	0.00
7/13/2018 0:00	68.90	1614	17	1.10
7/13/2018 1:00	68.80	1171	2	0.20
7/13/2018 2:00	68.70	1095	2	0.20
7/13/2018 3:00	68.80	1044	5	0.50
7/13/2018 4:00	67.70	1438	22	1.50
7/13/2018 5:00	68.30	2601	26	1.00
7/13/2018 6:00	68.30	4325	63	1.50
7/13/2018 7:00	65.10	6107	167	2.70
7/13/2018 8:00	63.50	6716	171	2.50
7/13/2018 9:00	63.20	6641	163	2.50
7/13/2018 10:00	62.80	6438	157	2.40
7/13/2018 11:00	61.60	7681	252	3.30
7/13/2018 12:00	62.40	7991	223	2.80
7/13/2018 13:00	62.00	8269	246	3.00
7/13/2018 14:00	60.80	8760	284	3.20
7/13/2018 15:00	61.40	9297	326	3.50
7/13/2018 16:00	49.40	8609	349	4.10
7/13/2018 17:00	48.00	8841	209	2.40
7/13/2018 18:00	60.30	8821	279	3.20
7/13/2018 19:00	64.30	7461	209	2.80
7/13/2018 20:00	63.60	5853	192	3.30
7/13/2018 21:00	67.10	4610	70	1.50
7/13/2018 22:00	68.40	3740	37	1.00
7/13/2018 23:00	69.00	2729	23	0.80
7/14/2018 0:00	69.00	1782	16	0.90
7/14/2018 1:00	68.60	1404	3	0.20
7/14/2018 2:00	69.60	768	1	0.10
7/14/2018 3:00	68.90	968	3	0.30
7/14/2018 4:00	68.30	983	3	0.30
7/14/2018 5:00	69.00	1263	8	0.60
7/14/2018 6:00	68.90	2345	26	1.10
7/14/2018 7:00	68.30	3626	44	1.20
7/14/2018 8:00	67.40	4894	86	1.80
7/14/2018 9:00	64.70	6149	126	2.00
7/14/2018 10:00	64.70	6693	158	2.40
7/14/2018 11:00	64.90	6924	164	2.40
7/14/2018 12:00	65.10	7191	228	3.20
7/14/2018 13:00	65.00	7028	165	2.30
7/14/2018 14:00	64.40	7063	179	2.50
7/14/2018 15:00	64.00	6989	208	3.00
7/14/2018 16:00	64.60	7098	168	2.40
7/14/2018 17:00	65.50	6608	167	2.50
7/14/2018 18:00	66.30	5873	146	2.50
7/14/2018 19:00	67.30	5085	121	2.40
7/14/2018 20:00	66.70	4534	108	2.40
7/14/2018 21:00	67.80	4036	74	1.80
7/14/2018 22:00	68.30	3540	59	1.70
7/14/2018 23:00	68.30	2622	25	1.00
7/15/2018 0:00	74.00	8806	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/15/2018 1:00	75.20	6827	2	0.00
7/15/2018 2:00	75.00	5638	3	0.10
7/15/2018 3:00	74.00	4531	4	0.10
7/15/2018 4:00	74.30	4810	2	0.00
7/15/2018 5:00	73.80	6344	1	0.00
7/15/2018 6:00	71.20	8858	2	0.00
7/15/2018 7:00	65.50	11200	0	0.00
7/15/2018 8:00	61.50	12015	1	0.00
7/15/2018 9:00	55.70	12466	7	0.10
7/15/2018 10:00	50.30	13268	3	0.00
7/15/2018 11:00	47.70	13566	0	0.00
7/15/2018 12:00	45.60	16563	0	0.00
7/15/2018 13:00	45.20	16458	0	0.00
7/15/2018 14:00	45.60	16551	0	0.00
7/15/2018 15:00	45.50	16465	1	0.00
7/15/2018 16:00	46.90	16671	0	0.00
7/15/2018 17:00	47.90	16690	0	0.00
7/15/2018 18:00	50.60	16926	0	0.00
7/15/2018 19:00	52.50	16766	0	0.00
7/15/2018 20:00	55.00	16645	0	0.00
7/15/2018 21:00	73.30	15922	0	0.00
7/15/2018 22:00	76.40	14609	0	0.00
7/15/2018 23:00	73.20	12423	0	0.00
7/16/2018 0:00	73.20	8689	0	0.00
7/16/2018 1:00	76.20	6521	0	0.00
7/16/2018 2:00	75.00	5692	0	0.00
7/16/2018 3:00	72.40	6956	0	0.00
7/16/2018 4:00	66.40	11776	1	0.00
7/16/2018 5:00	59.00	11918	27	0.20
7/16/2018 6:00	66.80	7188	182	2.50
7/16/2018 7:00	66.20	6650	117	1.80
7/16/2018 8:00	63.90	6985	193	2.80
7/16/2018 9:00	63.90	7822	275	3.50
7/16/2018 10:00	62.30	6741	365	5.40
7/16/2018 11:00	62.20	7470	425	5.70
7/16/2018 12:00	62.40	7738	422	5.50
7/16/2018 13:00	62.50	7831	423	5.40
7/16/2018 14:00	61.60	8673	500	5.80
7/16/2018 15:00	61.20	8927	518	5.80
7/16/2018 16:00	61.30	8782	475	5.40
7/16/2018 17:00	55.90	8570	1107	12.90
7/16/2018 18:00	64.60	7421	513	6.90
7/16/2018 19:00	67.60	5553	278	5.00
7/16/2018 20:00	67.60	4580	237	5.20
7/16/2018 21:00	68.80	3851	186	4.80
7/16/2018 22:00	69.30	2808	115	4.10
7/16/2018 23:00	69.50	1675	67	4.00
7/17/2018 0:00	69.80	933	18	1.90
7/17/2018 1:00	70.30	517	6	1.20
7/17/2018 2:00	69.30	522	8	1.50
7/17/2018 3:00	69.90	505	9	1.80
7/17/2018 4:00	70.40	1105	25	2.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/17/2018 5:00	71.30	3519	77	2.20
7/17/2018 6:00	67.40	6594	170	2.60
7/17/2018 7:00	65.40	7552	129	1.70
7/17/2018 8:00	64.20	7888	230	2.90
7/17/2018 9:00	64.00	7888	396	5.00
7/17/2018 10:00	63.90	7368	376	5.10
7/17/2018 11:00	64.00	7807	429	5.50
7/17/2018 12:00	64.00	8122	457	5.60
7/17/2018 13:00	64.10	8303	466	5.60
7/17/2018 14:00	63.50	9061	499	5.50
7/17/2018 15:00	62.90	9084	514	5.70
7/17/2018 16:00	58.40	8856	725	8.20
7/17/2018 17:00	63.50	9110	514	5.60
7/17/2018 18:00	64.40	8170	639	7.80
7/17/2018 19:00	68.30	5957	336	5.60
7/17/2018 20:00	68.20	4883	228	4.70
7/17/2018 21:00	69.40	4120	193	4.70
7/17/2018 22:00	69.40	2953	137	4.60
7/17/2018 23:00	69.50	1873	75	4.00
7/18/2018 0:00	69.10	1278	6	0.50
7/18/2018 1:00	69.00	1077	5	0.50
7/18/2018 2:00	68.80	895	0	0.00
7/18/2018 3:00	68.70	862	3	0.30
7/18/2018 4:00	67.00	1151	13	1.10
7/18/2018 5:00	67.30	2574	26	1.00
7/18/2018 6:00	66.30	4384	62	1.40
7/18/2018 7:00	65.30	6150	149	2.40
7/18/2018 8:00	63.10	6826	177	2.60
7/18/2018 9:00	63.20	6380	156	2.40
7/18/2018 10:00	61.70	6424	164	2.60
7/18/2018 11:00	62.10	6955	156	2.20
7/18/2018 12:00	62.30	7311	183	2.50
7/18/2018 13:00	60.90	7526	210	2.80
7/18/2018 14:00	60.10	8730	282	3.20
7/18/2018 15:00	60.00	9232	283	3.10
7/18/2018 16:00	58.60	9209	258	2.80
7/18/2018 17:00	49.80	9487	215	2.30
7/18/2018 18:00	61.10	9255	270	2.90
7/18/2018 19:00	63.70	7926	181	2.30
7/18/2018 20:00	65.80	5323	137	2.60
7/18/2018 21:00	67.30	4272	75	1.80
7/18/2018 22:00	67.80	3066	30	1.00
7/18/2018 23:00	68.10	2041	23	1.10
7/19/2018 0:00	68.70	1387	11	0.80
7/19/2018 1:00	69.60	723	4	0.60
7/19/2018 2:00	69.10	940	1	0.10
7/19/2018 3:00	69.20	928	7	0.80
7/19/2018 4:00	68.50	1164	2	0.20
7/19/2018 5:00	69.00	2595	18	0.70
7/19/2018 6:00	65.90	4379	81	1.80
7/19/2018 7:00	66.10	6046	110	1.80
7/19/2018 8:00	63.70	6703	179	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/19/2018 9:00	62.20	6637	164	2.50
7/19/2018 10:00	62.30	6625	147	2.20
7/19/2018 11:00	62.30	6942	143	2.10
7/19/2018 12:00	61.40	7540	197	2.60
7/19/2018 13:00	61.60	7484	198	2.60
7/19/2018 14:00	60.70	8532	261	3.10
7/19/2018 15:00	61.50	8936	261	2.90
7/19/2018 16:00	61.30	9248	272	2.90
7/19/2018 17:00	61.00	9315	283	3.00
7/19/2018 18:00	60.20	9276	310	3.30
7/19/2018 19:00	63.90	7292	220	3.00
7/19/2018 20:00	65.40	5116	122	2.40
7/19/2018 21:00	67.80	4442	68	1.50
7/19/2018 22:00	68.50	3170	29	0.90
7/19/2018 23:00	68.10	2325	29	1.20
7/20/2018 0:00	67.10	685	7	1.00
7/20/2018 1:00	66.40	500	5	1.00
7/20/2018 2:00	66.50	499	1	0.20
7/20/2018 3:00	68.50	666	2	0.30
7/20/2018 4:00	68.30	1166	3	0.30
7/20/2018 5:00	68.40	2480	21	0.80
7/20/2018 6:00	67.00	4312	67	1.60
7/20/2018 7:00	64.00	6019	147	2.40
7/20/2018 8:00	63.60	6919	176	2.50
7/20/2018 9:00	62.70	6611	136	2.10
7/20/2018 10:00	63.00	6777	192	2.80
7/20/2018 11:00	62.90	7466	188	2.50
7/20/2018 12:00	63.00	8043	219	2.70
7/20/2018 13:00	62.00	8192	273	3.30
7/20/2018 14:00	61.50	8846	248	2.80
7/20/2018 15:00	55.90	8758	462	5.30
7/20/2018 16:00	56.20	9209	313	3.40
7/20/2018 17:00	54.90	9134	417	4.60
7/20/2018 18:00	61.30	8901	292	3.30
7/20/2018 19:00	65.80	6218	177	2.80
7/20/2018 20:00	66.30	5289	132	2.50
7/20/2018 21:00	68.00	4334	72	1.70
7/20/2018 22:00	67.80	3942	59	1.50
7/20/2018 23:00	67.80	2789	30	1.10
7/21/2018 0:00	68.30	1871	17	0.90
7/21/2018 1:00	68.20	1288	5	0.40
7/21/2018 2:00	68.50	1131	5	0.40
7/21/2018 3:00	69.20	981	5	0.50
7/21/2018 4:00	68.50	996	4	0.40
7/21/2018 5:00	68.90	1400	4	0.30
7/21/2018 6:00	68.70	2312	16	0.70
7/21/2018 7:00	67.70	3707	62	1.70
7/21/2018 8:00	65.90	4836	86	1.80
7/21/2018 9:00	65.20	5813	111	1.90
7/21/2018 10:00	64.80	6958	201	2.90
7/21/2018 11:00	65.10	6984	176	2.50
7/21/2018 12:00	65.00	7164	190	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/21/2018 13:00	64.80	7067	168	2.40
7/21/2018 14:00	64.80	7050	180	2.60
7/21/2018 15:00	65.80	6677	135	2.00
7/21/2018 16:00	66.10	6505	158	2.40
7/21/2018 17:00	66.10	6258	165	2.60
7/21/2018 18:00	66.60	5927	174	2.90
7/21/2018 19:00	67.00	4991	138	2.80
7/21/2018 20:00	66.70	4537	87	1.90
7/21/2018 21:00	67.30	4126	88	2.10
7/21/2018 22:00	68.10	3646	73	2.00
7/21/2018 23:00	68.30	2616	22	0.80
7/22/2018 0:00	63.50	12860	0	0.00
7/22/2018 1:00	74.40	9978	1	0.00
7/22/2018 2:00	75.00	7724	1	0.00
7/22/2018 3:00	71.00	3704	0	0.00
7/22/2018 4:00	67.50	1809	0	0.00
7/22/2018 5:00	70.40	6830	2	0.00
7/22/2018 6:00	71.00	8009	2	0.00
7/22/2018 7:00	68.00	14810	0	0.00
7/22/2018 8:00	63.00	16468	7	0.00
7/22/2018 9:00	54.40	17018	0	0.00
7/22/2018 10:00	48.50	16802	0	0.00
7/22/2018 11:00	47.00	16668	4	0.00
7/22/2018 12:00	44.60	16023	0	0.00
7/22/2018 13:00	44.20	15717	0	0.00
7/22/2018 14:00	44.00	15507	1	0.00
7/22/2018 15:00	44.70	15650	0	0.00
7/22/2018 16:00	45.30	15601	0	0.00
7/22/2018 17:00	45.90	15791	0	0.00
7/22/2018 18:00	47.80	15980	0	0.00
7/22/2018 19:00	50.20	15904	0	0.00
7/22/2018 20:00	51.60	15724	2	0.00
7/22/2018 21:00	74.80	15677	0	0.00
7/22/2018 22:00	82.60	14473	0	0.00
7/22/2018 23:00	72.80	12384	0	0.00
7/23/2018 0:00	69.10	1170	12	1.00
7/23/2018 1:00	69.30	850	10	1.20
7/23/2018 2:00	69.30	889	6	0.70
7/23/2018 3:00	69.40	856	7	0.80
7/23/2018 4:00	67.90	1229	10	0.80
7/23/2018 5:00	68.50	2597	24	0.90
7/23/2018 6:00	66.10	4295	82	1.90
7/23/2018 7:00	64.60	5955	157	2.60
7/23/2018 8:00	62.90	6357	166	2.60
7/23/2018 9:00	62.90	6153	125	2.00
7/23/2018 10:00	62.40	6208	164	2.60
7/23/2018 11:00	63.10	6635	163	2.50
7/23/2018 12:00	62.50	6900	205	3.00
7/23/2018 13:00	62.20	7156	212	3.00
7/23/2018 14:00	61.30	8576	251	2.90
7/23/2018 15:00	62.00	8781	290	3.30
7/23/2018 16:00	57.80	9017	467	5.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/23/2018 17:00	59.00	8904	326	3.70
7/23/2018 18:00	63.50	8241	201	2.40
7/23/2018 19:00	67.90	5763	116	2.00
7/23/2018 20:00	66.40	4582	81	1.80
7/23/2018 21:00	68.90	3715	45	1.20
7/23/2018 22:00	69.30	2772	37	1.30
7/23/2018 23:00	69.00	1911	18	0.90
7/24/2018 0:00	69.20	1423	10	0.70
7/24/2018 1:00	69.10	903	2	0.20
7/24/2018 2:00	69.20	893	6	0.70
7/24/2018 3:00	69.40	837	2	0.20
7/24/2018 4:00	68.50	1128	4	0.40
7/24/2018 5:00	69.10	2736	20	0.70
7/24/2018 6:00	68.20	5312	72	1.40
7/24/2018 7:00	64.50	6116	157	2.60
7/24/2018 8:00	63.40	6632	130	2.00
7/24/2018 9:00	63.70	6169	109	1.80
7/24/2018 10:00	62.70	6124	142	2.30
7/24/2018 11:00	62.70	6846	191	2.80
7/24/2018 12:00	63.40	6931	174	2.50
7/24/2018 13:00	63.60	6800	209	3.10
7/24/2018 14:00	62.40	8652	260	3.00
7/24/2018 15:00	62.10	8851	259	2.90
7/24/2018 16:00	60.20	9071	290	3.20
7/24/2018 17:00	60.60	9243	248	2.70
7/24/2018 18:00	62.00	9157	264	2.90
7/24/2018 19:00	66.70	6596	170	2.60
7/24/2018 20:00	66.80	4987	130	2.60
7/24/2018 21:00	67.80	3923	71	1.80
7/24/2018 22:00	68.40	2975	43	1.40
7/24/2018 23:00	68.40	1990	8	0.40
7/25/2018 0:00	68.80	1529	10	0.70
7/25/2018 1:00	69.20	911	4	0.40
7/25/2018 2:00	68.90	978	6	0.60
7/25/2018 3:00	68.70	892	7	0.80
7/25/2018 4:00	68.30	1215	5	0.40
7/25/2018 5:00	66.20	2565	23	0.90
7/25/2018 6:00	66.30	4394	66	1.50
7/25/2018 7:00	66.00	5917	134	2.30
7/25/2018 8:00	64.00	6680	146	2.20
7/25/2018 9:00	63.60	6399	137	2.10
7/25/2018 10:00	62.00	6116	124	2.00
7/25/2018 11:00	61.30	6867	157	2.30
7/25/2018 12:00	61.00	7229	177	2.40
7/25/2018 13:00	61.00	7334	200	2.70
7/25/2018 14:00	60.40	8747	258	2.90
7/25/2018 15:00	59.90	8615	266	3.10
7/25/2018 16:00	61.90	9193	253	2.80
7/25/2018 17:00	59.90	9357	282	3.00
7/25/2018 18:00	61.10	8379	217	2.60
7/25/2018 19:00	63.20	7032	177	2.50
7/25/2018 20:00	65.50	5116	98	1.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/25/2018 21:00	64.60	5112	140	2.70
7/25/2018 22:00	66.30	3313	49	1.50
7/25/2018 23:00	67.20	2068	23	1.10
7/26/2018 0:00	68.00	1430	8	0.60
7/26/2018 1:00	69.00	1129	4	0.40
7/26/2018 2:00	69.30	890	4	0.40
7/26/2018 3:00	69.20	910	5	0.50
7/26/2018 4:00	68.30	1208	3	0.20
7/26/2018 5:00	68.80	2428	15	0.60
7/26/2018 6:00	66.80	4396	76	1.70
7/26/2018 7:00	65.80	6096	180	3.00
7/26/2018 8:00	63.40	6559	155	2.40
7/26/2018 9:00	62.20	6162	134	2.20
7/26/2018 10:00	62.80	6286	141	2.20
7/26/2018 11:00	61.50	7005	183	2.60
7/26/2018 12:00	61.60	7346	217	3.00
7/26/2018 13:00	61.80	7726	236	3.10
7/26/2018 14:00	60.90	8889	284	3.20
7/26/2018 15:00	61.80	8825	256	2.90
7/26/2018 16:00	60.50	9178	295	3.20
7/26/2018 17:00	59.40	9349	318	3.40
7/26/2018 18:00	58.40	8975	376	4.20
7/26/2018 19:00	65.00	6846	177	2.60
7/26/2018 20:00	65.30	5107	111	2.20
7/26/2018 21:00	67.40	4213	71	1.70
7/26/2018 22:00	68.70	3118	29	0.90
7/26/2018 23:00	68.70	2242	10	0.40
7/27/2018 0:00	68.80	1416	10	0.70
7/27/2018 1:00	70.10	772	2	0.30
7/27/2018 2:00	69.20	871	2	0.20
7/27/2018 3:00	68.90	860	4	0.50
7/27/2018 4:00	67.90	1265	4	0.30
7/27/2018 5:00	67.70	2482	11	0.40
7/27/2018 6:00	67.50	4291	82	1.90
7/27/2018 7:00	64.90	6097	179	2.90
7/27/2018 8:00	63.50	6701	172	2.60
7/27/2018 9:00	63.10	6459	168	2.60
7/27/2018 10:00	62.40	6965	211	3.00
7/27/2018 11:00	63.20	7398	179	2.40
7/27/2018 12:00	60.40	8249	305	3.70
7/27/2018 13:00	51.80	8290	450	5.40
7/27/2018 14:00	61.40	9058	274	3.00
7/27/2018 15:00	62.00	8991	276	3.10
7/27/2018 16:00	61.90	9177	284	3.10
7/27/2018 17:00	61.60	9450	286	3.00
7/27/2018 18:00	62.10	8797	248	2.80
7/27/2018 19:00	65.90	6683	178	2.70
7/27/2018 20:00	65.70	5184	137	2.60
7/27/2018 21:00	69.20	4492	73	1.60
7/27/2018 22:00	68.50	3765	45	1.20
7/27/2018 23:00	68.40	2742	22	0.80
7/28/2018 0:00	68.10	1936	16	0.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/28/2018 1:00	69.10	1253	4	0.30
7/28/2018 2:00	68.50	1173	7	0.60
7/28/2018 3:00	69.20	983	1	0.10
7/28/2018 4:00	68.20	978	7	0.70
7/28/2018 5:00	68.50	1388	10	0.70
7/28/2018 6:00	68.10	2363	23	1.00
7/28/2018 7:00	67.00	3611	35	1.00
7/28/2018 8:00	66.20	4902	84	1.70
7/28/2018 9:00	65.50	6261	176	2.80
7/28/2018 10:00	65.20	6718	148	2.20
7/28/2018 11:00	64.50	6901	205	3.00
7/28/2018 12:00	64.20	7289	192	2.60
7/28/2018 13:00	65.80	6962	174	2.50
7/28/2018 14:00	64.90	7166	207	2.90
7/28/2018 15:00	64.60	7021	161	2.30
7/28/2018 16:00	65.50	6960	130	1.90
7/28/2018 17:00	65.80	6657	175	2.60
7/28/2018 18:00	66.90	6095	177	2.90
7/28/2018 19:00	67.60	5078	130	2.60
7/28/2018 20:00	67.20	4502	98	2.20
7/28/2018 21:00	68.20	4130	89	2.20
7/28/2018 22:00	67.70	3694	72	1.90
7/28/2018 23:00	67.70	2797	32	1.10
7/29/2018 0:00	72.60	8659	0	0.00
7/29/2018 1:00	74.50	6762	0	0.00
7/29/2018 2:00	73.20	5733	0	0.00
7/29/2018 3:00	73.10	4661	1	0.00
7/29/2018 4:00	74.10	3252	3	0.10
7/29/2018 5:00	74.10	6489	1	0.00
7/29/2018 6:00	72.40	6556	0	0.00
7/29/2018 7:00	63.40	9249	0	0.00
7/29/2018 8:00	59.60	11863	2	0.00
7/29/2018 9:00	53.60	13093	0	0.00
7/29/2018 10:00	49.20	13174	0	0.00
7/29/2018 11:00	50.70	8276	0	0.00
7/29/2018 12:00	57.80	5063	0	0.00
7/29/2018 13:00	50.10	7774	0	0.00
7/29/2018 14:00	46.20	12284	1	0.00
7/29/2018 15:00	46.60	12384	0	0.00
7/29/2018 16:00	46.90	12582	0	0.00
7/29/2018 17:00	47.20	12621	0	0.00
7/29/2018 18:00	48.80	12522	1	0.00
7/29/2018 19:00	51.00	12278	0	0.00
7/29/2018 20:00	52.20	12162	0	0.00
7/29/2018 21:00	74.00	11653	0	0.00
7/29/2018 22:00	73.80	10964	0	0.00
7/29/2018 23:00	74.70	9007	0	0.00
7/30/2018 0:00	78.20	6827	0	0.00
7/30/2018 1:00	77.40	4796	1	0.00
7/30/2018 2:00	77.60	4443	1	0.00
7/30/2018 3:00	78.40	5503	3	0.10
7/30/2018 4:00	79.30	8873	4	0.00



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/30/2018 5:00	73.90	9817	5	0.10
7/30/2018 6:00	67.00	4814	55	1.10
7/30/2018 7:00	65.00	6040	169	2.80
7/30/2018 8:00	64.10	6218	140	2.30
7/30/2018 9:00	64.80	7638	124	1.60
7/30/2018 10:00	60.90	12479	14	0.10
7/30/2018 11:00	59.20	11966	30	0.30
7/30/2018 12:00	57.50	12376	18	0.10
7/30/2018 13:00	57.90	11426	63	0.60
7/30/2018 14:00	60.80	9441	211	2.20
7/30/2018 15:00	63.00	8702	265	3.00
7/30/2018 16:00	62.00	9148	289	3.20
7/30/2018 17:00	62.60	9299	274	2.90
7/30/2018 18:00	62.50	11485	132	1.10
7/30/2018 19:00	65.80	12955	1	0.00
7/30/2018 20:00	72.00	12656	0	0.00
7/30/2018 21:00	79.10	12043	0	0.00
7/30/2018 22:00	78.30	10578	3	0.00
7/30/2018 23:00	79.00	9179	2	0.00
7/31/2018 0:00	69.80	1296	4	0.30
7/31/2018 1:00	70.10	804	6	0.70
7/31/2018 2:00	69.30	943	3	0.30
7/31/2018 3:00	69.10	915	3	0.30
7/31/2018 4:00	69.40	1184	3	0.30
7/31/2018 5:00	69.50	2502	21	0.80
7/31/2018 6:00	67.00	4334	89	2.10
7/31/2018 7:00	64.50	6096	196	3.20
7/31/2018 8:00	64.30	6404	118	1.80
7/31/2018 9:00	56.30	7570	233	3.10
7/31/2018 10:00	60.50	7051	211	3.00
7/31/2018 11:00	63.30	6962	131	1.90
7/31/2018 12:00	63.30	7455	227	3.00
7/31/2018 13:00	63.60	7501	205	2.70
7/31/2018 14:00	62.40	8604	264	3.10
7/31/2018 15:00	62.20	9144	304	3.30
7/31/2018 16:00	59.50	9663	266	2.80
7/31/2018 17:00	62.10	9387	299	3.20
7/31/2018 18:00	62.10	8898	281	3.20
7/31/2018 19:00	66.80	6615	146	2.20
7/31/2018 20:00	67.60	4816	84	1.70
7/31/2018 21:00	69.60	3841	52	1.40
7/31/2018 22:00	69.90	2899	24	0.80
7/31/2018 23:00	68.60	1969	10	0.50
8/01/2018 0:00	68.80	1351	6	0.40
8/01/2018 1:00	69.20	934	6	0.60
8/01/2018 2:00	69.20	994	1	0.10
8/01/2018 3:00	69.40	926	4	0.40
8/01/2018 4:00	68.30	1244	5	0.40
8/01/2018 5:00	68.80	2494	16	0.60
8/01/2018 6:00	67.10	4374	83	1.90
8/01/2018 7:00	66.30	6103	159	2.60
8/01/2018 8:00	64.50	6426	166	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/01/2018 9:00	64.40	6627	109	1.60
8/01/2018 10:00	63.80	6401	154	2.40
8/01/2018 11:00	63.80	6779	169	2.50
8/01/2018 12:00	64.00	7166	192	2.70
8/01/2018 13:00	64.20	7548	181	2.40
8/01/2018 14:00	63.20	8560	246	2.90
8/01/2018 15:00	61.10	8968	353	3.90
8/01/2018 16:00	40.20	7872	871	11.10
8/01/2018 17:00	29.20	7522	824	11.00
8/01/2018 18:00	63.20	9058	303	3.30
8/01/2018 19:00	66.20	7288	212	2.90
8/01/2018 20:00	66.60	5200	141	2.70
8/01/2018 21:00	68.30	4077	62	1.50
8/01/2018 22:00	68.90	2814	33	1.20
8/01/2018 23:00	68.40	2034	18	0.90
8/02/2018 0:00	69.30	1161	4	0.30
8/02/2018 1:00	69.10	1018	10	1.00
8/02/2018 2:00	69.50	940	4	0.40
8/02/2018 3:00	69.00	857	6	0.70
8/02/2018 4:00	68.70	1208	10	0.80
8/02/2018 5:00	68.00	2497	22	0.90
8/02/2018 6:00	66.40	4407	81	1.80
8/02/2018 7:00	66.10	6091	155	2.50
8/02/2018 8:00	64.50	6569	154	2.30
8/02/2018 9:00	63.40	6402	147	2.30
8/02/2018 10:00	62.90	6338	143	2.30
8/02/2018 11:00	62.90	6909	163	2.40
8/02/2018 12:00	62.20	7521	192	2.60
8/02/2018 13:00	62.80	7764	243	3.10
8/02/2018 14:00	61.20	9052	324	3.60
8/02/2018 15:00	62.20	8974	280	3.10
8/02/2018 16:00	51.90	7696	476	6.20
8/02/2018 17:00	63.30	8698	228	2.60
8/02/2018 18:00	62.70	8967	270	3.00
8/02/2018 19:00	67.80	6533	165	2.50
8/02/2018 20:00	67.00	5062	118	2.30
8/02/2018 21:00	68.30	4152	74	1.80
8/02/2018 22:00	69.10	3146	37	1.20
8/02/2018 23:00	69.00	2015	20	1.00
8/03/2018 0:00	68.60	1650	17	1.00
8/03/2018 1:00	69.40	1081	1	0.10
8/03/2018 2:00	69.20	954	4	0.40
8/03/2018 3:00	67.70	993	12	1.20
8/03/2018 4:00	68.30	1189	3	0.30
8/03/2018 5:00	68.70	2431	13	0.50
8/03/2018 6:00	66.30	4355	67	1.50
8/03/2018 7:00	64.90	6089	146	2.40
8/03/2018 8:00	63.90	6670	165	2.50
8/03/2018 9:00	64.00	6320	154	2.40
8/03/2018 10:00	63.40	6841	179	2.60
8/03/2018 11:00	63.50	7311	155	2.10
8/03/2018 12:00	62.80	7927	220	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/03/2018 13:00	62.40	8260	242	2.90
8/03/2018 14:00	61.70	8940	273	3.10
8/03/2018 15:00	61.90	8720	300	3.40
8/03/2018 16:00	50.80	8839	513	5.80
8/03/2018 17:00	52.10	9244	523	5.70
8/03/2018 18:00	62.10	8880	286	3.20
8/03/2018 19:00	66.20	6844	176	2.60
8/03/2018 20:00	65.50	5308	135	2.50
8/03/2018 21:00	68.00	4323	74	1.70
8/03/2018 22:00	68.90	3746	47	1.30
8/03/2018 23:00	68.30	2892	28	1.00
8/04/2018 0:00	69.00	1877	8	0.40
8/04/2018 1:00	69.20	1328	4	0.30
8/04/2018 2:00	68.60	1122	6	0.50
8/04/2018 3:00	69.20	968	3	0.30
8/04/2018 4:00	68.50	883	2	0.20
8/04/2018 5:00	67.80	1408	11	0.80
8/04/2018 6:00	67.90	2464	25	1.00
8/04/2018 7:00	68.40	3401	48	1.40
8/04/2018 8:00	66.50	4779	79	1.70
8/04/2018 9:00	66.40	5598	121	2.20
8/04/2018 10:00	65.20	6364	158	2.50
8/04/2018 11:00	65.40	7043	212	3.00
8/04/2018 12:00	64.90	7069	220	3.10
8/04/2018 13:00	65.00	6936	170	2.50
8/04/2018 14:00	65.60	6918	141	2.00
8/04/2018 15:00	65.60	6887	170	2.50
8/04/2018 16:00	65.50	7046	184	2.60
8/04/2018 17:00	66.60	6721	195	2.90
8/04/2018 18:00	67.00	6328	224	3.50
8/04/2018 19:00	68.00	5161	129	2.50
8/04/2018 20:00	67.90	4277	89	2.10
8/04/2018 21:00	68.10	3978	78	2.00
8/04/2018 22:00	68.20	3608	65	1.80
8/04/2018 23:00	68.50	2699	37	1.40
8/05/2018 0:00	70.80	5170	0	0.00
8/05/2018 1:00	73.00	9412	1	0.00
8/05/2018 2:00	73.40	6397	0	0.00
8/05/2018 3:00	70.30	6543	1	0.00
8/05/2018 4:00	73.00	6828	2	0.00
8/05/2018 5:00	77.50	9037	0	0.00
8/05/2018 6:00	72.10	12113	1	0.00
8/05/2018 7:00	67.70	14973	0	0.00
8/05/2018 8:00	61.20	16634	1	0.00
8/05/2018 9:00	51.80	16099	1	0.00
8/05/2018 10:00	47.30	14355	1	0.00
8/05/2018 11:00	45.20	13736	1	0.00
8/05/2018 12:00	43.60	16705	1	0.00
8/05/2018 13:00	44.50	11654	21	0.20
8/05/2018 14:00	43.30	10874	0	0.00
8/05/2018 15:00	43.70	14537	0	0.00
8/05/2018 16:00	43.90	13237	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/05/2018 17:00	45.10	16551	0	0.00
8/05/2018 18:00	47.60	16690	0	0.00
8/05/2018 19:00	49.20	16474	0	0.00
8/05/2018 20:00	50.20	16133	0	0.00
8/05/2018 21:00	67.80	14691	0	0.00
8/05/2018 22:00	65.00	5425	0	0.00
8/05/2018 23:00	74.50	12080	0	0.00
8/06/2018 0:00	72.10	6483	2	0.00
8/06/2018 1:00	71.20	4627	0	0.00
8/06/2018 2:00	73.20	4696	0	0.00
8/06/2018 3:00	71.70	5448	1	0.00
8/06/2018 4:00	71.00	8844	2	0.00
8/06/2018 5:00	73.40	10056	5	0.00
8/06/2018 6:00	67.40	4423	56	1.30
8/06/2018 7:00	65.70	5624	137	2.40
8/06/2018 8:00	63.80	6498	127	2.00
8/06/2018 9:00	63.40	7328	120	1.60
8/06/2018 10:00	60.60	11233	33	0.30
8/06/2018 11:00	57.90	12681	2	0.00
8/06/2018 12:00	57.60	11284	45	0.40
8/06/2018 13:00	56.80	11725	213	1.80
8/06/2018 14:00	62.40	9682	214	2.20
8/06/2018 15:00	62.00	8937	292	3.30
8/06/2018 16:00	62.90	7419	152	2.00
8/06/2018 17:00	61.40	8341	89	1.10
8/06/2018 18:00	56.90	13569	0	0.00
8/06/2018 19:00	64.10	13046	0	0.00
8/06/2018 20:00	69.10	12598	0	0.00
8/06/2018 21:00	70.10	11908	1	0.00
8/06/2018 22:00	72.20	9811	0	0.00
8/06/2018 23:00	72.60	4038	0	0.00
8/07/2018 0:00	69.00	1179	6	0.50
8/07/2018 1:00	68.90	1030	4	0.40
8/07/2018 2:00	69.30	888	1	0.10
8/07/2018 3:00	69.40	860	1	0.10
8/07/2018 4:00	68.70	1197	5	0.40
8/07/2018 5:00	68.20	2508	24	1.00
8/07/2018 6:00	66.40	4600	76	1.70
8/07/2018 7:00	65.30	5985	145	2.40
8/07/2018 8:00	64.00	6519	160	2.50
8/07/2018 9:00	63.70	6442	150	2.30
8/07/2018 10:00	63.40	6273	182	2.90
8/07/2018 11:00	63.40	6785	127	1.90
8/07/2018 12:00	63.60	7142	182	2.50
8/07/2018 13:00	64.00	7374	173	2.30
8/07/2018 14:00	63.70	8681	236	2.70
8/07/2018 15:00	62.90	9032	292	3.20
8/07/2018 16:00	63.50	9237	293	3.20
8/07/2018 17:00	64.10	9122	260	2.90
8/07/2018 18:00	64.30	8598	232	2.70
8/07/2018 19:00	67.80	6114	128	2.10
8/07/2018 20:00	67.20	4827	112	2.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/07/2018 21:00	68.80	3942	67	1.70
8/07/2018 22:00	68.10	2939	51	1.70
8/07/2018 23:00	68.60	1966	18	0.90
8/08/2018 0:00	69.20	1332	11	0.80
8/08/2018 1:00	69.00	1049	6	0.60
8/08/2018 2:00	69.10	949	1	0.10
8/08/2018 3:00	69.30	949	7	0.70
8/08/2018 4:00	68.10	1171	4	0.30
8/08/2018 5:00	68.10	2503	21	0.80
8/08/2018 6:00	67.70	4604	71	1.50
8/08/2018 7:00	66.10	5889	159	2.70
8/08/2018 8:00	65.40	6498	142	2.20
8/08/2018 9:00	64.50	6396	165	2.60
8/08/2018 10:00	65.50	5922	117	2.00
8/08/2018 11:00	64.70	6591	115	1.70
8/08/2018 12:00	63.90	7307	227	3.10
8/08/2018 13:00	64.30	7408	205	2.80
8/08/2018 14:00	63.00	8472	238	2.80
8/08/2018 15:00	63.80	8649	280	3.20
8/08/2018 16:00	54.90	8959	621	6.90
8/08/2018 17:00	45.00	9051	658	7.30
8/08/2018 18:00	56.90	8513	305	3.60
8/08/2018 19:00	68.20	6558	175	2.70
8/08/2018 20:00	66.70	5025	109	2.20
8/08/2018 21:00	68.80	4238	87	2.10
8/08/2018 22:00	69.70	3004	34	1.10
8/08/2018 23:00	69.10	1950	10	0.50
8/09/2018 0:00	68.90	1157	6	0.50
8/09/2018 1:00	70.00	764	1	0.10
8/09/2018 2:00	69.00	926	3	0.30
8/09/2018 3:00	68.80	858	5	0.60
8/09/2018 4:00	67.40	1322	13	1.00
8/09/2018 5:00	68.40	2418	16	0.70
8/09/2018 6:00	66.40	4350	66	1.50
8/09/2018 7:00	65.60	6127	148	2.40
8/09/2018 8:00	63.80	6597	135	2.00
8/09/2018 9:00	64.20	6327	128	2.00
8/09/2018 10:00	63.50	6299	153	2.40
8/09/2018 11:00	63.50	6977	148	2.10
8/09/2018 12:00	63.30	7194	154	2.10
8/09/2018 13:00	63.00	7685	183	2.40
8/09/2018 14:00	62.30	8871	270	3.00
8/09/2018 15:00	63.30	9102	286	3.10
8/09/2018 16:00	64.00	8992	224	2.50
8/09/2018 17:00	63.50	9450	269	2.80
8/09/2018 18:00	62.30	8708	260	3.00
8/09/2018 19:00	66.30	6224	153	2.50
8/09/2018 20:00	66.50	5140	109	2.10
8/09/2018 21:00	67.50	4009	58	1.40
8/09/2018 22:00	68.40	3056	36	1.20
8/09/2018 23:00	68.60	2048	21	1.00
8/10/2018 0:00	69.40	1424	10	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/10/2018 1:00	69.70	905	3	0.30
8/10/2018 2:00	69.10	917	3	0.30
8/10/2018 3:00	68.80	865	4	0.50
8/10/2018 4:00	68.40	1347	9	0.70
8/10/2018 5:00	68.40	2585	15	0.60
8/10/2018 6:00	68.10	4341	68	1.60
8/10/2018 7:00	65.00	6120	132	2.20
8/10/2018 8:00	64.30	6415	160	2.50
8/10/2018 9:00	64.10	6382	167	2.60
8/10/2018 10:00	63.00	6625	179	2.70
8/10/2018 11:00	63.50	7159	170	2.40
8/10/2018 12:00	62.80	8014	254	3.20
8/10/2018 13:00	62.50	8438	261	3.10
8/10/2018 14:00	61.40	8927	295	3.30
8/10/2018 15:00	62.40	8954	284	3.20
8/10/2018 16:00	62.50	9323	277	3.00
8/10/2018 17:00	62.40	9043	285	3.20
8/10/2018 18:00	62.40	8433	232	2.80
8/10/2018 19:00	67.70	6248	118	1.90
8/10/2018 20:00	65.90	5134	128	2.50
8/10/2018 21:00	67.70	4226	67	1.60
8/10/2018 22:00	68.80	3547	38	1.10
8/10/2018 23:00	69.10	2733	17	0.60
8/11/2018 0:00	68.40	1811	18	1.00
8/11/2018 1:00	68.60	1301	11	0.80
8/11/2018 2:00	69.00	1118	4	0.40
8/11/2018 3:00	69.30	939	6	0.60
8/11/2018 4:00	68.00	1175	11	0.90
8/11/2018 5:00	68.60	1476	12	0.80
8/11/2018 6:00	68.80	2265	18	0.80
8/11/2018 7:00	67.10	3525	55	1.60
8/11/2018 8:00	66.20	4995	109	2.20
8/11/2018 9:00	65.90	5685	142	2.50
8/11/2018 10:00	65.80	6629	164	2.50
8/11/2018 11:00	65.40	6918	180	2.60
8/11/2018 12:00	53.80	6593	568	8.60
8/11/2018 13:00	64.80	7253	175	2.40
8/11/2018 14:00	64.80	7217	194	2.70
8/11/2018 15:00	66.00	6623	158	2.40
8/11/2018 16:00	65.40	6906	173	2.50
8/11/2018 17:00	66.40	6756	189	2.80
8/11/2018 18:00	66.60	5975	142	2.40
8/11/2018 19:00	67.40	5216	127	2.40
8/11/2018 20:00	67.10	4502	98	2.20
8/11/2018 21:00	67.80	4425	90	2.00
8/11/2018 22:00	67.90	3506	63	1.80
8/11/2018 23:00	68.80	2693	31	1.20
8/12/2018 0:00	60.40	9817	0	0.00
8/12/2018 1:00	47.80	2319	0	0.00
8/12/2018 2:00	66.00	326	0	0.00
8/12/2018 3:00	67.10	3113	1	0.00
8/12/2018 4:00	69.60	4181	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/12/2018 5:00	71.20	8263	0	0.00
8/12/2018 6:00	69.60	12538	2	0.00
8/12/2018 7:00	64.70	15057	0	0.00
8/12/2018 8:00	60.50	16543	1	0.00
8/12/2018 9:00	52.00	17112	1	0.00
8/12/2018 10:00	47.00	17335	2	0.00
8/12/2018 11:00	44.80	17120	1	0.00
8/12/2018 12:00	44.70	16469	3	0.00
8/12/2018 13:00	42.60	16220	5	0.00
8/12/2018 14:00	43.00	16211	0	0.00
8/12/2018 15:00	43.80	16343	0	0.00
8/12/2018 16:00	43.90	16448	0	0.00
8/12/2018 17:00	46.30	10909	0	0.00
8/12/2018 18:00	63.60	2451	0	0.00
8/12/2018 19:00	49.40	11741	0	0.00
8/12/2018 20:00	50.70	16364	0	0.00
8/12/2018 21:00	73.30	16187	1	0.00
8/12/2018 22:00	75.50	14660	0	0.00
8/12/2018 23:00	76.30	12368	1	0.00
8/13/2018 0:00	68.80	1403	8	0.60
8/13/2018 1:00	69.20	1053	5	0.50
8/13/2018 2:00	69.10	913	6	0.70
8/13/2018 3:00	69.10	833	3	0.40
8/13/2018 4:00	67.50	1310	12	0.90
8/13/2018 5:00	68.10	2486	24	1.00
8/13/2018 6:00	66.70	4487	95	2.10
8/13/2018 7:00	65.50	6133	173	2.80
8/13/2018 8:00	64.00	6424	170	2.60
8/13/2018 9:00	62.40	6147	131	2.10
8/13/2018 10:00	62.80	5930	131	2.20
8/13/2018 11:00	63.40	6376	171	2.70
8/13/2018 12:00	63.10	6897	199	2.90
8/13/2018 13:00	63.10	7093	208	2.90
8/13/2018 14:00	62.20	8500	261	3.10
8/13/2018 15:00	62.40	8621	282	3.30
8/13/2018 16:00	58.00	9018	433	4.80
8/13/2018 17:00	41.70	8014	885	11.00
8/13/2018 18:00	53.60	7394	403	5.50
8/13/2018 19:00	68.10	5772	111	1.90
8/13/2018 20:00	67.20	4464	95	2.10
8/13/2018 21:00	68.70	3604	48	1.30
8/13/2018 22:00	68.10	2689	30	1.10
8/13/2018 23:00	68.40	1836	19	1.00
8/14/2018 0:00	69.10	1206	11	0.90
8/14/2018 1:00	69.10	853	4	0.50
8/14/2018 2:00	69.10	875	6	0.70
8/14/2018 3:00	69.00	870	2	0.20
8/14/2018 4:00	69.00	1280	7	0.50
8/14/2018 5:00	68.50	2479	19	0.80
8/14/2018 6:00	65.70	4527	100	2.20
8/14/2018 7:00	65.90	5917	129	2.20
8/14/2018 8:00	64.50	6416	149	2.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/14/2018 9:00	63.20	6278	149	2.40
8/14/2018 10:00	62.60	6375	110	1.70
8/14/2018 11:00	63.70	6739	164	2.40
8/14/2018 12:00	63.50	7014	146	2.10
8/14/2018 13:00	63.20	7254	197	2.70
8/14/2018 14:00	61.80	8578	272	3.20
8/14/2018 15:00	62.80	8793	309	3.50
8/14/2018 16:00	62.80	9199	262	2.80
8/14/2018 17:00	55.50	9103	256	2.80
8/14/2018 18:00	62.00	8932	291	3.30
8/14/2018 19:00	67.20	6158	146	2.40
8/14/2018 20:00	67.30	4813	119	2.50
8/14/2018 21:00	67.90	3878	66	1.70
8/14/2018 22:00	68.40	2885	40	1.40
8/14/2018 23:00	69.20	1974	17	0.90
8/15/2018 0:00	69.30	1256	8	0.60
8/15/2018 1:00	69.10	1025	6	0.60
8/15/2018 2:00	69.20	897	0	0.00
8/15/2018 3:00	69.00	901	7	0.80
8/15/2018 4:00	66.40	1229	18	1.50
8/15/2018 5:00	69.10	2502	20	0.80
8/15/2018 6:00	66.30	4555	77	1.70
8/15/2018 7:00	66.20	6337	159	2.50
8/15/2018 8:00	64.90	6377	150	2.40
8/15/2018 9:00	64.60	6192	150	2.40
8/15/2018 10:00	63.60	6279	159	2.50
8/15/2018 11:00	63.30	6875	177	2.60
8/15/2018 12:00	64.20	7213	149	2.10
8/15/2018 13:00	63.20	7577	244	3.20
8/15/2018 14:00	62.60	8839	299	3.40
8/15/2018 15:00	60.80	8927	332	3.70
8/15/2018 16:00	65.00	8588	253	2.90
8/15/2018 17:00	53.90	9120	431	4.70
8/15/2018 18:00	62.30	8897	244	2.70
8/15/2018 19:00	67.40	6526	179	2.70
8/15/2018 20:00	65.00	4963	136	2.70
8/15/2018 21:00	58.60	4155	92	2.20
8/15/2018 22:00	68.60	2920	34	1.20
8/15/2018 23:00	67.20	2054	22	1.10
8/16/2018 0:00	69.10	1441	10	0.70
8/16/2018 1:00	68.90	976	4	0.40
8/16/2018 2:00	69.00	920	3	0.30
8/16/2018 3:00	68.60	923	3	0.30
8/16/2018 4:00	68.10	1262	6	0.50
8/16/2018 5:00	67.90	2486	23	0.90
8/16/2018 6:00	66.10	4605	82	1.80
8/16/2018 7:00	65.60	6266	170	2.70
8/16/2018 8:00	64.00	6488	149	2.30
8/16/2018 9:00	64.40	6355	124	2.00
8/16/2018 10:00	63.90	6240	146	2.30
8/16/2018 11:00	62.80	6841	168	2.50
8/16/2018 12:00	63.20	7388	178	2.40



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/16/2018 13:00	62.50	7971	209	2.60
8/16/2018 14:00	44.70	8324	699	8.40
8/16/2018 15:00	34.10	7353	880	12.00
8/16/2018 16:00	36.30	7807	770	9.90
8/16/2018 17:00	59.40	8833	256	2.90
8/16/2018 18:00	61.70	9340	299	3.20
8/16/2018 19:00	63.70	8238	220	2.70
8/16/2018 20:00	66.20	4994	85	1.70
8/16/2018 21:00	68.70	4144	51	1.20
8/16/2018 22:00	68.50	3240	44	1.40
8/16/2018 23:00	69.00	2244	17	0.80
8/17/2018 0:00	68.90	1709	8	0.50
8/17/2018 1:00	69.10	1059	7	0.70
8/17/2018 2:00	69.40	785	4	0.50
8/17/2018 3:00	67.60	1136	15	1.30
8/17/2018 4:00	66.00	1504	21	1.40
8/17/2018 5:00	69.10	2649	22	0.80
8/17/2018 6:00	66.30	4595	82	1.80
8/17/2018 7:00	65.50	6382	182	2.90
8/17/2018 8:00	64.10	6654	193	2.90
8/17/2018 9:00	63.30	6352	139	2.20
8/17/2018 10:00	62.60	6759	178	2.60
8/17/2018 11:00	62.90	7271	162	2.20
8/17/2018 12:00	63.00	7854	228	2.90
8/17/2018 13:00	62.80	8288	246	3.00
8/17/2018 14:00	61.90	8981	291	3.20
8/17/2018 15:00	62.50	8895	311	3.50
8/17/2018 16:00	61.10	9592	317	3.30
8/17/2018 17:00	61.70	9499	291	3.10
8/17/2018 18:00	62.10	8833	276	3.10
8/17/2018 19:00	66.50	6512	172	2.60
8/17/2018 20:00	65.30	5357	123	2.30
8/17/2018 21:00	68.00	4490	66	1.50
8/17/2018 22:00	68.60	3821	47	1.20
8/17/2018 23:00	68.40	2901	34	1.20
8/18/2018 0:00	68.50	1859	21	1.10
8/18/2018 1:00	69.20	1126	5	0.40
8/18/2018 2:00	70.00	768	2	0.30
8/18/2018 3:00	69.70	689	0	0.00
8/18/2018 4:00	68.90	857	3	0.40
8/18/2018 5:00	68.60	1201	4	0.30
8/18/2018 6:00	67.60	2392	23	1.00
8/18/2018 7:00	68.30	3493	30	0.90
8/18/2018 8:00	66.40	4905	84	1.70
8/18/2018 9:00	65.70	5710	113	2.00
8/18/2018 10:00	64.50	6558	155	2.40
8/18/2018 11:00	64.40	6983	207	3.00
8/18/2018 12:00	63.70	7490	232	3.10
8/18/2018 13:00	64.20	7447	243	3.30
8/18/2018 14:00	63.80	7221	214	3.00
8/18/2018 15:00	63.90	7132	195	2.70
8/18/2018 16:00	65.20	7232	245	3.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/18/2018 17:00	65.80	6541	168	2.60
8/18/2018 18:00	66.30	6125	175	2.90
8/18/2018 19:00	67.10	5183	125	2.40
8/18/2018 20:00	66.80	4793	103	2.10
8/18/2018 21:00	68.90	4127	61	1.50
8/18/2018 22:00	68.60	3359	40	1.20
8/18/2018 23:00	68.80	2587	28	1.10
8/19/2018 0:00	67.60	8574	0	0.00
8/19/2018 1:00	72.00	6624	1	0.00
8/19/2018 2:00	67.50	5275	0	0.00
8/19/2018 3:00	72.80	4544	0	0.00
8/19/2018 4:00	72.60	4465	0	0.00
8/19/2018 5:00	72.10	6349	1	0.00
8/19/2018 6:00	69.10	8787	2	0.00
8/19/2018 7:00	64.90	10436	0	0.00
8/19/2018 8:00	59.00	12101	0	0.00
8/19/2018 9:00	53.60	13129	4	0.00
8/19/2018 10:00	49.00	13291	0	0.00
8/19/2018 11:00	46.50	13158	0	0.00
8/19/2018 12:00	46.10	13065	1	0.00
8/19/2018 13:00	45.70	13000	2	0.00
8/19/2018 14:00	46.80	13024	0	0.00
8/19/2018 15:00	46.80	12914	0	0.00
8/19/2018 16:00	46.90	13124	3	0.00
8/19/2018 17:00	48.40	13359	0	0.00
8/19/2018 18:00	49.30	13254	0	0.00
8/19/2018 19:00	51.80	10949	0	0.00
8/19/2018 20:00	52.70	12632	3	0.00
8/19/2018 21:00	71.60	11923	0	0.00
8/19/2018 22:00	73.70	10282	0	0.00
8/19/2018 23:00	73.10	8778	2	0.00
8/20/2018 0:00	69.40	1149	5	0.40
8/20/2018 1:00	69.30	1028	6	0.60
8/20/2018 2:00	68.90	830	6	0.70
8/20/2018 3:00	69.20	833	5	0.60
8/20/2018 4:00	67.50	1266	8	0.60
8/20/2018 5:00	68.10	2644	24	0.90
8/20/2018 6:00	65.50	4393	61	1.40
8/20/2018 7:00	65.10	6088	137	2.30
8/20/2018 8:00	63.90	6583	165	2.50
8/20/2018 9:00	63.90	5997	126	2.10
8/20/2018 10:00	63.30	5962	147	2.50
8/20/2018 11:00	64.20	6383	127	2.00
8/20/2018 12:00	64.10	6743	167	2.50
8/20/2018 13:00	63.70	7117	201	2.80
8/20/2018 14:00	62.60	8438	262	3.10
8/20/2018 15:00	62.90	8721	291	3.30
8/20/2018 16:00	62.60	9020	350	3.90
8/20/2018 17:00	62.20	8908	238	2.70
8/20/2018 18:00	65.70	7690	209	2.70
8/20/2018 19:00	67.50	5958	163	2.70
8/20/2018 20:00	66.90	4526	109	2.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/20/2018 21:00	67.40	3742	54	1.40
8/20/2018 22:00	68.20	2618	28	1.10
8/20/2018 23:00	68.40	1846	15	0.80
8/21/2018 0:00	69.30	1131	6	0.50
8/21/2018 1:00	70.00	738	0	0.00
8/21/2018 2:00	69.30	913	2	0.20
8/21/2018 3:00	69.40	765	2	0.30
8/21/2018 4:00	68.30	1269	4	0.30
8/21/2018 5:00	67.50	2694	17	0.60
8/21/2018 6:00	67.60	4458	71	1.60
8/21/2018 7:00	66.30	5996	154	2.60
8/21/2018 8:00	64.60	6396	158	2.50
8/21/2018 9:00	37.20	5739	605	10.50
8/21/2018 10:00	62.80	6151	128	2.10
8/21/2018 11:00	63.60	6679	161	2.40
8/21/2018 12:00	63.80	6957	204	2.90
8/21/2018 13:00	63.60	7129	183	2.60
8/21/2018 14:00	62.30	8755	264	3.00
8/21/2018 15:00	63.00	8948	292	3.30
8/21/2018 16:00	62.70	9339	292	3.10
8/21/2018 17:00	38.40	8532	879	10.30
8/21/2018 18:00	49.20	8567	592	6.90
8/21/2018 19:00	67.90	6333	151	2.40
8/21/2018 20:00	67.40	4931	123	2.50
8/21/2018 21:00	68.70	3966	72	1.80
8/21/2018 22:00	68.50	2892	38	1.30
8/21/2018 23:00	68.60	1934	16	0.80
8/22/2018 0:00	68.30	1419	15	1.10
8/22/2018 1:00	69.00	1030	2	0.20
8/22/2018 2:00	69.40	906	3	0.30
8/22/2018 3:00	69.20	838	7	0.80
8/22/2018 4:00	68.90	1173	4	0.30
8/22/2018 5:00	67.90	2367	8	0.30
8/22/2018 6:00	67.00	4628	91	2.00
8/22/2018 7:00	66.00	5999	124	2.10
8/22/2018 8:00	64.20	6630	161	2.40
8/22/2018 9:00	64.40	6270	145	2.30
8/22/2018 10:00	62.70	6636	166	2.50
8/22/2018 11:00	63.50	6787	133	2.00
8/22/2018 12:00	64.30	7125	207	2.90
8/22/2018 13:00	63.10	7542	185	2.50
8/22/2018 14:00	62.50	8588	223	2.60
8/22/2018 15:00	62.60	8734	295	3.40
8/22/2018 16:00	63.10	9407	268	2.80
8/22/2018 17:00	42.60	8940	816	9.10
8/22/2018 18:00	52.30	8745	441	5.00
8/22/2018 19:00	66.50	6638	160	2.40
8/22/2018 20:00	65.80	5119	140	2.70
8/22/2018 21:00	69.00	4335	103	2.40
8/22/2018 22:00	68.80	3027	40	1.30
8/22/2018 23:00	68.00	2145	20	0.90
8/23/2018 0:00	68.50	1317	19	1.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/23/2018 1:00	69.80	715	2	0.30
8/23/2018 2:00	69.10	886	3	0.30
8/23/2018 3:00	69.30	829	5	0.60
8/23/2018 4:00	68.70	1147	5	0.40
8/23/2018 5:00	68.70	2526	25	1.00
8/23/2018 6:00	65.70	4390	72	1.60
8/23/2018 7:00	66.00	6299	139	2.20
8/23/2018 8:00	64.70	6620	147	2.20
8/23/2018 9:00	63.50	6578	162	2.50
8/23/2018 10:00	63.00	6437	153	2.40
8/23/2018 11:00	63.10	6831	183	2.70
8/23/2018 12:00	63.00	7504	188	2.50
8/23/2018 13:00	62.20	7678	246	3.20
8/23/2018 14:00	61.90	8924	267	3.00
8/23/2018 15:00	60.10	8999	354	3.90
8/23/2018 16:00	56.40	8775	500	5.70
8/23/2018 17:00	61.50	9448	290	3.10
8/23/2018 18:00	61.90	9069	292	3.20
8/23/2018 19:00	66.30	6976	166	2.40
8/23/2018 20:00	66.60	4885	84	1.70
8/23/2018 21:00	68.50	4144	71	1.70
8/23/2018 22:00	69.50	3121	36	1.20
8/23/2018 23:00	68.40	2119	17	0.80
8/24/2018 0:00	68.60	1347	8	0.60
8/24/2018 1:00	69.40	763	5	0.70
8/24/2018 2:00	69.30	815	3	0.40
8/24/2018 3:00	69.30	821	3	0.40
8/24/2018 4:00	68.60	1234	5	0.40
8/24/2018 5:00	67.30	2400	14	0.60
8/24/2018 6:00	65.80	4259	78	1.80
8/24/2018 7:00	64.60	6672	209	3.10
8/24/2018 8:00	64.70	6622	174	2.60
8/24/2018 9:00	63.30	6897	160	2.30
8/24/2018 10:00	62.90	7011	166	2.40
8/24/2018 11:00	62.10	7548	191	2.50
8/24/2018 12:00	63.20	7992	222	2.80
8/24/2018 13:00	61.40	8713	285	3.30
8/24/2018 14:00	61.10	9386	299	3.20
8/24/2018 15:00	46.70	8540	716	8.40
8/24/2018 16:00	43.30	8951	618	6.90
8/24/2018 17:00	38.80	8697	527	6.10
8/24/2018 18:00	60.10	9071	299	3.30
8/24/2018 19:00	66.50	6932	172	2.50
8/24/2018 20:00	66.20	5084	116	2.30
8/24/2018 21:00	68.50	4292	66	1.50
8/24/2018 22:00	68.80	3561	32	0.90
8/24/2018 23:00	68.10	2736	21	0.80
8/25/2018 0:00	69.00	1893	17	0.90
8/25/2018 1:00	69.10	1143	8	0.70
8/25/2018 2:00	68.60	677	1	0.10
8/25/2018 3:00	69.10	892	5	0.60
8/25/2018 4:00	68.70	922	5	0.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/25/2018 5:00	69.20	1279	5	0.40
8/25/2018 6:00	69.70	2750	104	3.80
8/25/2018 7:00	69.30	4415	272	6.20
8/25/2018 8:00	67.00	5622	279	5.00
8/25/2018 9:00	65.80	6275	192	3.10
8/25/2018 10:00	65.80	6531	175	2.70
8/25/2018 11:00	64.90	7016	198	2.80
8/25/2018 12:00	64.20	7521	209	2.80
8/25/2018 13:00	64.50	7437	212	2.90
8/25/2018 14:00	64.40	7614	186	2.40
8/25/2018 15:00	64.80	7323	201	2.70
8/25/2018 16:00	64.70	6998	187	2.70
8/25/2018 17:00	67.10	6678	169	2.50
8/25/2018 18:00	67.00	6222	158	2.50
8/25/2018 19:00	66.70	5390	109	2.00
8/25/2018 20:00	66.60	4574	98	2.10
8/25/2018 21:00	68.50	4164	95	2.30
8/25/2018 22:00	68.70	3290	50	1.50
8/25/2018 23:00	69.80	2557	17	0.70
8/26/2018 0:00	69.10	1628	5	0.30
8/26/2018 1:00	69.30	1141	4	0.40
8/26/2018 2:00	69.10	942	1	0.10
8/26/2018 3:00	70.00	656	0	0.00
8/26/2018 4:00	69.00	940	8	0.90
8/26/2018 5:00	69.00	977	2	0.20
8/26/2018 6:00	68.20	1492	11	0.70
8/26/2018 7:00	68.50	2213	18	0.80
8/26/2018 8:00	68.40	3301	35	1.10
8/26/2018 9:00	68.10	4498	96	2.10
8/26/2018 10:00	66.10	5431	136	2.50
8/26/2018 11:00	65.30	5878	153	2.60
8/26/2018 12:00	64.30	6192	169	2.70
8/26/2018 13:00	64.50	6138	182	3.00
8/26/2018 14:00	64.70	6041	163	2.70
8/26/2018 15:00	64.90	6026	169	2.80
8/26/2018 16:00	66.00	5961	140	2.30
8/26/2018 17:00	65.90	5733	144	2.50
8/26/2018 18:00	66.30	5259	129	2.50
8/26/2018 19:00	68.00	4689	103	2.20
8/26/2018 20:00	66.90	4091	84	2.10
8/26/2018 21:00	68.40	3451	71	2.10
8/26/2018 22:00	68.80	2490	23	0.90
8/26/2018 23:00	69.00	1753	11	0.60
8/27/2018 0:00	73.40	3826	63	1.60
8/27/2018 1:00	73.20	2434	16	0.70
8/27/2018 2:00	72.30	2418	37	1.50
8/27/2018 3:00	72.60	3076	22	0.70
8/27/2018 4:00	70.80	4886	50	1.00
8/27/2018 5:00	59.60	6683	904	13.50
8/27/2018 6:00	65.70	4843	161	3.30
8/27/2018 7:00	66.00	6878	224	3.30
8/27/2018 8:00	64.20	7133	182	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/27/2018 9:00	62.20	8390	1150	13.70
8/27/2018 10:00	61.60	9653	2118	21.90
8/27/2018 11:00	60.80	9712	2162	22.30
8/27/2018 12:00	60.80	9853	2025	20.60
8/27/2018 13:00	62.40	8723	1104	12.70
8/27/2018 14:00	62.00	8764	230	2.60
8/27/2018 15:00	61.40	8813	336	3.80
8/27/2018 16:00	60.90	9132	281	3.10
8/27/2018 17:00	62.80	9169	306	3.30
8/27/2018 18:00	61.90	10149	1848	18.20
8/27/2018 19:00	67.00	9514	2083	21.90
8/27/2018 20:00	73.20	8310	1484	17.90
8/27/2018 21:00	71.80	7697	1102	14.30
8/27/2018 22:00	73.30	6281	624	9.90
8/27/2018 23:00	71.90	4674	209	4.50
8/28/2018 0:00	68.60	1310	8	0.60
8/28/2018 1:00	68.80	1039	8	0.80
8/28/2018 2:00	69.30	861	2	0.20
8/28/2018 3:00	69.10	858	3	0.30
8/28/2018 4:00	67.80	1186	5	0.40
8/28/2018 5:00	68.10	2856	26	0.90
8/28/2018 6:00	66.60	5710	135	2.40
8/28/2018 7:00	65.90	7158	188	2.60
8/28/2018 8:00	64.90	6871	155	2.30
8/28/2018 9:00	63.40	6433	142	2.20
8/28/2018 10:00	63.90	6291	141	2.20
8/28/2018 11:00	63.50	6785	135	2.00
8/28/2018 12:00	63.50	6954	155	2.20
8/28/2018 13:00	63.60	7310	195	2.70
8/28/2018 14:00	62.30	8735	247	2.80
8/28/2018 15:00	51.10	8725	544	6.20
8/28/2018 16:00	60.00	8909	343	3.90
8/28/2018 17:00	62.50	9479	346	3.70
8/28/2018 18:00	62.50	9124	273	3.00
8/28/2018 19:00	67.20	6099	132	2.20
8/28/2018 20:00	67.60	4629	96	2.10
8/28/2018 21:00	69.50	3812	74	1.90
8/28/2018 22:00	69.60	2717	30	1.10
8/28/2018 23:00	68.70	1687	16	0.90
8/29/2018 0:00	69.80	1143	7	0.60
8/29/2018 1:00	69.30	921	2	0.20
8/29/2018 2:00	69.10	834	3	0.40
8/29/2018 3:00	69.10	842	5	0.60
8/29/2018 4:00	68.40	1159	4	0.30
8/29/2018 5:00	68.10	2446	15	0.60
8/29/2018 6:00	66.80	4705	90	1.90
8/29/2018 7:00	66.40	6789	171	2.50
8/29/2018 8:00	64.20	6881	129	1.90
8/29/2018 9:00	65.40	5672	68	1.20
8/29/2018 10:00	65.70	5615	60	1.10
8/29/2018 11:00	64.40	5982	74	1.20
8/29/2018 12:00	66.50	6280	73	1.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/29/2018 13:00	63.30	7254	196	2.70
8/29/2018 14:00	61.60	8556	307	3.60
8/29/2018 15:00	34.60	6564	774	11.80
8/29/2018 16:00	57.60	8894	359	4.00
8/29/2018 17:00	33.10	8875	1036	11.70
8/29/2018 18:00	57.40	8952	326	3.60
8/29/2018 19:00	66.00	6375	148	2.30
8/29/2018 20:00	66.10	4936	95	1.90
8/29/2018 21:00	68.50	4232	78	1.80
8/29/2018 22:00	68.70	2828	26	0.90
8/29/2018 23:00	67.90	2076	14	0.70
8/30/2018 0:00	69.30	1171	6	0.50
8/30/2018 1:00	69.30	749	5	0.70
8/30/2018 2:00	69.20	895	2	0.20
8/30/2018 3:00	68.80	874	4	0.50
8/30/2018 4:00	68.10	1186	2	0.20
8/30/2018 5:00	68.40	2656	21	0.80
8/30/2018 6:00	66.20	4742	90	1.90
8/30/2018 7:00	64.40	6993	205	2.90
8/30/2018 8:00	64.30	6866	185	2.70
8/30/2018 9:00	63.40	6397	158	2.50
8/30/2018 10:00	63.30	6666	149	2.20
8/30/2018 11:00	63.30	6776	160	2.40
8/30/2018 12:00	62.70	7380	181	2.50
8/30/2018 13:00	63.40	7656	212	2.80
8/30/2018 14:00	61.90	8882	225	2.50
8/30/2018 15:00	52.10	8857	661	7.50
8/30/2018 16:00	42.80	8737	705	8.10
8/30/2018 17:00	41.40	9048	559	6.20
8/30/2018 18:00	55.00	9117	482	5.30
8/30/2018 19:00	64.60	7198	166	2.30
8/30/2018 20:00	67.10	5003	90	1.80
8/30/2018 21:00	68.80	4115	61	1.50
8/30/2018 22:00	68.20	2952	30	1.00
8/30/2018 23:00	67.90	2148	12	0.60
8/31/2018 0:00	69.70	1306	6	0.50
8/31/2018 1:00	69.60	808	3	0.40
8/31/2018 2:00	69.20	949	3	0.30
8/31/2018 3:00	69.20	861	6	0.70
8/31/2018 4:00	67.90	1129	7	0.60
8/31/2018 5:00	67.60	2407	16	0.70
8/31/2018 6:00	65.60	4421	66	1.50
8/31/2018 7:00	64.70	6522	153	2.30
8/31/2018 8:00	64.30	6887	117	1.70
8/31/2018 9:00	64.00	6872	188	2.70
8/31/2018 10:00	62.70	6943	187	2.70
8/31/2018 11:00	62.90	7558	174	2.30
8/31/2018 12:00	53.10	8513	272	3.20
8/31/2018 13:00	61.00	9021	302	3.30
8/31/2018 14:00	60.30	9366	335	3.60
8/31/2018 15:00	58.20	9237	416	4.50
8/31/2018 16:00	60.10	9407	269	2.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/31/2018 17:00	53.20	9583	343	3.60
8/31/2018 18:00	64.40	8163	228	2.80
8/31/2018 19:00	64.40	6724	146	2.20
8/31/2018 20:00	65.30	5453	95	1.70
8/31/2018 21:00	67.70	4242	41	1.00
8/31/2018 22:00	68.00	3660	55	1.50
8/31/2018 23:00	68.50	2839	23	0.80
9/01/2018 0:00	68.80	1956	20	1.00
9/01/2018 1:00	68.80	1290	7	0.50
9/01/2018 2:00	68.90	864	5	0.60
9/01/2018 3:00	68.50	671	2	0.30
9/01/2018 4:00	68.40	770	0	0.00
9/01/2018 5:00	68.60	1222	10	0.80
9/01/2018 6:00	68.20	2271	18	0.80
9/01/2018 7:00	67.20	3380	31	0.90
9/01/2018 8:00	66.70	4707	59	1.30
9/01/2018 9:00	65.40	5834	148	2.50
9/01/2018 10:00	65.40	6523	176	2.70
9/01/2018 11:00	65.20	6955	205	2.90
9/01/2018 12:00	64.80	7316	194	2.70
9/01/2018 13:00	64.60	7220	205	2.80
9/01/2018 14:00	64.40	7059	174	2.50
9/01/2018 15:00	65.20	7055	209	3.00
9/01/2018 16:00	65.30	6912	157	2.30
9/01/2018 17:00	65.90	6817	197	2.90
9/01/2018 18:00	65.80	6511	149	2.30
9/01/2018 19:00	67.10	5259	139	2.60
9/01/2018 20:00	66.20	4400	89	2.00
9/01/2018 21:00	67.40	3777	69	1.80
9/01/2018 22:00	67.90	3288	55	1.70
9/01/2018 23:00	68.70	2493	26	1.00
9/02/2018 0:00	69.80	8515	0	0.00
9/02/2018 1:00	75.10	6099	0	0.00
9/02/2018 2:00	73.60	5484	0	0.00
9/02/2018 3:00	73.20	4486	0	0.00
9/02/2018 4:00	72.00	4419	4	0.10
9/02/2018 5:00	72.80	5899	0	0.00
9/02/2018 6:00	70.10	8314	3	0.00
9/02/2018 7:00	65.40	10243	2	0.00
9/02/2018 8:00	59.50	11798	0	0.00
9/02/2018 9:00	53.60	12762	0	0.00
9/02/2018 10:00	50.20	13429	0	0.00
9/02/2018 11:00	48.10	13524	0	0.00
9/02/2018 12:00	47.10	13425	0	0.00
9/02/2018 13:00	46.70	12998	5	0.00
9/02/2018 14:00	46.60	13294	0	0.00
9/02/2018 15:00	47.10	13298	3	0.00
9/02/2018 16:00	47.60	13332	1	0.00
9/02/2018 17:00	48.70	13490	0	0.00
9/02/2018 18:00	49.70	13142	0	0.00
9/02/2018 19:00	51.00	12747	1	0.00
9/02/2018 20:00	53.80	10206	0	0.00



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/02/2018 21:00	70.90	12048	0	0.00
9/02/2018 22:00	72.00	10877	0	0.00
9/02/2018 23:00	71.40	9607	0	0.00
9/03/2018 0:00	69.40	1354	5	0.40
9/03/2018 1:00	70.20	894	3	0.30
9/03/2018 2:00	70.10	761	1	0.10
9/03/2018 3:00	69.40	925	10	1.10
9/03/2018 4:00	69.10	950	3	0.30
9/03/2018 5:00	69.30	986	1	0.10
9/03/2018 6:00	68.90	1470	3	0.20
9/03/2018 7:00	68.00	2170	12	0.60
9/03/2018 8:00	67.70	2919	38	1.30
9/03/2018 9:00	67.00	3853	76	2.00
9/03/2018 10:00	67.20	4658	81	1.70
9/03/2018 11:00	65.70	5388	131	2.40
9/03/2018 12:00	65.80	5886	173	2.90
9/03/2018 13:00	66.30	5709	154	2.70
9/03/2018 14:00	68.00	5528	115	2.10
9/03/2018 15:00	67.20	5348	116	2.20
9/03/2018 16:00	67.20	5101	129	2.50
9/03/2018 17:00	67.80	4857	99	2.00
9/03/2018 18:00	67.30	4737	116	2.40
9/03/2018 19:00	68.70	4141	70	1.70
9/03/2018 20:00	67.90	3739	70	1.90
9/03/2018 21:00	70.60	3052	46	1.50
9/03/2018 22:00	69.50	2261	21	0.90
9/03/2018 23:00	69.60	1567	17	1.10
9/04/2018 0:00	60.50	8241	0	0.00
9/04/2018 1:00	72.60	6685	1	0.00
9/04/2018 2:00	73.70	5887	4	0.10
9/04/2018 3:00	72.40	7347	1	0.00
9/04/2018 4:00	66.20	12611	3	0.00
9/04/2018 5:00	57.40	13337	1	0.00
9/04/2018 6:00	65.60	5535	84	1.50
9/04/2018 7:00	66.70	6964	173	2.50
9/04/2018 8:00	65.00	6824	127	1.90
9/04/2018 9:00	64.40	6606	145	2.20
9/04/2018 10:00	67.40	11889	52	0.40
9/04/2018 11:00	65.90	9811	96	1.00
9/04/2018 12:00	64.10	7225	206	2.90
9/04/2018 13:00	63.70	7326	192	2.60
9/04/2018 14:00	63.90	8878	232	2.60
9/04/2018 15:00	55.80	9004	652	7.20
9/04/2018 16:00	38.30	8600	1075	12.50
9/04/2018 17:00	36.20	8696	924	10.60
9/04/2018 18:00	62.10	12056	221	1.80
9/04/2018 19:00	68.50	17535	0	0.00
9/04/2018 20:00	78.60	17202	0	0.00
9/04/2018 21:00	80.10	16293	0	0.00
9/04/2018 22:00	81.90	14442	0	0.00
9/04/2018 23:00	80.80	11135	0	0.00
9/05/2018 0:00	69.30	1061	10	0.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/05/2018 1:00	68.90	907	1	0.10
9/05/2018 2:00	69.10	904	2	0.20
9/05/2018 3:00	69.50	799	1	0.10
9/05/2018 4:00	68.70	1114	5	0.40
9/05/2018 5:00	67.40	2556	20	0.80
9/05/2018 6:00	65.80	4825	97	2.00
9/05/2018 7:00	64.80	6923	160	2.30
9/05/2018 8:00	63.00	7257	178	2.50
9/05/2018 9:00	62.60	6535	122	1.90
9/05/2018 10:00	62.40	6399	183	2.90
9/05/2018 11:00	62.30	6632	139	2.10
9/05/2018 12:00	62.50	7469	279	3.70
9/05/2018 13:00	64.20	8377	511	6.10
9/05/2018 14:00	41.50	7538	324	4.30
9/05/2018 15:00	56.30	9184	483	5.30
9/05/2018 16:00	49.80	8934	546	6.10
9/05/2018 17:00	39.00	9037	854	9.50
9/05/2018 18:00	58.20	9412	291	3.10
9/05/2018 19:00	63.90	7009	166	2.40
9/05/2018 20:00	65.50	5027	117	2.30
9/05/2018 21:00	69.20	4178	180	4.30
9/05/2018 22:00	69.90	3053	153	5.00
9/05/2018 23:00	69.40	1902	83	4.40
9/06/2018 0:00	70.10	996	22	2.20
9/06/2018 1:00	71.00	459	0	0.00
9/06/2018 2:00	69.40	568	12	2.10
9/06/2018 3:00	69.50	576	5	0.90
9/06/2018 4:00	70.00	1186	25	2.10
9/06/2018 5:00	71.30	3577	79	2.20
9/06/2018 6:00	67.10	6833	214	3.10
9/06/2018 7:00	65.70	8062	214	2.70
9/06/2018 8:00	64.80	8078	302	3.70
9/06/2018 9:00	64.80	8154	467	5.70
9/06/2018 10:00	64.40	7506	430	5.70
9/06/2018 11:00	64.50	6799	169	2.50
9/06/2018 12:00	64.00	7574	236	3.10
9/06/2018 13:00	63.60	7520	186	2.50
9/06/2018 14:00	62.70	8702	257	3.00
9/06/2018 15:00	38.70	7916	834	10.50
9/06/2018 16:00	36.60	7605	509	6.70
9/06/2018 17:00	33.80	8178	536	6.60
9/06/2018 18:00	49.80	9206	714	7.80
9/06/2018 19:00	64.20	6798	166	2.40
9/06/2018 20:00	67.40	4992	126	2.50
9/06/2018 21:00	68.90	4110	118	2.90
9/06/2018 22:00	68.60	2739	25	0.90
9/06/2018 23:00	67.60	1870	10	0.50
9/07/2018 0:00	69.00	1367	8	0.60
9/07/2018 1:00	68.70	1207	8	0.70
9/07/2018 2:00	68.40	1009	3	0.30
9/07/2018 3:00	68.80	907	3	0.30
9/07/2018 4:00	68.70	1188	5	0.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/07/2018 5:00	68.90	2610	22	0.80
9/07/2018 6:00	66.80	5484	164	3.00
9/07/2018 7:00	66.00	7142	206	2.90
9/07/2018 8:00	64.90	6946	122	1.80
9/07/2018 9:00	64.30	6566	159	2.40
9/07/2018 10:00	64.20	6692	148	2.20
9/07/2018 11:00	63.70	7336	150	2.00
9/07/2018 12:00	62.90	7675	212	2.80
9/07/2018 13:00	62.90	8081	238	2.90
9/07/2018 14:00	62.00	9082	328	3.60
9/07/2018 15:00	63.20	8947	281	3.10
9/07/2018 16:00	56.90	9065	399	4.40
9/07/2018 17:00	62.80	9155	275	3.00
9/07/2018 18:00	62.60	8613	264	3.10
9/07/2018 19:00	66.20	6551	187	2.90
9/07/2018 20:00	66.20	5433	126	2.30
9/07/2018 21:00	67.90	4238	63	1.50
9/07/2018 22:00	68.90	3537	40	1.10
9/07/2018 23:00	68.60	2613	21	0.80
9/08/2018 0:00	69.00	1741	11	0.60
9/08/2018 1:00	69.60	1000	5	0.50
9/08/2018 2:00	69.00	1094	2	0.20
9/08/2018 3:00	69.20	999	7	0.70
9/08/2018 4:00	68.70	1097	4	0.40
9/08/2018 5:00	68.40	1375	1	0.10
9/08/2018 6:00	69.00	2335	21	0.90
9/08/2018 7:00	67.30	3646	46	1.30
9/08/2018 8:00	66.60	4728	67	1.40
9/08/2018 9:00	66.20	5687	97	1.70
9/08/2018 10:00	66.00	6622	171	2.60
9/08/2018 11:00	64.90	6957	177	2.50
9/08/2018 12:00	64.00	7489	232	3.10
9/08/2018 13:00	64.00	7631	246	3.20
9/08/2018 14:00	64.90	7417	181	2.40
9/08/2018 15:00	65.30	6993	186	2.70
9/08/2018 16:00	64.30	6938	168	2.40
9/08/2018 17:00	64.70	6470	163	2.50
9/08/2018 18:00	65.90	6185	187	3.00
9/08/2018 19:00	65.70	5482	119	2.20
9/08/2018 20:00	65.40	4658	120	2.60
9/08/2018 21:00	64.10	4651	145	3.10
9/08/2018 22:00	65.70	4548	107	2.40
9/08/2018 23:00	67.10	2746	58	2.10
9/09/2018 0:00	64.00	12733	1	0.00
9/09/2018 1:00	78.10	9466	0	0.00
9/09/2018 2:00	77.00	7406	1	0.00
9/09/2018 3:00	66.40	4658	4	0.10
9/09/2018 4:00	74.60	5736	1	0.00
9/09/2018 5:00	65.70	7312	1	0.00
9/09/2018 6:00	48.00	7046	0	0.00
9/09/2018 7:00	47.50	8829	0	0.00
9/09/2018 8:00	39.40	9446	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/09/2018 9:00	41.60	13263	14	0.10
9/09/2018 10:00	51.90	17616	0	0.00
9/09/2018 11:00	50.10	17039	0	0.00
9/09/2018 12:00	47.70	16720	0	0.00
9/09/2018 13:00	46.10	16213	2	0.00
9/09/2018 14:00	47.80	16382	0	0.00
9/09/2018 15:00	49.00	16702	0	0.00
9/09/2018 16:00	48.70	16969	0	0.00
9/09/2018 17:00	50.20	17295	1	0.00
9/09/2018 18:00	51.90	17124	1	0.00
9/09/2018 19:00	53.30	17040	0	0.00
9/09/2018 20:00	56.50	16511	1	0.00
9/09/2018 21:00	74.20	15930	0	0.00
9/09/2018 22:00	79.80	14653	0	0.00
9/09/2018 23:00	77.50	12134	2	0.00
9/10/2018 0:00	69.30	871	5	0.60
9/10/2018 1:00	68.80	801	4	0.50
9/10/2018 2:00	69.00	795	3	0.40
9/10/2018 3:00	69.20	802	5	0.60
9/10/2018 4:00	68.30	1173	2	0.20
9/10/2018 5:00	67.90	2677	22	0.80
9/10/2018 6:00	66.20	4539	74	1.60
9/10/2018 7:00	67.50	6554	154	2.30
9/10/2018 8:00	64.10	6905	161	2.30
9/10/2018 9:00	63.20	6457	123	1.90
9/10/2018 10:00	62.50	6117	140	2.30
9/10/2018 11:00	61.90	6431	122	1.90
9/10/2018 12:00	61.70	6789	161	2.40
9/10/2018 13:00	60.40	7552	224	3.00
9/10/2018 14:00	59.80	9072	309	3.40
9/10/2018 15:00	57.90	8909	335	3.80
9/10/2018 16:00	52.80	8840	635	7.20
9/10/2018 17:00	47.50	8609	690	8.00
9/10/2018 18:00	62.20	8032	209	2.60
9/10/2018 19:00	65.20	5728	159	2.80
9/10/2018 20:00	66.50	4340	80	1.80
9/10/2018 21:00	66.80	3526	61	1.70
9/10/2018 22:00	68.10	2446	19	0.80
9/10/2018 23:00	68.40	1652	6	0.40
9/11/2018 0:00	62.50	1075	5	0.50
9/11/2018 1:00	58.20	901	3	0.30
9/11/2018 2:00	56.20	859	2	0.20
9/11/2018 3:00	53.90	903	4	0.40
9/11/2018 4:00	51.30	1198	10	0.80
9/11/2018 5:00	52.30	2672	19	0.70
9/11/2018 6:00	53.20	4868	94	1.90
9/11/2018 7:00	53.70	6987	166	2.40
9/11/2018 8:00	52.90	6641	160	2.40
9/11/2018 9:00	51.50	6485	132	2.00
9/11/2018 10:00	51.80	6414	181	2.80
9/11/2018 11:00	51.30	6509	187	2.90
9/11/2018 12:00	51.30	6959	171	2.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/11/2018 13:00	51.60	7241	189	2.60
9/11/2018 14:00	50.30	8795	265	3.00
9/11/2018 15:00	37.90	8406	780	9.30
9/11/2018 16:00	29.30	8150	844	10.40
9/11/2018 17:00	28.00	8252	909	11.00
9/11/2018 18:00	35.00	8883	811	9.10
9/11/2018 19:00	51.90	6721	201	3.00
9/11/2018 20:00	54.10	4852	93	1.90
9/11/2018 21:00	55.00	3780	59	1.60
9/11/2018 22:00	55.60	2703	26	1.00
9/11/2018 23:00	55.20	1740	15	0.90
9/12/2018 0:00	64.20	1323	8	0.60
9/12/2018 1:00	69.30	1026	4	0.40
9/12/2018 2:00	69.00	870	6	0.70
9/12/2018 3:00	69.00	872	6	0.70
9/12/2018 4:00	68.10	1139	5	0.40
9/12/2018 5:00	67.90	2529	12	0.50
9/12/2018 6:00	65.40	4755	88	1.90
9/12/2018 7:00	65.90	6537	149	2.30
9/12/2018 8:00	63.30	6848	164	2.40
9/12/2018 9:00	63.00	6541	120	1.80
9/12/2018 10:00	63.00	6182	135	2.20
9/12/2018 11:00	62.80	6623	150	2.30
9/12/2018 12:00	62.80	7066	188	2.70
9/12/2018 13:00	61.90	7488	216	2.90
9/12/2018 14:00	60.50	8794	281	3.20
9/12/2018 15:00	59.60	8919	222	2.50
9/12/2018 16:00	41.50	8281	760	9.20
9/12/2018 17:00	34.80	7846	856	10.90
9/12/2018 18:00	36.60	8167	979	12.00
9/12/2018 19:00	61.20	6972	193	2.80
9/12/2018 20:00	65.00	4878	81	1.70
9/12/2018 21:00	68.20	4176	70	1.70
9/12/2018 22:00	67.80	2780	37	1.30
9/12/2018 23:00	67.90	1729	20	1.20
9/13/2018 0:00	63.80	1186	19	1.60
9/13/2018 1:00	66.60	931	7	0.80
9/13/2018 2:00	66.60	751	6	0.80
9/13/2018 3:00	65.80	604	6	1.00
9/13/2018 4:00	65.70	1007	15	1.50
9/13/2018 5:00	68.00	2606	16	0.60
9/13/2018 6:00	66.40	4694	83	1.80
9/13/2018 7:00	68.00	6217	133	2.10
9/13/2018 8:00	66.70	6434	161	2.50
9/13/2018 9:00	63.70	6833	107	1.60
9/13/2018 10:00	63.60	6486	155	2.40
9/13/2018 11:00	64.20	6746	149	2.20
9/13/2018 12:00	62.80	7309	207	2.80
9/13/2018 13:00	63.60	7610	188	2.50
9/13/2018 14:00	61.90	8999	269	3.00
9/13/2018 15:00	61.10	8962	311	3.50
9/13/2018 16:00	56.90	9239	543	5.90

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/13/2018 17:00	43.00	8688	298	3.40
9/13/2018 18:00	58.90	9263	310	3.30
9/13/2018 19:00	64.90	6832	183	2.70
9/13/2018 20:00	67.10	5064	95	1.90
9/13/2018 21:00	67.50	4065	62	1.50
9/13/2018 22:00	68.60	3042	41	1.30
9/13/2018 23:00	68.80	1937	10	0.50
9/14/2018 0:00	69.20	1275	10	0.80
9/14/2018 1:00	69.30	902	6	0.70
9/14/2018 2:00	69.30	923	2	0.20
9/14/2018 3:00	68.60	952	5	0.50
9/14/2018 4:00	67.50	1272	13	1.00
9/14/2018 5:00	68.50	2503	17	0.70
9/14/2018 6:00	66.60	4475	66	1.50
9/14/2018 7:00	65.80	6488	160	2.50
9/14/2018 8:00	65.10	6846	182	2.70
9/14/2018 9:00	63.50	6716	178	2.70
9/14/2018 10:00	64.40	6696	169	2.50
9/14/2018 11:00	63.00	7511	181	2.40
9/14/2018 12:00	64.20	7659	203	2.70
9/14/2018 13:00	63.60	8111	270	3.30
9/14/2018 14:00	62.60	8749	266	3.00
9/14/2018 15:00	61.10	8526	162	1.90
9/14/2018 16:00	63.00	9016	271	3.00
9/14/2018 17:00	59.40	9052	218	2.40
9/14/2018 18:00	60.50	9011	324	3.60
9/14/2018 19:00	65.60	6731	194	2.90
9/14/2018 20:00	67.50	5124	121	2.40
9/14/2018 21:00	68.70	4271	62	1.50
9/14/2018 22:00	68.80	3539	46	1.30
9/14/2018 23:00	69.30	2558	23	0.90
9/15/2018 0:00	68.70	1788	10	0.60
9/15/2018 1:00	69.30	1221	7	0.60
9/15/2018 2:00	69.50	815	1	0.10
9/15/2018 3:00	70.00	683	0	0.00
9/15/2018 4:00	68.90	827	3	0.40
9/15/2018 5:00	68.10	1368	9	0.70
9/15/2018 6:00	66.90	2398	27	1.10
9/15/2018 7:00	67.40	3637	47	1.30
9/15/2018 8:00	66.40	5224	112	2.10
9/15/2018 9:00	65.70	5796	137	2.40
9/15/2018 10:00	65.40	6612	185	2.80
9/15/2018 11:00	65.10	6988	218	3.10
9/15/2018 12:00	64.80	7399	213	2.90
9/15/2018 13:00	64.60	7365	207	2.80
9/15/2018 14:00	65.20	7266	192	2.60
9/15/2018 15:00	65.50	6953	192	2.80
9/15/2018 16:00	66.80	6878	218	3.20
9/15/2018 17:00	66.80	6825	196	2.90
9/15/2018 18:00	67.10	6140	154	2.50
9/15/2018 19:00	67.00	5021	113	2.30
9/15/2018 20:00	67.50	4388	122	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/15/2018 21:00	67.60	4045	96	2.40
9/15/2018 22:00	67.30	3846	90	2.30
9/15/2018 23:00	66.60	3302	67	2.00
9/16/2018 0:00	62.10	10076	0	0.00
9/16/2018 1:00	68.30	6945	8	0.10
9/16/2018 2:00	71.90	5504	1	0.00
9/16/2018 3:00	75.40	4261	2	0.00
9/16/2018 4:00	73.20	4621	5	0.10
9/16/2018 5:00	76.00	6320	1	0.00
9/16/2018 6:00	70.20	8817	0	0.00
9/16/2018 7:00	65.10	10819	1	0.00
9/16/2018 8:00	60.70	12251	2	0.00
9/16/2018 9:00	53.70	13059	0	0.00
9/16/2018 10:00	48.00	13403	2	0.00
9/16/2018 11:00	47.10	13380	1	0.00
9/16/2018 12:00	45.70	13220	1	0.00
9/16/2018 13:00	44.90	12795	0	0.00
9/16/2018 14:00	45.30	12647	0	0.00
9/16/2018 15:00	46.40	12461	0	0.00
9/16/2018 16:00	47.10	12485	0	0.00
9/16/2018 17:00	47.00	12520	0	0.00
9/16/2018 18:00	48.00	12535	0	0.00
9/16/2018 19:00	48.40	12284	0	0.00
9/16/2018 20:00	50.70	12333	0	0.00
9/16/2018 21:00	68.90	11584	0	0.00
9/16/2018 22:00	68.00	10136	0	0.00
9/16/2018 23:00	69.70	8328	1	0.00
9/17/2018 0:00	69.20	1013	3	0.30
9/17/2018 1:00	69.00	790	2	0.30
9/17/2018 2:00	68.80	829	6	0.70
9/17/2018 3:00	69.00	825	5	0.60
9/17/2018 4:00	67.80	1200	6	0.50
9/17/2018 5:00	68.30	2582	21	0.80
9/17/2018 6:00	66.50	4509	76	1.70
9/17/2018 7:00	66.00	6556	153	2.30
9/17/2018 8:00	64.80	6786	116	1.70
9/17/2018 9:00	63.50	6343	156	2.50
9/17/2018 10:00	62.10	6041	174	2.90
9/17/2018 11:00	62.10	6348	115	1.80
9/17/2018 12:00	61.70	6810	196	2.90
9/17/2018 13:00	61.30	7354	248	3.40
9/17/2018 14:00	59.70	8785	293	3.30
9/17/2018 15:00	52.30	8501	538	6.30
9/17/2018 16:00	49.30	8210	580	7.10
9/17/2018 17:00	44.20	8513	652	7.70
9/17/2018 18:00	46.70	7751	587	7.60
9/17/2018 19:00	65.90	5770	135	2.30
9/17/2018 20:00	66.50	4404	74	1.70
9/17/2018 21:00	66.10	3517	53	1.50
9/17/2018 22:00	67.50	2709	24	0.90
9/17/2018 23:00	68.50	1678	11	0.70
9/18/2018 0:00	68.70	1124	8	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/18/2018 1:00	69.30	872	4	0.50
9/18/2018 2:00	69.50	882	3	0.30
9/18/2018 3:00	69.00	860	5	0.60
9/18/2018 4:00	68.40	1150	7	0.60
9/18/2018 5:00	68.80	2629	18	0.70
9/18/2018 6:00	66.70	4750	94	2.00
9/18/2018 7:00	66.50	6776	146	2.20
9/18/2018 8:00	52.30	6973	377	5.40
9/18/2018 9:00	45.20	7260	480	6.60
9/18/2018 10:00	63.00	6899	164	2.40
9/18/2018 11:00	63.50	6903	194	2.80
9/18/2018 12:00	63.20	7066	267	3.80
9/18/2018 13:00	63.70	7379	222	3.00
9/18/2018 14:00	62.20	8627	281	3.30
9/18/2018 15:00	49.60	8536	835	9.80
9/18/2018 16:00	54.90	8782	403	4.60
9/18/2018 17:00	53.30	8596	637	7.40
9/18/2018 18:00	60.60	8582	324	3.80
9/18/2018 19:00	66.60	6133	126	2.10
9/18/2018 20:00	67.70	4617	85	1.80
9/18/2018 21:00	67.60	3784	48	1.30
9/18/2018 22:00	68.40	2701	31	1.10
9/18/2018 23:00	68.40	1811	21	1.20
9/19/2018 0:00	68.80	1044	12	1.10
9/19/2018 1:00	69.30	845	2	0.20
9/19/2018 2:00	69.40	911	2	0.20
9/19/2018 3:00	68.90	892	3	0.30
9/19/2018 4:00	68.80	1160	4	0.30
9/19/2018 5:00	68.10	2592	26	1.00
9/19/2018 6:00	64.90	4877	94	1.90
9/19/2018 7:00	65.80	6832	166	2.40
9/19/2018 8:00	58.80	7397	288	3.90
9/19/2018 9:00	62.80	6350	135	2.10
9/19/2018 10:00	63.20	6200	172	2.80
9/19/2018 11:00	61.80	6805	177	2.60
9/19/2018 12:00	61.30	7515	212	2.80
9/19/2018 13:00	61.60	7639	214	2.80
9/19/2018 14:00	61.20	8782	268	3.10
9/19/2018 15:00	56.10	8699	495	5.70
9/19/2018 16:00	59.90	8948	303	3.40
9/19/2018 17:00	47.50	9030	877	9.70
9/19/2018 18:00	48.20	8086	371	4.60
9/19/2018 19:00	64.90	6267	175	2.80
9/19/2018 20:00	65.60	4936	139	2.80
9/19/2018 21:00	67.80	4024	80	2.00
9/19/2018 22:00	69.20	2886	33	1.10
9/19/2018 23:00	68.20	1847	22	1.20
9/20/2018 0:00	69.40	1105	13	1.20
9/20/2018 1:00	70.00	740	2	0.30
9/20/2018 2:00	69.60	875	2	0.20
9/20/2018 3:00	69.70	840	4	0.50
9/20/2018 4:00	68.30	1303	6	0.50



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/20/2018 5:00	67.70	2525	19	0.80
9/20/2018 6:00	66.00	4685	82	1.80
9/20/2018 7:00	66.80	6987	147	2.10
9/20/2018 8:00	64.10	7181	206	2.90
9/20/2018 9:00	64.40	6557	159	2.40
9/20/2018 10:00	64.00	6330	112	1.80
9/20/2018 11:00	65.00	6812	170	2.50
9/20/2018 12:00	63.70	7373	185	2.50
9/20/2018 13:00	62.90	7804	235	3.00
9/20/2018 14:00	62.00	8904	223	2.50
9/20/2018 15:00	54.60	8283	483	5.80
9/20/2018 16:00	66.40	7497	162	2.20
9/20/2018 17:00	63.70	8849	241	2.70
9/20/2018 18:00	60.90	9271	279	3.00
9/20/2018 19:00	63.00	7632	243	3.20
9/20/2018 20:00	67.60	4957	92	1.90
9/20/2018 21:00	68.70	4002	62	1.50
9/20/2018 22:00	68.10	2851	31	1.10
9/20/2018 23:00	69.20	1912	15	0.80
9/21/2018 0:00	68.70	1360	13	1.00
9/21/2018 1:00	68.60	1220	12	1.00
9/21/2018 2:00	68.80	843	0	0.00
9/21/2018 3:00	69.60	760	0	0.00
9/21/2018 4:00	68.30	1345	4	0.30
9/21/2018 5:00	68.20	2558	15	0.60
9/21/2018 6:00	67.10	4377	80	1.80
9/21/2018 7:00	67.10	6442	162	2.50
9/21/2018 8:00	65.50	6905	156	2.30
9/21/2018 9:00	64.50	6640	117	1.80
9/21/2018 10:00	65.00	6624	135	2.00
9/21/2018 11:00	64.80	7029	219	3.10
9/21/2018 12:00	63.60	8087	218	2.70
9/21/2018 13:00	62.40	8416	282	3.40
9/21/2018 14:00	62.00	9250	320	3.50
9/21/2018 15:00	62.50	9187	314	3.40
9/21/2018 16:00	50.00	8926	685	7.70
9/21/2018 17:00	50.20	8930	424	4.70
9/21/2018 18:00	44.60	7409	543	7.30
9/21/2018 19:00	66.10	6574	162	2.50
9/21/2018 20:00	67.70	5183	118	2.30
9/21/2018 21:00	68.50	4301	65	1.50
9/21/2018 22:00	68.90	3776	53	1.40
9/21/2018 23:00	68.80	2491	18	0.70
9/22/2018 0:00	68.80	1806	11	0.60
9/22/2018 1:00	68.80	1115	5	0.40
9/22/2018 2:00	68.60	1092	5	0.50
9/22/2018 3:00	68.90	962	3	0.30
9/22/2018 4:00	68.90	1020	2	0.20
9/22/2018 5:00	68.80	1339	6	0.40
9/22/2018 6:00	68.60	2218	16	0.70
9/22/2018 7:00	68.70	3706	38	1.00
9/22/2018 8:00	66.70	5251	110	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/22/2018 9:00	66.20	6047	117	1.90
9/22/2018 10:00	65.00	6905	198	2.90
9/22/2018 11:00	65.10	7218	192	2.70
9/22/2018 12:00	64.80	7449	222	3.00
9/22/2018 13:00	64.80	7292	209	2.90
9/22/2018 14:00	64.30	7440	209	2.80
9/22/2018 15:00	65.40	7308	169	2.30
9/22/2018 16:00	65.00	7241	172	2.40
9/22/2018 17:00	65.70	6674	164	2.50
9/22/2018 18:00	66.70	5905	134	2.30
9/22/2018 19:00	64.70	5020	153	3.00
9/22/2018 20:00	67.80	4607	117	2.50
9/22/2018 21:00	67.10	4558	104	2.30
9/22/2018 22:00	67.20	3765	84	2.20
9/22/2018 23:00	65.30	3466	80	2.30
9/23/2018 0:00	64.10	9578	3	0.00
9/23/2018 1:00	68.50	6815	0	0.00
9/23/2018 2:00	72.00	5254	0	0.00
9/23/2018 3:00	73.40	4240	0	0.00
9/23/2018 4:00	75.70	4500	4	0.10
9/23/2018 5:00	67.40	5670	1	0.00
9/23/2018 6:00	68.20	8538	1	0.00
9/23/2018 7:00	65.00	10734	1	0.00
9/23/2018 8:00	58.50	12371	0	0.00
9/23/2018 9:00	52.90	13165	4	0.00
9/23/2018 10:00	48.50	13563	1	0.00
9/23/2018 11:00	47.80	13766	0	0.00
9/23/2018 12:00	46.10	13120	0	0.00
9/23/2018 13:00	45.80	13273	1	0.00
9/23/2018 14:00	46.00	13232	0	0.00
9/23/2018 15:00	46.70	13223	0	0.00
9/23/2018 16:00	46.80	13383	0	0.00
9/23/2018 17:00	47.90	13493	2	0.00
9/23/2018 18:00	49.10	13460	0	0.00
9/23/2018 19:00	49.00	12879	0	0.00
9/23/2018 20:00	52.10	12329	0	0.00
9/23/2018 21:00	70.40	11644	1	0.00
9/23/2018 22:00	69.50	10643	0	0.00
9/23/2018 23:00	68.00	9424	1	0.00
9/24/2018 0:00	69.10	1041	3	0.30
9/24/2018 1:00	69.20	760	3	0.40
9/24/2018 2:00	69.20	811	3	0.40
9/24/2018 3:00	68.60	869	5	0.60
9/24/2018 4:00	68.20	1251	7	0.60
9/24/2018 5:00	67.00	2581	20	0.80
9/24/2018 6:00	65.40	4474	94	2.10
9/24/2018 7:00	65.70	6627	189	2.90
9/24/2018 8:00	63.90	6644	149	2.20
9/24/2018 9:00	63.10	6324	133	2.10
9/24/2018 10:00	63.20	5935	128	2.20
9/24/2018 11:00	62.60	6501	162	2.50
9/24/2018 12:00	61.90	6749	177	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/24/2018 13:00	62.30	7239	169	2.30
9/24/2018 14:00	61.30	9042	252	2.80
9/24/2018 15:00	57.90	8903	369	4.10
9/24/2018 16:00	57.90	8955	328	3.70
9/24/2018 17:00	59.20	9056	326	3.60
9/24/2018 18:00	64.30	7506	212	2.80
9/24/2018 19:00	66.00	5491	106	1.90
9/24/2018 20:00	66.30	4244	92	2.20
9/24/2018 21:00	67.00	3319	35	1.10
9/24/2018 22:00	67.50	2330	18	0.80
9/24/2018 23:00	68.70	1494	10	0.70
9/25/2018 0:00	69.10	988	4	0.40
9/25/2018 1:00	69.30	898	3	0.30
9/25/2018 2:00	68.90	836	1	0.10
9/25/2018 3:00	68.90	809	5	0.60
9/25/2018 4:00	68.50	1222	6	0.50
9/25/2018 5:00	68.70	2572	17	0.70
9/25/2018 6:00	66.00	4682	95	2.00
9/25/2018 7:00	66.70	6952	142	2.00
9/25/2018 8:00	45.30	7019	565	8.00
9/25/2018 9:00	47.10	7242	403	5.60
9/25/2018 10:00	64.60	6311	126	2.00
9/25/2018 11:00	64.40	6620	169	2.60
9/25/2018 12:00	64.30	7135	199	2.80
9/25/2018 13:00	64.50	7338	208	2.80
9/25/2018 14:00	62.80	8583	258	3.00
9/25/2018 15:00	62.20	8927	281	3.10
9/25/2018 16:00	62.40	9014	307	3.40
9/25/2018 17:00	58.00	8571	469	5.50
9/25/2018 18:00	51.50	8576	531	6.20
9/25/2018 19:00	65.00	6304	151	2.40
9/25/2018 20:00	67.90	4556	71	1.60
9/25/2018 21:00	68.20	3853	71	1.80
9/25/2018 22:00	69.00	2528	21	0.80
9/25/2018 23:00	68.00	1682	13	0.80
9/26/2018 0:00	69.20	1224	5	0.40
9/26/2018 1:00	69.20	1002	3	0.30
9/26/2018 2:00	69.10	872	3	0.30
9/26/2018 3:00	69.10	786	3	0.40
9/26/2018 4:00	67.60	1159	3	0.30
9/26/2018 5:00	68.70	2477	19	0.80
9/26/2018 6:00	66.70	4569	73	1.60
9/26/2018 7:00	67.50	6564	144	2.20
9/26/2018 8:00	64.90	7062	160	2.30
9/26/2018 9:00	64.90	6485	153	2.40
9/26/2018 10:00	64.80	6448	134	2.10
9/26/2018 11:00	64.70	6803	183	2.70
9/26/2018 12:00	64.30	7244	183	2.50
9/26/2018 13:00	60.50	7455	156	2.10
9/26/2018 14:00	61.50	8826	285	3.20
9/26/2018 15:00	46.60	8382	729	8.70
9/26/2018 16:00	64.90	8413	235	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/26/2018 17:00	62.90	9029	270	3.00
9/26/2018 18:00	59.30	8349	404	4.80
9/26/2018 19:00	66.40	6338	174	2.70
9/26/2018 20:00	67.90	4699	72	1.50
9/26/2018 21:00	68.20	3950	55	1.40
9/26/2018 22:00	68.90	2806	28	1.00
9/26/2018 23:00	68.80	1758	11	0.60
9/27/2018 0:00	69.60	1141	9	0.80
9/27/2018 1:00	69.80	895	8	0.90
9/27/2018 2:00	69.10	915	7	0.80
9/27/2018 3:00	69.30	829	1	0.10
9/27/2018 4:00	68.40	1097	6	0.50
9/27/2018 5:00	68.30	2384	33	1.40
9/27/2018 6:00	67.20	4282	92	2.10
9/27/2018 7:00	67.00	6778	163	2.40
9/27/2018 8:00	65.30	6839	171	2.50
9/27/2018 9:00	63.10	6548	124	1.90
9/27/2018 10:00	63.40	6652	156	2.30
9/27/2018 11:00	63.20	6708	171	2.50
9/27/2018 12:00	62.80	7308	199	2.70
9/27/2018 13:00	62.40	7557	198	2.60
9/27/2018 14:00	62.80	8592	258	3.00
9/27/2018 15:00	63.00	8745	296	3.40
9/27/2018 16:00	55.50	8372	415	5.00
9/27/2018 17:00	63.20	9014	287	3.20
9/27/2018 18:00	63.10	8077	213	2.60
9/27/2018 19:00	60.90	5810	118	2.00
9/27/2018 20:00	62.30	5101	111	2.20
9/27/2018 21:00	67.30	3989	57	1.40
9/27/2018 22:00	67.70	2985	38	1.30
9/27/2018 23:00	66.80	2277	16	0.70
9/28/2018 0:00	65.30	2557	29	1.10
9/28/2018 1:00	66.30	2041	31	1.50
9/28/2018 2:00	68.90	713	2	0.30
9/28/2018 3:00	68.80	941	6	0.60
9/28/2018 4:00	68.40	1123	2	0.20
9/28/2018 5:00	68.70	2526	17	0.70
9/28/2018 6:00	66.30	4493	85	1.90
9/28/2018 7:00	66.90	6509	153	2.40
9/28/2018 8:00	65.30	6822	142	2.10
9/28/2018 9:00	64.70	6462	157	2.40
9/28/2018 10:00	64.40	6644	123	1.90
9/28/2018 11:00	64.20	7281	182	2.50
9/28/2018 12:00	62.90	7790	238	3.10
9/28/2018 13:00	62.70	8034	240	3.00
9/28/2018 14:00	61.10	9158	324	3.50
9/28/2018 15:00	58.30	8865	471	5.30
9/28/2018 16:00	40.80	8418	811	9.60
9/28/2018 17:00	61.80	8859	270	3.00
9/28/2018 18:00	62.20	8715	271	3.10
9/28/2018 19:00	65.50	6576	181	2.80
9/28/2018 20:00	66.80	5127	91	1.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/28/2018 21:00	67.90	4172	80	1.90
9/28/2018 22:00	68.40	3582	46	1.30
9/28/2018 23:00	68.30	2611	24	0.90
9/29/2018 0:00	68.90	1810	11	0.60
9/29/2018 1:00	68.80	1124	9	0.80
9/29/2018 2:00	69.00	1072	3	0.30
9/29/2018 3:00	69.00	963	3	0.30
9/29/2018 4:00	68.50	999	1	0.10
9/29/2018 5:00	67.90	1283	2	0.20
9/29/2018 6:00	68.00	2341	15	0.60
9/29/2018 7:00	67.10	3501	35	1.00
9/29/2018 8:00	66.00	5049	79	1.60
9/29/2018 9:00	65.60	5802	139	2.40
9/29/2018 10:00	65.00	6715	182	2.70
9/29/2018 11:00	64.70	7013	214	3.10
9/29/2018 12:00	63.80	7678	196	2.60
9/29/2018 13:00	63.50	7444	194	2.60
9/29/2018 14:00	64.20	7439	183	2.50
9/29/2018 15:00	64.40	7391	216	2.90
9/29/2018 16:00	64.70	7502	227	3.00
9/29/2018 17:00	65.10	7315	194	2.70
9/29/2018 18:00	65.90	6626	132	2.00
9/29/2018 19:00	65.30	5542	149	2.70
9/29/2018 20:00	68.30	4178	72	1.70
9/29/2018 21:00	69.30	3930	79	2.00
9/29/2018 22:00	69.30	3509	32	0.90
9/29/2018 23:00	69.00	2487	32	1.30
9/30/2018 0:00	63.50	11866	0	0.00
9/30/2018 1:00	67.20	9239	0	0.00
9/30/2018 2:00	68.80	5308	0	0.00
9/30/2018 3:00	72.50	5873	0	0.00
9/30/2018 4:00	70.60	6389	2	0.00
9/30/2018 5:00	75.00	9274	0	0.00
9/30/2018 6:00	64.30	9625	0	0.00
9/30/2018 7:00	63.60	14980	0	0.00
9/30/2018 8:00	56.80	16896	1	0.00
9/30/2018 9:00	50.90	12898	1	0.00
9/30/2018 10:00	45.70	17046	0	0.00
9/30/2018 11:00	44.30	16885	17	0.10
9/30/2018 12:00	42.80	16540	0	0.00
9/30/2018 13:00	43.00	16633	0	0.00
9/30/2018 14:00	42.40	16247	0	0.00
9/30/2018 15:00	43.30	16443	0	0.00
9/30/2018 16:00	43.80	16695	1	0.00
9/30/2018 17:00	43.90	16835	0	0.00
9/30/2018 18:00	46.00	16941	0	0.00
9/30/2018 19:00	47.40	16728	0	0.00
9/30/2018 20:00	52.10	16350	0	0.00
9/30/2018 21:00	73.20	15748	0	0.00
9/30/2018 22:00	71.80	14018	0	0.00
9/30/2018 23:00	71.80	11256	0	0.00
10/01/2018 0:00	69.60	959	7	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/01/2018 1:00	69.70	732	1	0.10
10/01/2018 2:00	69.60	788	2	0.30
10/01/2018 3:00	69.10	854	7	0.80
10/01/2018 4:00	68.40	1162	5	0.40
10/01/2018 5:00	68.30	2517	18	0.70
10/01/2018 6:00	66.00	4629	86	1.90
10/01/2018 7:00	66.90	6612	170	2.60
10/01/2018 8:00	64.80	6898	146	2.10
10/01/2018 9:00	64.80	6423	155	2.40
10/01/2018 10:00	64.50	6197	167	2.70
10/01/2018 11:00	64.80	6609	176	2.70
10/01/2018 12:00	65.00	6592	174	2.60
10/01/2018 13:00	64.50	7204	155	2.20
10/01/2018 14:00	63.50	8645	260	3.00
10/01/2018 15:00	55.50	8801	176	2.00
10/01/2018 16:00	55.50	9328	277	3.00
10/01/2018 17:00	63.20	9510	266	2.80
10/01/2018 18:00	64.80	8076	212	2.60
10/01/2018 19:00	67.40	5718	120	2.10
10/01/2018 20:00	68.30	4174	84	2.00
10/01/2018 21:00	67.90	3632	55	1.50
10/01/2018 22:00	68.20	2402	21	0.90
10/01/2018 23:00	68.80	1531	11	0.70
10/02/2018 0:00	69.60	918	2	0.20
10/02/2018 1:00	69.70	886	7	0.80
10/02/2018 2:00	69.20	867	3	0.30
10/02/2018 3:00	69.10	853	6	0.70
10/02/2018 4:00	68.70	1111	5	0.50
10/02/2018 5:00	67.60	2638	30	1.10
10/02/2018 6:00	65.20	4675	81	1.70
10/02/2018 7:00	66.10	6884	154	2.20
10/02/2018 8:00	64.80	6946	195	2.80
10/02/2018 9:00	64.80	6442	109	1.70
10/02/2018 10:00	64.30	6418	142	2.20
10/02/2018 11:00	64.30	6747	202	3.00
10/02/2018 12:00	63.80	6974	178	2.60
10/02/2018 13:00	63.70	7139	192	2.70
10/02/2018 14:00	63.20	8335	237	2.80
10/02/2018 15:00	63.20	8604	255	3.00
10/02/2018 16:00	60.80	9229	314	3.40
10/02/2018 17:00	60.50	9282	325	3.50
10/02/2018 18:00	63.10	8131	210	2.60
10/02/2018 19:00	66.20	6054	133	2.20
10/02/2018 20:00	68.10	4687	80	1.70
10/02/2018 21:00	68.30	3696	38	1.00
10/02/2018 22:00	68.00	2619	25	1.00
10/02/2018 23:00	68.60	1614	10	0.60
10/03/2018 0:00	69.30	1067	5	0.50
10/03/2018 1:00	68.80	913	1	0.10
10/03/2018 2:00	69.00	821	2	0.20
10/03/2018 3:00	69.40	776	3	0.40
10/03/2018 4:00	68.50	1158	3	0.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/03/2018 5:00	67.90	2506	21	0.80
10/03/2018 6:00	66.30	4628	78	1.70
10/03/2018 7:00	65.70	6920	169	2.40
10/03/2018 8:00	64.60	6978	171	2.50
10/03/2018 9:00	64.50	6380	128	2.00
10/03/2018 10:00	64.70	6302	117	1.90
10/03/2018 11:00	64.10	6652	148	2.20
10/03/2018 12:00	63.60	7229	191	2.60
10/03/2018 13:00	64.10	7457	178	2.40
10/03/2018 14:00	63.40	8707	227	2.60
10/03/2018 15:00	60.50	8954	306	3.40
10/03/2018 16:00	52.50	8673	474	5.50
10/03/2018 17:00	52.50	9337	378	4.00
10/03/2018 18:00	63.50	8110	262	3.20
10/03/2018 19:00	66.10	6050	148	2.40
10/03/2018 20:00	68.60	4592	84	1.80
10/03/2018 21:00	67.90	4057	62	1.50
10/03/2018 22:00	68.50	2687	23	0.90
10/03/2018 23:00	68.60	1667	17	1.00
10/04/2018 0:00	66.70	1395	9	0.60
10/04/2018 1:00	66.30	1417	10	0.70
10/04/2018 2:00	66.20	1269	6	0.50
10/04/2018 3:00	66.30	1328	4	0.30
10/04/2018 4:00	66.20	1704	6	0.40
10/04/2018 5:00	67.20	2977	21	0.70
10/04/2018 6:00	63.70	4647	80	1.70
10/04/2018 7:00	62.20	6031	184	3.10
10/04/2018 8:00	61.70	6156	197	3.20
10/04/2018 9:00	61.40	5934	184	3.10
10/04/2018 10:00	61.40	5768	186	3.20
10/04/2018 11:00	61.80	6121	174	2.80
10/04/2018 12:00	61.50	6618	214	3.20
10/04/2018 13:00	61.30	6984	246	3.50
10/04/2018 14:00	61.10	7953	307	3.90
10/04/2018 15:00	61.00	8519	269	3.20
10/04/2018 16:00	58.20	9185	229	2.50
10/04/2018 17:00	39.80	8877	642	7.20
10/04/2018 18:00	58.40	8263	276	3.30
10/04/2018 19:00	63.00	6413	187	2.90
10/04/2018 20:00	67.30	4870	81	1.70
10/04/2018 21:00	67.60	4084	67	1.60
10/04/2018 22:00	68.70	2815	27	1.00
10/04/2018 23:00	68.00	1922	19	1.00
10/05/2018 0:00	68.60	1231	14	1.10
10/05/2018 1:00	69.10	1084	3	0.30
10/05/2018 2:00	68.70	955	4	0.40
10/05/2018 3:00	69.00	877	11	1.30
10/05/2018 4:00	68.60	1165	10	0.90
10/05/2018 5:00	69.10	2315	29	1.30
10/05/2018 6:00	64.90	4686	110	2.30
10/05/2018 7:00	66.10	5938	180	3.00
10/05/2018 8:00	64.70	6959	150	2.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/05/2018 9:00	64.40	6528	151	2.30
10/05/2018 10:00	64.20	6777	192	2.80
10/05/2018 11:00	63.70	7547	236	3.10
10/05/2018 12:00	63.10	7782	203	2.60
10/05/2018 13:00	62.40	8319	279	3.40
10/05/2018 14:00	61.40	9128	289	3.20
10/05/2018 15:00	51.00	8820	697	7.90
10/05/2018 16:00	49.60	9250	488	5.30
10/05/2018 17:00	59.50	9191	419	4.60
10/05/2018 18:00	58.90	8304	336	4.00
10/05/2018 19:00	65.90	6487	182	2.80
10/05/2018 20:00	67.20	5108	114	2.20
10/05/2018 21:00	68.10	4145	69	1.70
10/05/2018 22:00	68.50	3430	37	1.10
10/05/2018 23:00	68.50	2613	19	0.70
10/06/2018 0:00	68.60	1833	17	0.90
10/06/2018 1:00	68.80	1288	6	0.50
10/06/2018 2:00	68.80	1149	3	0.30
10/06/2018 3:00	68.90	969	7	0.70
10/06/2018 4:00	68.80	913	5	0.50
10/06/2018 5:00	68.30	1297	9	0.70
10/06/2018 6:00	66.80	2274	18	0.80
10/06/2018 7:00	68.60	3891	59	1.50
10/06/2018 8:00	65.70	4825	94	1.90
10/06/2018 9:00	66.40	5878	139	2.40
10/06/2018 10:00	66.90	6353	152	2.40
10/06/2018 11:00	65.10	6859	193	2.80
10/06/2018 12:00	64.70	7249	200	2.80
10/06/2018 13:00	65.00	7224	160	2.20
10/06/2018 14:00	64.80	7104	198	2.80
10/06/2018 15:00	64.80	7179	211	2.90
10/06/2018 16:00	65.70	6760	160	2.40
10/06/2018 17:00	65.60	6658	188	2.80
10/06/2018 18:00	66.40	6068	141	2.30
10/06/2018 19:00	65.10	5004	128	2.60
10/06/2018 20:00	68.30	4059	86	2.10
10/06/2018 21:00	69.00	3574	65	1.80
10/06/2018 22:00	67.70	3549	69	1.90
10/06/2018 23:00	68.90	2632	16	0.60
10/07/2018 0:00	71.20	12043	1	0.00
10/07/2018 1:00	74.50	8986	0	0.00
10/07/2018 2:00	72.60	7381	0	0.00
10/07/2018 3:00	74.00	6096	0	0.00
10/07/2018 4:00	73.80	6515	2	0.00
10/07/2018 5:00	74.70	8753	1	0.00
10/07/2018 6:00	69.80	11982	0	0.00
10/07/2018 7:00	65.60	14884	0	0.00
10/07/2018 8:00	58.60	16339	0	0.00
10/07/2018 9:00	53.10	17432	9	0.10
10/07/2018 10:00	46.70	17633	6	0.00
10/07/2018 11:00	45.00	17379	4	0.00
10/07/2018 12:00	42.70	16659	0	0.00



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/07/2018 13:00	42.60	16592	0	0.00
10/07/2018 14:00	42.80	16312	2	0.00
10/07/2018 15:00	44.30	16739	0	0.00
10/07/2018 16:00	44.60	16905	0	0.00
10/07/2018 17:00	45.60	17123	0	0.00
10/07/2018 18:00	46.80	17252	0	0.00
10/07/2018 19:00	48.70	16953	0	0.00
10/07/2018 20:00	51.20	16232	0	0.00
10/07/2018 21:00	70.50	15810	0	0.00
10/07/2018 22:00	73.20	14301	0	0.00
10/07/2018 23:00	75.50	11590	0	0.00
10/08/2018 0:00	69.80	996	6	0.60
10/08/2018 1:00	70.20	703	1	0.10
10/08/2018 2:00	69.70	784	3	0.40
10/08/2018 3:00	69.00	797	3	0.40
10/08/2018 4:00	68.70	1045	5	0.50
10/08/2018 5:00	67.60	2085	15	0.70
10/08/2018 6:00	65.50	3906	42	1.10
10/08/2018 7:00	66.40	6248	161	2.60
10/08/2018 8:00	64.50	6502	119	1.80
10/08/2018 9:00	64.90	6337	127	2.00
10/08/2018 10:00	64.40	6281	138	2.20
10/08/2018 11:00	64.60	6685	191	2.90
10/08/2018 12:00	64.60	6988	214	3.10
10/08/2018 13:00	63.70	7377	205	2.80
10/08/2018 14:00	62.70	8711	277	3.20
10/08/2018 15:00	63.40	8805	273	3.10
10/08/2018 16:00	57.90	9021	374	4.10
10/08/2018 17:00	61.30	8589	254	3.00
10/08/2018 18:00	66.50	7206	224	3.10
10/08/2018 19:00	68.10	5329	94	1.80
10/08/2018 20:00	69.70	4181	71	1.70
10/08/2018 21:00	69.10	3272	41	1.30
10/08/2018 22:00	68.80	2344	20	0.90
10/08/2018 23:00	68.50	1638	11	0.70
10/09/2018 0:00	68.90	1257	8	0.60
10/09/2018 1:00	68.90	990	2	0.20
10/09/2018 2:00	69.10	852	2	0.20
10/09/2018 3:00	69.00	859	3	0.30
10/09/2018 4:00	68.50	1194	7	0.60
10/09/2018 5:00	68.90	2556	18	0.70
10/09/2018 6:00	65.30	4589	104	2.30
10/09/2018 7:00	66.30	6952	160	2.30
10/09/2018 8:00	65.60	6864	130	1.90
10/09/2018 9:00	64.50	6468	140	2.20
10/09/2018 10:00	65.00	6109	127	2.10
10/09/2018 11:00	64.10	6539	189	2.90
10/09/2018 12:00	63.90	7000	168	2.40
10/09/2018 13:00	63.00	7169	187	2.60
10/09/2018 14:00	62.20	8788	252	2.90
10/09/2018 15:00	58.50	8940	391	4.40
10/09/2018 16:00	61.50	8918	250	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/09/2018 17:00	56.00	8944	494	5.50
10/09/2018 18:00	57.00	8590	429	5.00
10/09/2018 19:00	66.00	5883	138	2.30
10/09/2018 20:00	67.40	4833	100	2.10
10/09/2018 21:00	68.10	3720	53	1.40
10/09/2018 22:00	68.10	2517	25	1.00
10/09/2018 23:00	68.70	1602	11	0.70
10/10/2018 0:00	69.10	1101	11	1.00
10/10/2018 1:00	69.40	860	4	0.50
10/10/2018 2:00	69.00	803	5	0.60
10/10/2018 3:00	69.40	838	5	0.60
10/10/2018 4:00	68.20	1100	8	0.70
10/10/2018 5:00	68.20	2429	15	0.60
10/10/2018 6:00	66.30	4706	92	2.00
10/10/2018 7:00	65.90	6595	146	2.20
10/10/2018 8:00	64.50	6850	157	2.30
10/10/2018 9:00	64.90	6224	133	2.10
10/10/2018 10:00	64.20	6261	94	1.50
10/10/2018 11:00	63.70	6855	162	2.40
10/10/2018 12:00	63.80	7055	156	2.20
10/10/2018 13:00	63.30	7569	188	2.50
10/10/2018 14:00	62.00	8808	242	2.70
10/10/2018 15:00	61.60	9027	276	3.10
10/10/2018 16:00	35.30	7228	616	8.50
10/10/2018 17:00	30.90	7633	864	11.30
10/10/2018 18:00	41.10	8353	752	9.00
10/10/2018 19:00	64.20	6548	181	2.80
10/10/2018 20:00	67.90	4754	94	2.00
10/10/2018 21:00	68.00	3867	69	1.80
10/10/2018 22:00	67.60	2819	26	0.90
10/10/2018 23:00	68.40	1656	6	0.40
10/11/2018 0:00	69.80	1036	8	0.80
10/11/2018 1:00	70.00	732	4	0.50
10/11/2018 2:00	69.20	851	2	0.20
10/11/2018 3:00	68.80	900	3	0.30
10/11/2018 4:00	68.70	1067	8	0.70
10/11/2018 5:00	67.80	2492	27	1.10
10/11/2018 6:00	65.40	4534	87	1.90
10/11/2018 7:00	65.80	7044	193	2.70
10/11/2018 8:00	64.60	6759	180	2.70
10/11/2018 9:00	64.50	6447	104	1.60
10/11/2018 10:00	64.70	6271	128	2.00
10/11/2018 11:00	64.80	6599	133	2.00
10/11/2018 12:00	63.80	7127	164	2.30
10/11/2018 13:00	62.80	7539	180	2.40
10/11/2018 14:00	62.00	8743	242	2.80
10/11/2018 15:00	62.70	8869	264	3.00
10/11/2018 16:00	60.80	8999	230	2.60
10/11/2018 17:00	61.60	9053	269	3.00
10/11/2018 18:00	60.00	9318	295	3.20
10/11/2018 19:00	62.40	6799	144	2.10
10/11/2018 20:00	68.00	4711	60	1.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/11/2018 21:00	68.90	3790	41	1.10
10/11/2018 22:00	67.90	2844	23	0.80
10/11/2018 23:00	68.30	1933	20	1.00
10/12/2018 0:00	69.50	1175	6	0.50
10/12/2018 1:00	70.10	740	2	0.30
10/12/2018 2:00	68.70	1014	7	0.70
10/12/2018 3:00	69.10	889	3	0.30
10/12/2018 4:00	68.00	1360	7	0.50
10/12/2018 5:00	67.40	2558	16	0.60
10/12/2018 6:00	66.00	4377	58	1.30
10/12/2018 7:00	66.20	6643	176	2.60
10/12/2018 8:00	64.80	6911	198	2.90
10/12/2018 9:00	63.70	6620	147	2.20
10/12/2018 10:00	64.00	6684	145	2.20
10/12/2018 11:00	64.20	7314	170	2.30
10/12/2018 12:00	63.00	7863	219	2.80
10/12/2018 13:00	63.80	8093	210	2.60
10/12/2018 14:00	62.80	9425	278	2.90
10/12/2018 15:00	64.90	9273	284	3.10
10/12/2018 16:00	65.20	9195	315	3.40
10/12/2018 17:00	64.80	8940	216	2.40
10/12/2018 18:00	61.30	8481	253	3.00
10/12/2018 19:00	60.90	6865	209	3.00
10/12/2018 20:00	60.80	5412	160	3.00
10/12/2018 21:00	62.40	4161	125	3.00
10/12/2018 22:00	61.90	2952	88	3.00
10/12/2018 23:00	54.00	2636	68	2.60
10/13/2018 0:00	65.70	1770	16	0.90
10/13/2018 1:00	67.80	1287	9	0.70
10/13/2018 2:00	68.80	1114	8	0.70
10/13/2018 3:00	69.00	922	4	0.40
10/13/2018 4:00	68.20	966	5	0.50
10/13/2018 5:00	68.70	1286	6	0.50
10/13/2018 6:00	68.40	2157	12	0.60
10/13/2018 7:00	68.30	3434	61	1.80
10/13/2018 8:00	67.50	4683	79	1.70
10/13/2018 9:00	66.30	5650	142	2.50
10/13/2018 10:00	65.80	6419	191	3.00
10/13/2018 11:00	65.00	6927	195	2.80
10/13/2018 12:00	64.80	7318	195	2.70
10/13/2018 13:00	65.10	7129	192	2.70
10/13/2018 14:00	65.50	7193	169	2.30
10/13/2018 15:00	65.20	7095	200	2.80
10/13/2018 16:00	65.80	6750	195	2.90
10/13/2018 17:00	66.20	6507	172	2.60
10/13/2018 18:00	65.60	6053	156	2.60
10/13/2018 19:00	65.60	5010	141	2.80
10/13/2018 20:00	68.50	4056	64	1.60
10/13/2018 21:00	68.40	3794	85	2.20
10/13/2018 22:00	69.20	3407	43	1.30
10/13/2018 23:00	69.00	2391	28	1.20
10/14/2018 0:00	40.80	4685	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/14/2018 1:00	43.80	4020	0	0.00
10/14/2018 2:00	46.60	3489	0	0.00
10/14/2018 3:00	47.10	3049	0	0.00
10/14/2018 4:00	42.90	3081	0	0.00
10/14/2018 5:00	43.90	1867	0	0.00
10/14/2018 6:00	41.60	6336	0	0.00
10/14/2018 7:00	39.70	8975	2	0.00
10/14/2018 8:00	43.30	12323	5	0.00
10/14/2018 9:00	50.90	15798	20	0.10
10/14/2018 10:00	48.40	16502	31	0.20
10/14/2018 11:00	46.10	17663	3	0.00
10/14/2018 12:00	44.30	17267	0	0.00
10/14/2018 13:00	43.40	16779	0	0.00
10/14/2018 14:00	44.20	16821	0	0.00
10/14/2018 15:00	43.60	16888	0	0.00
10/14/2018 16:00	44.40	17047	0	0.00
10/14/2018 17:00	45.40	13464	0	0.00
10/14/2018 18:00	47.30	16918	0	0.00
10/14/2018 19:00	49.60	8436	0	0.00
10/14/2018 20:00	57.60	5784	0	0.00
10/14/2018 21:00	71.20	16000	3	0.00
10/14/2018 22:00	78.60	14066	1	0.00
10/14/2018 23:00	73.70	11089	3	0.00
10/15/2018 0:00	69.00	1132	3	0.30
10/15/2018 1:00	69.20	853	2	0.20
10/15/2018 2:00	69.30	815	3	0.40
10/15/2018 3:00	68.50	894	7	0.80
10/15/2018 4:00	68.10	1283	2	0.20
10/15/2018 5:00	68.30	2513	21	0.80
10/15/2018 6:00	65.90	4402	69	1.60
10/15/2018 7:00	65.80	6538	145	2.20
10/15/2018 8:00	64.00	6890	151	2.20
10/15/2018 9:00	63.40	6581	165	2.50
10/15/2018 10:00	63.90	6103	139	2.30
10/15/2018 11:00	63.50	6593	167	2.50
10/15/2018 12:00	63.40	6940	152	2.20
10/15/2018 13:00	63.40	7242	181	2.50
10/15/2018 14:00	62.20	8683	291	3.40
10/15/2018 15:00	61.00	8957	333	3.70
10/15/2018 16:00	61.00	8692	195	2.20
10/15/2018 17:00	60.00	8768	158	1.80
10/15/2018 18:00	61.20	8293	246	3.00
10/15/2018 19:00	66.80	5685	139	2.40
10/15/2018 20:00	67.60	4207	73	1.70
10/15/2018 21:00	68.40	3310	27	0.80
10/15/2018 22:00	68.30	2456	18	0.70
10/15/2018 23:00	68.90	1488	7	0.50
10/16/2018 0:00	69.70	1002	5	0.50
10/16/2018 1:00	69.00	924	2	0.20
10/16/2018 2:00	69.50	837	1	0.10
10/16/2018 3:00	69.00	860	3	0.30
10/16/2018 4:00	68.60	1068	7	0.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/16/2018 5:00	68.40	2619	20	0.80
10/16/2018 6:00	66.30	4568	104	2.30
10/16/2018 7:00	67.30	6680	168	2.50
10/16/2018 8:00	65.70	6639	159	2.40
10/16/2018 9:00	64.50	6203	145	2.30
10/16/2018 10:00	63.90	6447	123	1.90
10/16/2018 11:00	62.50	6710	172	2.60
10/16/2018 12:00	63.50	6718	127	1.90
10/16/2018 13:00	63.60	7005	177	2.50
10/16/2018 14:00	62.70	8832	283	3.20
10/16/2018 15:00	56.50	8871	519	5.90
10/16/2018 16:00	41.50	8875	410	4.60
10/16/2018 17:00	42.10	9054	534	5.90
10/16/2018 18:00	55.90	8690	351	4.00
10/16/2018 19:00	65.10	6583	144	2.20
10/16/2018 20:00	67.80	4676	74	1.60
10/16/2018 21:00	68.40	3574	42	1.20
10/16/2018 22:00	68.00	2623	22	0.80
10/16/2018 23:00	68.00	1785	15	0.80
10/17/2018 0:00	68.80	1006	8	0.80
10/17/2018 1:00	69.10	892	0	0.00
10/17/2018 2:00	69.20	828	1	0.10
10/17/2018 3:00	69.20	813	3	0.40
10/17/2018 4:00	67.60	1099	4	0.40
10/17/2018 5:00	68.30	2446	26	1.10
10/17/2018 6:00	64.10	4621	90	1.90
10/17/2018 7:00	65.20	6679	165	2.50
10/17/2018 8:00	63.30	7026	201	2.90
10/17/2018 9:00	65.40	6486	174	2.70
10/17/2018 10:00	63.00	6283	139	2.20
10/17/2018 11:00	64.40	6646	162	2.40
10/17/2018 12:00	63.10	7221	157	2.20
10/17/2018 13:00	63.00	7620	200	2.60
10/17/2018 14:00	62.00	8684	261	3.00
10/17/2018 15:00	61.30	8776	337	3.80
10/17/2018 16:00	62.30	8969	268	3.00
10/17/2018 17:00	43.90	8855	747	8.40
10/17/2018 18:00	59.80	8734	248	2.80
10/17/2018 19:00	64.10	6597	177	2.70
10/17/2018 20:00	67.40	4820	100	2.10
10/17/2018 21:00	67.30	3965	69	1.70
10/17/2018 22:00	67.90	2783	25	0.90
10/17/2018 23:00	68.30	1698	8	0.50
10/18/2018 0:00	69.30	1033	8	0.80
10/18/2018 1:00	69.60	763	3	0.40
10/18/2018 2:00	69.00	874	5	0.60
10/18/2018 3:00	69.30	766	2	0.30
10/18/2018 4:00	68.40	1117	6	0.50
10/18/2018 5:00	69.20	2537	25	1.00
10/18/2018 6:00	64.80	4743	94	2.00
10/18/2018 7:00	65.10	6961	197	2.80
10/18/2018 8:00	63.70	6962	142	2.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/18/2018 9:00	63.40	6560	173	2.60
10/18/2018 10:00	64.20	6379	141	2.20
10/18/2018 11:00	62.60	6697	215	3.20
10/18/2018 12:00	62.30	7454	235	3.20
10/18/2018 13:00	60.00	7376	162	2.20
10/18/2018 14:00	59.00	8764	265	3.00
10/18/2018 15:00	60.40	8817	335	3.80
10/18/2018 16:00	58.30	8740	396	4.50
10/18/2018 17:00	35.10	7598	553	7.30
10/18/2018 18:00	57.00	8621	396	4.60
10/18/2018 19:00	63.60	6539	150	2.30
10/18/2018 20:00	68.40	4819	105	2.20
10/18/2018 21:00	67.00	3775	37	1.00
10/18/2018 22:00	65.80	2796	34	1.20
10/18/2018 23:00	68.80	1861	12	0.60
10/19/2018 0:00	69.30	1194	9	0.80
10/19/2018 1:00	69.40	761	3	0.40
10/19/2018 2:00	69.00	934	3	0.30
10/19/2018 3:00	69.20	783	3	0.40
10/19/2018 4:00	68.10	1109	4	0.40
10/19/2018 5:00	67.80	2385	31	1.30
10/19/2018 6:00	65.40	4634	93	2.00
10/19/2018 7:00	65.60	6477	188	2.90
10/19/2018 8:00	64.00	6763	165	2.40
10/19/2018 9:00	56.80	6422	269	4.20
10/19/2018 10:00	57.10	6494	333	5.10
10/19/2018 11:00	63.20	7424	247	3.30
10/19/2018 12:00	63.00	7751	243	3.10
10/19/2018 13:00	62.80	8212	265	3.20
10/19/2018 14:00	62.50	8744	276	3.20
10/19/2018 15:00	64.60	8313	275	3.30
10/19/2018 16:00	62.60	9324	292	3.10
10/19/2018 17:00	63.60	8986	256	2.80
10/19/2018 18:00	62.20	8612	273	3.20
10/19/2018 19:00	65.80	6327	173	2.70
10/19/2018 20:00	68.30	5105	90	1.80
10/19/2018 21:00	68.90	4162	63	1.50
10/19/2018 22:00	68.50	3474	35	1.00
10/19/2018 23:00	68.40	2442	22	0.90
10/20/2018 0:00	68.30	1726	23	1.30
10/20/2018 1:00	68.80	1181	6	0.50
10/20/2018 2:00	69.40	782	3	0.40
10/20/2018 3:00	69.30	872	2	0.20
10/20/2018 4:00	68.70	935	3	0.30
10/20/2018 5:00	68.40	1278	6	0.50
10/20/2018 6:00	67.50	2303	34	1.50
10/20/2018 7:00	68.80	3852	51	1.30
10/20/2018 8:00	67.90	4976	92	1.80
10/20/2018 9:00	66.20	5939	166	2.80
10/20/2018 10:00	66.40	6807	183	2.70
10/20/2018 11:00	65.30	6966	228	3.30
10/20/2018 12:00	65.00	7355	207	2.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/20/2018 13:00	64.50	7154	237	3.30
10/20/2018 14:00	65.20	6871	181	2.60
10/20/2018 15:00	66.30	6729	176	2.60
10/20/2018 16:00	65.00	7102	204	2.90
10/20/2018 17:00	65.70	6752	182	2.70
10/20/2018 18:00	65.80	6241	162	2.60
10/20/2018 19:00	65.50	5221	127	2.40
10/20/2018 20:00	66.90	4265	103	2.40
10/20/2018 21:00	66.80	4489	105	2.30
10/20/2018 22:00	66.60	4151	95	2.30
10/20/2018 23:00	65.40	3310	80	2.40
10/21/2018 0:00	68.60	1691	21	1.20
10/21/2018 1:00	68.80	1156	6	0.50
10/21/2018 2:00	69.10	1063	3	0.30
10/21/2018 3:00	69.20	885	4	0.50
10/21/2018 4:00	69.00	904	11	1.20
10/21/2018 5:00	69.10	1004	4	0.40
10/21/2018 6:00	69.20	1643	12	0.70
10/21/2018 7:00	68.50	2143	21	1.00
10/21/2018 8:00	68.40	3445	58	1.70
10/21/2018 9:00	68.00	4476	100	2.20
10/21/2018 10:00	66.30	5327	141	2.60
10/21/2018 11:00	65.50	5614	154	2.70
10/21/2018 12:00	64.70	5921	155	2.60
10/21/2018 13:00	64.30	6016	181	3.00
10/21/2018 14:00	64.20	5975	159	2.70
10/21/2018 15:00	65.00	6121	152	2.50
10/21/2018 16:00	66.10	6141	153	2.50
10/21/2018 17:00	66.20	5789	136	2.30
10/21/2018 18:00	65.30	5408	124	2.30
10/21/2018 19:00	66.80	4662	116	2.50
10/21/2018 20:00	68.40	3891	65	1.70
10/21/2018 21:00	68.40	3038	39	1.30
10/21/2018 22:00	69.00	2301	24	1.00
10/21/2018 23:00	69.10	1402	5	0.40
10/22/2018 0:00	69.80	786	2	0.30
10/22/2018 1:00	69.80	749	5	0.70
10/22/2018 2:00	69.00	795	6	0.80
10/22/2018 3:00	69.40	783	2	0.30
10/22/2018 4:00	68.40	1132	3	0.30
10/22/2018 5:00	68.50	2558	25	1.00
10/22/2018 6:00	65.30	4352	64	1.50
10/22/2018 7:00	66.40	6667	161	2.40
10/22/2018 8:00	64.60	6906	125	1.80
10/22/2018 9:00	63.50	6425	147	2.30
10/22/2018 10:00	64.20	6017	110	1.80
10/22/2018 11:00	63.20	6467	172	2.70
10/22/2018 12:00	62.60	6758	187	2.80
10/22/2018 13:00	63.40	7139	186	2.60
10/22/2018 14:00	48.10	7975	651	8.20
10/22/2018 15:00	61.70	9035	275	3.00
10/22/2018 16:00	62.40	9006	291	3.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/22/2018 17:00	62.20	8886	254	2.90
10/22/2018 18:00	64.50	7196	200	2.80
10/22/2018 19:00	66.20	5395	124	2.30
10/22/2018 20:00	68.30	4295	87	2.00
10/22/2018 21:00	68.80	3335	39	1.20
10/22/2018 22:00	68.40	2456	19	0.80
10/22/2018 23:00	69.00	1487	13	0.90
10/23/2018 0:00	68.80	1147	14	1.20
10/23/2018 1:00	69.20	941	1	0.10
10/23/2018 2:00	69.20	854	3	0.40
10/23/2018 3:00	69.40	833	3	0.40
10/23/2018 4:00	68.50	1164	3	0.30
10/23/2018 5:00	68.60	2542	21	0.80
10/23/2018 6:00	65.90	4655	89	1.90
10/23/2018 7:00	67.20	6876	168	2.40
10/23/2018 8:00	64.70	6710	132	2.00
10/23/2018 9:00	65.10	6367	139	2.20
10/23/2018 10:00	65.10	6189	128	2.10
10/23/2018 11:00	64.00	6586	173	2.60
10/23/2018 12:00	64.60	6703	175	2.60
10/23/2018 13:00	63.50	7528	249	3.30
10/23/2018 14:00	62.90	8718	269	3.10
10/23/2018 15:00	49.70	8526	654	7.70
10/23/2018 16:00	58.40	8890	423	4.80
10/23/2018 17:00	59.40	9097	336	3.70
10/23/2018 18:00	62.10	8386	266	3.20
10/23/2018 19:00	67.00	6009	150	2.50
10/23/2018 20:00	69.00	4694	97	2.10
10/23/2018 21:00	69.20	3604	48	1.30
10/23/2018 22:00	69.70	2575	20	0.80
10/23/2018 23:00	69.40	1600	12	0.80
10/24/2018 0:00	70.00	1022	4	0.40
10/24/2018 1:00	69.30	921	6	0.70
10/24/2018 2:00	69.20	844	2	0.20
10/24/2018 3:00	68.80	875	1	0.10
10/24/2018 4:00	68.00	1091	8	0.70
10/24/2018 5:00	68.70	2354	17	0.70
10/24/2018 6:00	66.40	4610	88	1.90
10/24/2018 7:00	67.10	6539	171	2.60
10/24/2018 8:00	64.60	6830	181	2.70
10/24/2018 9:00	64.30	6504	102	1.60
10/24/2018 10:00	64.60	6245	113	1.80
10/24/2018 11:00	64.80	6591	126	1.90
10/24/2018 12:00	64.10	7050	217	3.10
10/24/2018 13:00	63.70	7397	182	2.50
10/24/2018 14:00	62.20	8640	273	3.20
10/24/2018 15:00	57.70	8958	468	5.20
10/24/2018 16:00	59.20	8867	391	4.40
10/24/2018 17:00	62.10	8698	277	3.20
10/24/2018 18:00	57.70	8551	405	4.70
10/24/2018 19:00	65.20	6319	159	2.50
10/24/2018 20:00	68.70	4907	95	1.90



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/24/2018 21:00	68.60	4228	82	1.90
10/24/2018 22:00	68.80	2864	29	1.00
10/24/2018 23:00	68.40	1633	8	0.50
10/25/2018 0:00	69.30	1222	10	0.80
10/25/2018 1:00	69.60	869	3	0.30
10/25/2018 2:00	69.40	917	1	0.10
10/25/2018 3:00	69.20	947	8	0.80
10/25/2018 4:00	67.60	1207	7	0.60
10/25/2018 5:00	69.30	2564	22	0.90
10/25/2018 6:00	65.90	4549	92	2.00
10/25/2018 7:00	65.80	6555	131	2.00
10/25/2018 8:00	64.80	6682	159	2.40
10/25/2018 9:00	64.40	6831	168	2.50
10/25/2018 10:00	64.10	6457	125	1.90
10/25/2018 11:00	63.50	6686	175	2.60
10/25/2018 12:00	62.70	7209	210	2.90
10/25/2018 13:00	62.30	7726	253	3.30
10/25/2018 14:00	61.10	8849	272	3.10
10/25/2018 15:00	41.80	8346	787	9.40
10/25/2018 16:00	51.20	8801	571	6.50
10/25/2018 17:00	33.10	7946	852	10.70
10/25/2018 18:00	36.00	8128	959	11.80
10/25/2018 19:00	56.90	6754	291	4.30
10/25/2018 20:00	67.40	5080	90	1.80
10/25/2018 21:00	68.60	4141	68	1.60
10/25/2018 22:00	67.90	3213	36	1.10
10/25/2018 23:00	68.50	2015	31	1.50
10/26/2018 0:00	69.00	1335	10	0.70
10/26/2018 1:00	69.10	871	5	0.60
10/26/2018 2:00	69.30	931	2	0.20
10/26/2018 3:00	69.10	922	4	0.40
10/26/2018 4:00	67.70	1270	5	0.40
10/26/2018 5:00	68.10	2385	16	0.70
10/26/2018 6:00	65.10	4614	102	2.20
10/26/2018 7:00	66.20	6299	144	2.30
10/26/2018 8:00	64.70	6703	146	2.20
10/26/2018 9:00	63.80	6510	157	2.40
10/26/2018 10:00	63.80	6845	160	2.30
10/26/2018 11:00	63.70	7253	173	2.40
10/26/2018 12:00	63.50	7985	242	3.00
10/26/2018 13:00	62.00	8138	246	3.00
10/26/2018 14:00	61.70	9255	303	3.30
10/26/2018 15:00	57.00	8862	343	3.90
10/26/2018 16:00	43.30	8667	906	10.50
10/26/2018 17:00	56.40	9176	354	3.90
10/26/2018 18:00	60.10	8638	303	3.50
10/26/2018 19:00	65.30	6354	189	3.00
10/26/2018 20:00	68.60	5152	70	1.40
10/26/2018 21:00	69.40	3814	53	1.40
10/26/2018 22:00	68.70	3447	33	1.00
10/26/2018 23:00	69.40	2656	36	1.40
10/27/2018 0:00	69.10	1891	16	0.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/27/2018 1:00	68.90	1253	10	0.80
10/27/2018 2:00	68.90	1249	3	0.20
10/27/2018 3:00	68.70	1081	9	0.80
10/27/2018 4:00	68.60	1108	2	0.20
10/27/2018 5:00	68.70	1282	4	0.30
10/27/2018 6:00	67.30	2264	27	1.20
10/27/2018 7:00	68.20	3534	50	1.40
10/27/2018 8:00	66.60	4753	124	2.60
10/27/2018 9:00	66.30	5757	122	2.10
10/27/2018 10:00	66.20	6501	156	2.40
10/27/2018 11:00	65.20	7187	185	2.60
10/27/2018 12:00	64.20	7416	204	2.80
10/27/2018 13:00	63.40	7316	236	3.20
10/27/2018 14:00	61.80	7127	179	2.50
10/27/2018 15:00	62.10	7351	173	2.40
10/27/2018 16:00	64.50	7177	207	2.90
10/27/2018 17:00	66.50	6549	149	2.30
10/27/2018 18:00	64.90	6336	168	2.70
10/27/2018 19:00	64.50	5258	134	2.50
10/27/2018 20:00	64.40	5282	162	3.10
10/27/2018 21:00	61.50	5162	183	3.50
10/27/2018 22:00	66.30	3947	70	1.80
10/27/2018 23:00	68.40	2737	54	2.00
10/28/2018 0:00	69.50	8601	0	0.00
10/28/2018 1:00	73.50	7168	2	0.00
10/28/2018 2:00	76.40	6012	0	0.00
10/28/2018 3:00	76.70	5285	0	0.00
10/28/2018 4:00	77.10	5091	10	0.20
10/28/2018 5:00	69.90	5332	3	0.10
10/28/2018 6:00	47.60	5072	0	0.00
10/28/2018 7:00	46.00	6415	0	0.00
10/28/2018 8:00	41.50	7890	2	0.00
10/28/2018 9:00	49.60	11846	22	0.20
10/28/2018 10:00	48.90	13007	163	1.30
10/28/2018 11:00	47.70	13672	1	0.00
10/28/2018 12:00	47.90	13323	15	0.10
10/28/2018 13:00	46.60	13642	2	0.00
10/28/2018 14:00	46.00	13461	3	0.00
10/28/2018 15:00	46.70	13612	0	0.00
10/28/2018 16:00	47.00	13762	2	0.00
10/28/2018 17:00	47.50	13735	6	0.00
10/28/2018 18:00	48.00	13360	0	0.00
10/28/2018 19:00	50.60	12800	0	0.00
10/28/2018 20:00	55.10	12507	0	0.00
10/28/2018 21:00	71.60	11310	15	0.10
10/28/2018 22:00	67.20	9019	6	0.10
10/28/2018 23:00	68.50	6869	1	0.00
10/29/2018 0:00	69.10	1125	4	0.40
10/29/2018 1:00	69.00	947	10	1.10
10/29/2018 2:00	69.10	800	3	0.40
10/29/2018 3:00	69.10	903	7	0.80
10/29/2018 4:00	68.10	1302	2	0.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/29/2018 5:00	69.20	2636	21	0.80
10/29/2018 6:00	65.60	4347	78	1.80
10/29/2018 7:00	66.60	6361	152	2.40
10/29/2018 8:00	65.40	6413	118	1.80
10/29/2018 9:00	63.70	6229	105	1.70
10/29/2018 10:00	63.30	6198	121	2.00
10/29/2018 11:00	63.50	6512	173	2.70
10/29/2018 12:00	62.80	7117	193	2.70
10/29/2018 13:00	63.10	7351	223	3.00
10/29/2018 14:00	60.60	8890	269	3.00
10/29/2018 15:00	56.30	8768	481	5.50
10/29/2018 16:00	56.60	8730	495	5.70
10/29/2018 17:00	53.90	8806	309	3.50
10/29/2018 18:00	61.30	8109	238	2.90
10/29/2018 19:00	66.50	5361	110	2.10
10/29/2018 20:00	67.90	4186	68	1.60
10/29/2018 21:00	68.10	3562	41	1.20
10/29/2018 22:00	68.30	2506	22	0.90
10/29/2018 23:00	68.20	1551	5	0.30
10/30/2018 0:00	69.40	1098	9	0.80
10/30/2018 1:00	69.40	901	3	0.30
10/30/2018 2:00	69.50	888	8	0.90
10/30/2018 3:00	68.50	889	5	0.60
10/30/2018 4:00	68.20	1140	3	0.30
10/30/2018 5:00	68.00	2619	15	0.60
10/30/2018 6:00	64.30	4729	92	1.90
10/30/2018 7:00	66.00	6638	164	2.50
10/30/2018 8:00	64.90	6782	172	2.50
10/30/2018 9:00	62.90	6335	95	1.50
10/30/2018 10:00	63.20	6066	168	2.80
10/30/2018 11:00	63.30	6729	151	2.20
10/30/2018 12:00	63.60	6949	155	2.20
10/30/2018 13:00	63.40	7423	180	2.40
10/30/2018 14:00	62.20	8754	269	3.10
10/30/2018 15:00	64.00	8068	227	2.80
10/30/2018 16:00	62.20	9106	319	3.50
10/30/2018 17:00	51.00	8777	483	5.50
10/30/2018 18:00	60.20	8721	268	3.10
10/30/2018 19:00	64.60	6845	184	2.70
10/30/2018 20:00	68.00	4841	92	1.90
10/30/2018 21:00	68.50	3724	58	1.60
10/30/2018 22:00	69.50	2776	15	0.50
10/30/2018 23:00	68.10	1720	11	0.60
10/31/2018 0:00	69.50	1162	11	0.90
10/31/2018 1:00	69.70	882	3	0.30
10/31/2018 2:00	69.00	888	4	0.50
10/31/2018 3:00	69.10	824	6	0.70
10/31/2018 4:00	68.50	1056	8	0.80
10/31/2018 5:00	68.20	2484	20	0.80
10/31/2018 6:00	66.30	4592	71	1.50
10/31/2018 7:00	66.20	6387	167	2.60
10/31/2018 8:00	64.60	6791	151	2.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/31/2018 9:00	65.10	6270	110	1.80
10/31/2018 10:00	64.50	6388	176	2.80
10/31/2018 11:00	64.20	7505	193	2.60
10/31/2018 12:00	63.10	7812	245	3.10
10/31/2018 13:00	63.50	7718	193	2.50
10/31/2018 14:00	61.70	9247	312	3.40
10/31/2018 15:00	42.90	8383	864	10.30
10/31/2018 16:00	33.10	8188	786	9.60
10/31/2018 17:00	40.20	8440	256	3.00
10/31/2018 18:00	48.90	8813	173	2.00
10/31/2018 19:00	66.50	5718	131	2.30
10/31/2018 20:00	69.20	5059	106	2.10
10/31/2018 21:00	69.20	4312	60	1.40
10/31/2018 22:00	68.90	2977	34	1.10
10/31/2018 23:00	69.50	1795	10	0.60
11/01/2018 0:00	69.10	1283	11	0.90
11/01/2018 1:00	70.20	734	3	0.40
11/01/2018 2:00	69.00	982	4	0.40
11/01/2018 3:00	69.10	908	5	0.60
11/01/2018 4:00	68.20	1194	3	0.30
11/01/2018 5:00	67.80	2466	22	0.90
11/01/2018 6:00	66.30	4580	79	1.70
11/01/2018 7:00	66.30	6551	142	2.20
11/01/2018 8:00	64.70	6770	111	1.60
11/01/2018 9:00	64.80	6457	124	1.90
11/01/2018 10:00	63.70	6322	156	2.50
11/01/2018 11:00	64.50	6504	121	1.90
11/01/2018 12:00	63.50	7045	217	3.10
11/01/2018 13:00	62.90	7469	210	2.80
11/01/2018 14:00	62.10	8929	260	2.90
11/01/2018 15:00	56.90	8757	425	4.90
11/01/2018 16:00	54.70	9024	604	6.70
11/01/2018 17:00	60.20	9303	279	3.00
11/01/2018 18:00	54.70	8787	476	5.40
11/01/2018 19:00	65.90	6000	133	2.20
11/01/2018 20:00	68.00	4636	80	1.70
11/01/2018 21:00	69.30	3826	53	1.40
11/01/2018 22:00	68.90	2841	33	1.20
11/01/2018 23:00	68.80	1867	10	0.50
11/02/2018 0:00	69.30	1198	9	0.80
11/02/2018 1:00	69.40	841	5	0.60
11/02/2018 2:00	69.10	855	1	0.10
11/02/2018 3:00	68.80	875	6	0.70
11/02/2018 4:00	67.90	1098	6	0.50
11/02/2018 5:00	67.60	2414	20	0.80
11/02/2018 6:00	65.80	4433	60	1.40
11/02/2018 7:00	66.30	6620	166	2.50
11/02/2018 8:00	64.80	6686	130	1.90
11/02/2018 9:00	64.70	6616	166	2.50
11/02/2018 10:00	62.80	6712	222	3.30
11/02/2018 11:00	64.50	7110	164	2.30
11/02/2018 12:00	63.00	7710	250	3.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/02/2018 13:00	62.90	7582	250	3.30
11/02/2018 14:00	61.10	8922	302	3.40
11/02/2018 15:00	61.30	8668	321	3.70
11/02/2018 16:00	59.90	9322	258	2.80
11/02/2018 17:00	60.00	9361	266	2.80
11/02/2018 18:00	60.30	8674	281	3.20
11/02/2018 19:00	65.20	6618	191	2.90
11/02/2018 20:00	68.70	4956	106	2.10
11/02/2018 21:00	68.20	4166	64	1.50
11/02/2018 22:00	68.60	3557	44	1.20
11/02/2018 23:00	69.20	2401	27	1.10
11/03/2018 0:00	68.70	1738	9	0.50
11/03/2018 1:00	68.70	1452	11	0.80
11/03/2018 2:00	68.90	1185	7	0.60
11/03/2018 3:00	68.80	925	1	0.10
11/03/2018 4:00	68.70	912	4	0.40
11/03/2018 5:00	69.20	1178	3	0.30
11/03/2018 6:00	67.50	2271	33	1.50
11/03/2018 7:00	68.50	3525	39	1.10
11/03/2018 8:00	67.00	5133	94	1.80
11/03/2018 9:00	66.20	6057	159	2.60
11/03/2018 10:00	66.20	6955	299	4.30
11/03/2018 11:00	65.50	8203	597	7.30
11/03/2018 12:00	64.70	8004	406	5.10
11/03/2018 13:00	64.40	7305	221	3.00
11/03/2018 14:00	64.30	7577	260	3.40
11/03/2018 15:00	65.60	7128	165	2.30
11/03/2018 16:00	65.90	7251	211	2.90
11/03/2018 17:00	66.40	7305	198	2.70
11/03/2018 18:00	66.10	6088	183	3.00
11/03/2018 19:00	66.60	4995	112	2.20
11/03/2018 20:00	67.60	4117	92	2.20
11/03/2018 21:00	69.20	3768	67	1.80
11/03/2018 22:00	69.00	3381	49	1.40
11/03/2018 23:00	68.60	2472	26	1.10
11/04/2018 0:00	68.40	1716	6	0.30
11/04/2018 1:00	69.40	972	2	0.20
11/04/2018 2:00	69.00	883	12	1.40
11/04/2018 3:00	69.30	816	10	1.20
11/04/2018 4:00	69.00	869	7	0.80
11/04/2018 5:00	69.00	1086	3	0.30
11/04/2018 6:00	68.80	1944	15	0.80
11/04/2018 7:00	68.70	2759	24	0.90
11/04/2018 8:00	68.20	3712	50	1.30
11/04/2018 9:00	65.70	5077	115	2.30
11/04/2018 10:00	65.50	5693	137	2.40
11/04/2018 11:00	64.70	6146	148	2.40
11/04/2018 12:00	64.90	6187	136	2.20
11/04/2018 13:00	64.20	6119	157	2.60
11/04/2018 14:00	65.20	5817	159	2.70
11/04/2018 15:00	65.10	5708	158	2.80
11/04/2018 16:00	64.30	5993	159	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/04/2018 17:00	58.70	5401	169	3.10
11/04/2018 18:00	63.90	4626	96	2.10
11/04/2018 19:00	68.00	3945	66	1.70
11/04/2018 20:00	69.40	3428	49	1.40
11/04/2018 21:00	69.20	2874	34	1.20
11/04/2018 22:00	69.20	2022	22	1.10
11/04/2018 23:00	68.90	1509	7	0.50
11/05/2018 0:00	69.00	1060	4	0.40
11/05/2018 1:00	69.20	842	6	0.70
11/05/2018 2:00	69.40	749	6	0.80
11/05/2018 3:00	69.10	889	5	0.60
11/05/2018 4:00	69.50	841	3	0.40
11/05/2018 5:00	68.60	2407	36	1.50
11/05/2018 6:00	66.40	4872	78	1.60
11/05/2018 7:00	65.90	6518	171	2.60
11/05/2018 8:00	64.30	6839	185	2.70
11/05/2018 9:00	63.60	6429	140	2.20
11/05/2018 10:00	63.90	6403	166	2.60
11/05/2018 11:00	63.70	6638	142	2.10
11/05/2018 12:00	63.00	6895	193	2.80
11/05/2018 13:00	62.70	7344	209	2.80
11/05/2018 14:00	62.80	8479	262	3.10
11/05/2018 15:00	55.40	8676	365	4.20
11/05/2018 16:00	59.30	8679	196	2.30
11/05/2018 17:00	54.10	8916	536	6.00
11/05/2018 18:00	47.50	7835	534	6.80
11/05/2018 19:00	67.40	5341	106	2.00
11/05/2018 20:00	68.60	4000	69	1.70
11/05/2018 21:00	67.80	3192	39	1.20
11/05/2018 22:00	68.60	2290	15	0.70
11/05/2018 23:00	68.60	1377	9	0.70
11/06/2018 0:00	69.30	965	5	0.50
11/06/2018 1:00	68.80	955	2	0.20
11/06/2018 2:00	69.10	869	1	0.10
11/06/2018 3:00	69.20	847	0	0.00
11/06/2018 4:00	68.60	1186	2	0.20
11/06/2018 5:00	69.20	2728	23	0.80
11/06/2018 6:00	67.80	4878	89	1.80
11/06/2018 7:00	66.80	6861	178	2.60
11/06/2018 8:00	65.20	6928	146	2.10
11/06/2018 9:00	64.10	6633	109	1.60
11/06/2018 10:00	63.50	6510	190	2.90
11/06/2018 11:00	64.10	6586	135	2.00
11/06/2018 12:00	63.40	6999	176	2.50
11/06/2018 13:00	63.80	7289	172	2.40
11/06/2018 14:00	62.20	8855	251	2.80
11/06/2018 15:00	61.60	8998	307	3.40
11/06/2018 16:00	61.20	9355	265	2.80
11/06/2018 17:00	57.50	9084	359	4.00
11/06/2018 18:00	43.10	8656	662	7.60
11/06/2018 19:00	64.80	6006	136	2.30
11/06/2018 20:00	68.80	4284	77	1.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/06/2018 21:00	68.10	3402	45	1.30
11/06/2018 22:00	68.90	2442	20	0.80
11/06/2018 23:00	68.80	1671	12	0.70
11/07/2018 0:00	69.10	1139	6	0.50
11/07/2018 1:00	68.90	923	3	0.30
11/07/2018 2:00	69.50	918	2	0.20
11/07/2018 3:00	69.40	845	3	0.40
11/07/2018 4:00	69.00	1099	3	0.30
11/07/2018 5:00	69.80	2545	20	0.80
11/07/2018 6:00	66.80	4749	90	1.90
11/07/2018 7:00	66.20	6779	151	2.20
11/07/2018 8:00	64.40	7032	165	2.30
11/07/2018 9:00	63.30	6325	153	2.40
11/07/2018 10:00	63.00	6464	132	2.00
11/07/2018 11:00	61.90	7019	210	3.00
11/07/2018 12:00	62.50	7171	175	2.40
11/07/2018 13:00	62.10	7477	205	2.70
11/07/2018 14:00	61.70	8667	270	3.10
11/07/2018 15:00	61.70	8936	264	3.00
11/07/2018 16:00	60.50	9168	293	3.20
11/07/2018 17:00	35.50	8455	982	11.60
11/07/2018 18:00	42.70	8615	545	6.30
11/07/2018 19:00	64.60	6393	178	2.80
11/07/2018 20:00	67.20	4393	72	1.60
11/07/2018 21:00	68.90	3806	52	1.40
11/07/2018 22:00	68.10	2633	30	1.10
11/07/2018 23:00	68.40	1739	12	0.70
11/08/2018 0:00	69.30	1307	5	0.40
11/08/2018 1:00	69.20	1009	5	0.50
11/08/2018 2:00	69.30	858	5	0.60
11/08/2018 3:00	68.70	881	5	0.60
11/08/2018 4:00	68.10	1051	4	0.40
11/08/2018 5:00	68.60	2679	21	0.80
11/08/2018 6:00	66.40	4884	92	1.90
11/08/2018 7:00	66.30	7053	172	2.40
11/08/2018 8:00	64.70	6853	147	2.10
11/08/2018 9:00	63.70	6614	194	2.90
11/08/2018 10:00	63.10	6546	153	2.30
11/08/2018 11:00	62.20	6802	165	2.40
11/08/2018 12:00	62.50	7415	185	2.50
11/08/2018 13:00	61.90	7783	236	3.00
11/08/2018 14:00	62.20	8819	269	3.10
11/08/2018 15:00	61.90	8955	292	3.30
11/08/2018 16:00	64.00	8386	215	2.60
11/08/2018 17:00	41.90	8739	811	9.30
11/08/2018 18:00	46.00	9006	572	6.40
11/08/2018 19:00	62.10	7377	179	2.40
11/08/2018 20:00	68.20	4632	78	1.70
11/08/2018 21:00	68.60	3854	59	1.50
11/08/2018 22:00	69.10	2771	25	0.90
11/08/2018 23:00	68.40	1931	15	0.80
11/09/2018 0:00	69.50	1186	6	0.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/09/2018 1:00	69.20	763	5	0.70
11/09/2018 2:00	69.60	798	1	0.10
11/09/2018 3:00	69.60	910	2	0.20
11/09/2018 4:00	67.90	1195	10	0.80
11/09/2018 5:00	68.20	2567	30	1.20
11/09/2018 6:00	66.50	4564	87	1.90
11/09/2018 7:00	66.30	6570	140	2.10
11/09/2018 8:00	64.60	6784	145	2.10
11/09/2018 9:00	64.40	6790	152	2.20
11/09/2018 10:00	63.80	6692	156	2.30
11/09/2018 11:00	62.70	7380	203	2.80
11/09/2018 12:00	61.90	8170	295	3.60
11/09/2018 13:00	61.70	8436	279	3.30
11/09/2018 14:00	60.80	9050	291	3.20
11/09/2018 15:00	62.50	8848	274	3.10
11/09/2018 16:00	62.70	8451	258	3.10
11/09/2018 17:00	59.80	8865	245	2.80
11/09/2018 18:00	57.90	8861	309	3.50
11/09/2018 19:00	65.10	6198	152	2.50
11/09/2018 20:00	68.00	4539	68	1.50
11/09/2018 21:00	68.00	4147	52	1.30
11/09/2018 22:00	68.10	3364	53	1.60
11/09/2018 23:00	68.00	2536	22	0.90
11/10/2018 0:00	69.00	1561	8	0.50
11/10/2018 1:00	69.30	981	4	0.40
11/10/2018 2:00	69.50	764	3	0.40
11/10/2018 3:00	68.60	947	7	0.70
11/10/2018 4:00	68.60	907	6	0.70
11/10/2018 5:00	68.70	1329	7	0.50
11/10/2018 6:00	68.80	2413	29	1.20
11/10/2018 7:00	67.10	3752	45	1.20
11/10/2018 8:00	65.60	5887	136	2.30
11/10/2018 9:00	65.80	6222	131	2.10
11/10/2018 10:00	66.00	7013	163	2.30
11/10/2018 11:00	65.30	7112	182	2.60
11/10/2018 12:00	64.30	7510	261	3.50
11/10/2018 13:00	64.40	7196	214	3.00
11/10/2018 14:00	65.60	6939	217	3.10
11/10/2018 15:00	65.10	6960	199	2.90
11/10/2018 16:00	65.70	6699	185	2.80
11/10/2018 17:00	64.00	6558	187	2.90
11/10/2018 18:00	64.60	6084	157	2.60
11/10/2018 19:00	67.20	4601	124	2.70
11/10/2018 20:00	68.80	4051	76	1.90
11/10/2018 21:00	67.20	4102	117	2.90
11/10/2018 22:00	67.70	3513	74	2.10
11/10/2018 23:00	66.30	2859	51	1.80
11/11/2018 0:00	68.90	1440	11	0.80
11/11/2018 1:00	69.70	852	0	0.00
11/11/2018 2:00	69.30	943	1	0.10
11/11/2018 3:00	68.80	944	6	0.60
11/11/2018 4:00	69.00	870	5	0.60



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/11/2018 5:00	69.40	954	6	0.60
11/11/2018 6:00	69.00	1571	16	1.00
11/11/2018 7:00	68.10	2339	11	0.50
11/11/2018 8:00	67.50	3627	58	1.60
11/11/2018 9:00	67.00	4549	87	1.90
11/11/2018 10:00	65.70	5397	135	2.50
11/11/2018 11:00	64.80	5638	138	2.40
11/11/2018 12:00	64.20	6214	163	2.60
11/11/2018 13:00	64.00	6120	199	3.30
11/11/2018 14:00	64.70	5753	154	2.70
11/11/2018 15:00	65.70	5871	139	2.40
11/11/2018 16:00	65.00	5983	144	2.40
11/11/2018 17:00	63.60	5863	143	2.40
11/11/2018 18:00	65.70	5014	106	2.10
11/11/2018 19:00	67.30	4219	77	1.80
11/11/2018 20:00	67.50	3497	56	1.60
11/11/2018 21:00	67.80	3027	35	1.20
11/11/2018 22:00	68.50	2213	19	0.90
11/11/2018 23:00	68.80	1556	8	0.50
11/12/2018 0:00	80.00	5821	1	0.00
11/12/2018 1:00	75.50	4068	3	0.10
11/12/2018 2:00	73.90	3777	1	0.00
11/12/2018 3:00	70.70	4701	2	0.00
11/12/2018 4:00	67.50	7818	5	0.10
11/12/2018 5:00	58.00	10643	1	0.00
11/12/2018 6:00	60.10	11549	1	0.00
11/12/2018 7:00	60.70	12657	4	0.00
11/12/2018 8:00	59.40	12571	0	0.00
11/12/2018 9:00	58.40	12732	1	0.00
11/12/2018 10:00	57.00	12422	0	0.00
11/12/2018 11:00	55.50	12402	0	0.00
11/12/2018 12:00	54.70	12422	2	0.00
11/12/2018 13:00	53.10	12274	0	0.00
11/12/2018 14:00	57.50	11805	83	0.70
11/12/2018 15:00	57.50	11485	105	0.90
11/12/2018 16:00	59.90	10124	176	1.70
11/12/2018 17:00	57.30	11073	137	1.20
11/12/2018 18:00	61.20	13881	0	0.00
11/12/2018 19:00	69.90	13050	2	0.00
11/12/2018 20:00	77.60	12218	1	0.00
11/12/2018 21:00	77.30	11145	0	0.00
11/12/2018 22:00	79.00	9513	0	0.00
11/12/2018 23:00	77.10	7626	0	0.00
11/13/2018 0:00	69.40	1014	7	0.70
11/13/2018 1:00	69.00	872	2	0.20
11/13/2018 2:00	69.30	851	3	0.40
11/13/2018 3:00	69.30	849	3	0.40
11/13/2018 4:00	68.80	1158	6	0.50
11/13/2018 5:00	69.10	2743	42	1.50
11/13/2018 6:00	66.40	4790	89	1.90
11/13/2018 7:00	65.10	6915	166	2.40
11/13/2018 8:00	64.50	6865	147	2.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/13/2018 9:00	63.60	6689	153	2.30
11/13/2018 10:00	64.20	6420	149	2.30
11/13/2018 11:00	63.90	6415	139	2.20
11/13/2018 12:00	62.50	7351	169	2.30
11/13/2018 13:00	62.90	7320	215	2.90
11/13/2018 14:00	62.00	8762	240	2.70
11/13/2018 15:00	46.70	8595	708	8.20
11/13/2018 16:00	49.00	9110	155	1.70
11/13/2018 17:00	53.90	9243	242	2.60
11/13/2018 18:00	42.10	7954	560	7.00
11/13/2018 19:00	64.80	6178	157	2.50
11/13/2018 20:00	68.20	4475	93	2.10
11/13/2018 21:00	68.10	3452	31	0.90
11/13/2018 22:00	68.60	2519	25	1.00
11/13/2018 23:00	68.70	1638	14	0.90
11/14/2018 0:00	68.60	1260	8	0.60
11/14/2018 1:00	68.90	1042	3	0.30
11/14/2018 2:00	69.20	882	2	0.20
11/14/2018 3:00	68.70	878	6	0.70
11/14/2018 4:00	68.70	1130	4	0.40
11/14/2018 5:00	68.70	2480	20	0.80
11/14/2018 6:00	66.30	4768	86	1.80
11/14/2018 7:00	65.60	6668	148	2.20
11/14/2018 8:00	63.50	7056	129	1.80
11/14/2018 9:00	62.60	6529	147	2.30
11/14/2018 10:00	60.50	6205	161	2.60
11/14/2018 11:00	62.40	6814	207	3.00
11/14/2018 12:00	61.80	7110	176	2.50
11/14/2018 13:00	61.60	7668	267	3.50
11/14/2018 14:00	60.30	8843	276	3.10
11/14/2018 15:00	58.00	8838	349	3.90
11/14/2018 16:00	51.50	8995	493	5.50
11/14/2018 17:00	31.20	8550	717	8.40
11/14/2018 18:00	38.80	8877	945	10.60
11/14/2018 19:00	59.60	6817	162	2.40
11/14/2018 20:00	67.10	4808	102	2.10
11/14/2018 21:00	67.60	3968	54	1.40
11/14/2018 22:00	68.70	2746	27	1.00
11/14/2018 23:00	69.10	1742	7	0.40
11/15/2018 0:00	68.70	1314	6	0.50
11/15/2018 1:00	68.80	1012	2	0.20
11/15/2018 2:00	69.30	853	2	0.20
11/15/2018 3:00	69.40	843	0	0.00
11/15/2018 4:00	67.60	1159	5	0.40
11/15/2018 5:00	68.70	2503	20	0.80
11/15/2018 6:00	66.20	4718	71	1.50
11/15/2018 7:00	65.50	6906	174	2.50
11/15/2018 8:00	64.20	6755	142	2.10
11/15/2018 9:00	63.00	6714	144	2.10
11/15/2018 10:00	63.80	6511	132	2.00
11/15/2018 11:00	63.10	6881	169	2.50
11/15/2018 12:00	63.30	7291	194	2.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/15/2018 13:00	63.20	7578	202	2.70
11/15/2018 14:00	49.00	8704	206	2.40
11/15/2018 15:00	44.30	8313	482	5.80
11/15/2018 16:00	65.50	7827	199	2.50
11/15/2018 17:00	54.90	8639	437	5.10
11/15/2018 18:00	51.00	8621	465	5.40
11/15/2018 19:00	63.30	6755	183	2.70
11/15/2018 20:00	68.60	4811	95	2.00
11/15/2018 21:00	68.30	3731	44	1.20
11/15/2018 22:00	69.20	2845	21	0.70
11/15/2018 23:00	69.00	2004	17	0.80
11/16/2018 0:00	69.10	1407	8	0.60
11/16/2018 1:00	69.60	763	3	0.40
11/16/2018 2:00	69.40	892	3	0.30
11/16/2018 3:00	69.10	949	7	0.70
11/16/2018 4:00	68.30	1194	4	0.30
11/16/2018 5:00	69.80	2540	20	0.80
11/16/2018 6:00	66.20	5727	163	2.80
11/16/2018 7:00	66.40	8139	288	3.50
11/16/2018 8:00	65.10	7961	388	4.90
11/16/2018 9:00	64.50	6816	169	2.50
11/16/2018 10:00	63.60	6600	166	2.50
11/16/2018 11:00	62.70	7447	229	3.10
11/16/2018 12:00	61.60	8068	243	3.00
11/16/2018 13:00	61.50	8432	307	3.60
11/16/2018 14:00	59.40	9402	330	3.50
11/16/2018 15:00	59.00	9027	317	3.50
11/16/2018 16:00	61.60	8911	237	2.70
11/16/2018 17:00	52.70	8859	403	4.50
11/16/2018 18:00	55.40	8725	305	3.50
11/16/2018 19:00	64.90	6425	163	2.50
11/16/2018 20:00	68.00	4837	94	1.90
11/16/2018 21:00	67.80	4077	65	1.60
11/16/2018 22:00	68.10	3440	42	1.20
11/16/2018 23:00	68.80	2608	30	1.20
11/17/2018 0:00	68.40	1795	7	0.40
11/17/2018 1:00	67.90	1209	11	0.90
11/17/2018 2:00	69.50	787	1	0.10
11/17/2018 3:00	69.50	836	4	0.50
11/17/2018 4:00	68.90	911	6	0.70
11/17/2018 5:00	68.50	1310	6	0.50
11/17/2018 6:00	67.90	2530	27	1.10
11/17/2018 7:00	67.30	3874	62	1.60
11/17/2018 8:00	67.00	5147	106	2.10
11/17/2018 9:00	66.60	6029	154	2.60
11/17/2018 10:00	65.20	6692	161	2.40
11/17/2018 11:00	64.70	7281	204	2.80
11/17/2018 12:00	64.50	7302	198	2.70
11/17/2018 13:00	64.10	7318	196	2.70
11/17/2018 14:00	64.90	7114	178	2.50
11/17/2018 15:00	65.70	7102	207	2.90
11/17/2018 16:00	65.30	7064	179	2.50

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/17/2018 17:00	63.60	6908	197	2.90
11/17/2018 18:00	66.50	5884	136	2.30
11/17/2018 19:00	68.00	4680	99	2.10
11/17/2018 20:00	68.90	4179	96	2.30
11/17/2018 21:00	69.30	3642	45	1.20
11/17/2018 22:00	68.80	3070	38	1.20
11/17/2018 23:00	69.00	2286	17	0.70
11/18/2018 0:00	65.90	11399	2	0.00
11/18/2018 1:00	77.60	8407	0	0.00
11/18/2018 2:00	75.50	6752	0	0.00
11/18/2018 3:00	73.00	6335	1	0.00
11/18/2018 4:00	72.40	6357	4	0.10
11/18/2018 5:00	77.40	9344	3	0.00
11/18/2018 6:00	71.50	12697	0	0.00
11/18/2018 7:00	63.90	15315	0	0.00
11/18/2018 8:00	54.90	16690	0	0.00
11/18/2018 9:00	50.70	17060	0	0.00
11/18/2018 10:00	46.70	17509	4	0.00
11/18/2018 11:00	44.60	17348	0	0.00
11/18/2018 12:00	43.10	17012	0	0.00
11/18/2018 13:00	43.20	17103	0	0.00
11/18/2018 14:00	43.90	16959	0	0.00
11/18/2018 15:00	44.70	17280	1	0.00
11/18/2018 16:00	44.50	17506	0	0.00
11/18/2018 17:00	45.90	17711	1	0.00
11/18/2018 18:00	49.20	17463	6	0.00
11/18/2018 19:00	54.30	17169	0	0.00
11/18/2018 20:00	58.00	16455	0	0.00
11/18/2018 21:00	76.70	15751	0	0.00
11/18/2018 22:00	80.40	13980	0	0.00
11/18/2018 23:00	79.00	11409	0	0.00
11/19/2018 0:00	69.30	904	4	0.40
11/19/2018 1:00	69.40	814	1	0.10
11/19/2018 2:00	69.60	842	3	0.40
11/19/2018 3:00	69.10	870	5	0.60
11/19/2018 4:00	68.20	1169	4	0.30
11/19/2018 5:00	68.00	2625	25	1.00
11/19/2018 6:00	67.50	4297	88	2.00
11/19/2018 7:00	66.30	5811	152	2.60
11/19/2018 8:00	65.10	6637	111	1.70
11/19/2018 9:00	63.70	6145	141	2.30
11/19/2018 10:00	63.20	6340	158	2.50
11/19/2018 11:00	62.70	6822	196	2.90
11/19/2018 12:00	62.80	7038	236	3.40
11/19/2018 13:00	63.60	7427	195	2.60
11/19/2018 14:00	63.30	8663	252	2.90
11/19/2018 15:00	62.50	9071	282	3.10
11/19/2018 16:00	61.30	9319	282	3.00
11/19/2018 17:00	39.90	8417	767	9.10
11/19/2018 18:00	49.50	7993	425	5.30
11/19/2018 19:00	67.30	5435	130	2.40
11/19/2018 20:00	67.70	4108	70	1.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/19/2018 21:00	68.20	3340	38	1.10
11/19/2018 22:00	67.90	2374	22	0.90
11/19/2018 23:00	68.40	1751	17	1.00
11/20/2018 0:00	69.00	1166	15	1.30
11/20/2018 1:00	69.10	877	3	0.30
11/20/2018 2:00	69.40	903	4	0.40
11/20/2018 3:00	68.90	934	10	1.10
11/20/2018 4:00	68.70	1356	6	0.40
11/20/2018 5:00	67.50	2563	22	0.90
11/20/2018 6:00	66.70	4385	69	1.60
11/20/2018 7:00	65.70	6029	108	1.80
11/20/2018 8:00	64.10	6654	130	2.00
11/20/2018 9:00	63.60	6378	155	2.40
11/20/2018 10:00	63.30	6581	180	2.70
11/20/2018 11:00	62.70	7217	218	3.00
11/20/2018 12:00	61.60	7373	226	3.10
11/20/2018 13:00	61.30	7712	250	3.20
11/20/2018 14:00	61.10	8926	302	3.40
11/20/2018 15:00	61.90	8272	262	3.20
11/20/2018 16:00	61.20	9045	251	2.80
11/20/2018 17:00	53.20	9072	241	2.70
11/20/2018 18:00	41.50	8567	756	8.80
11/20/2018 19:00	64.30	6245	142	2.30
11/20/2018 20:00	67.70	4612	80	1.70
11/20/2018 21:00	67.80	3646	58	1.60
11/20/2018 22:00	68.40	2714	24	0.90
11/20/2018 23:00	68.50	1789	13	0.70
11/21/2018 0:00	68.70	1310	11	0.80
11/21/2018 1:00	69.40	931	5	0.50
11/21/2018 2:00	69.10	871	3	0.30
11/21/2018 3:00	69.10	825	3	0.40
11/21/2018 4:00	68.70	1170	7	0.60
11/21/2018 5:00	67.60	2604	24	0.90
11/21/2018 6:00	65.70	4087	64	1.60
11/21/2018 7:00	65.00	5584	121	2.20
11/21/2018 8:00	64.10	6151	145	2.40
11/21/2018 9:00	63.90	5998	145	2.40
11/21/2018 10:00	62.70	6412	155	2.40
11/21/2018 11:00	62.40	7378	208	2.80
11/21/2018 12:00	60.90	8569	294	3.40
11/21/2018 13:00	60.80	8826	309	3.50
11/21/2018 14:00	59.60	9233	306	3.30
11/21/2018 15:00	60.60	9051	243	2.70
11/21/2018 16:00	61.40	8772	235	2.70
11/21/2018 17:00	59.30	7963	248	3.10
11/21/2018 18:00	64.10	6152	166	2.70
11/21/2018 19:00	65.90	5137	101	2.00
11/21/2018 20:00	67.40	4221	72	1.70
11/21/2018 21:00	67.80	3884	53	1.40
11/21/2018 22:00	65.90	2868	38	1.30
11/21/2018 23:00	68.00	2192	16	0.70
11/22/2018 0:00	69.10	1523	12	0.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/22/2018 1:00	69.90	1031	4	0.40
11/22/2018 2:00	69.70	1051	5	0.50
11/22/2018 3:00	69.90	950	2	0.20
11/22/2018 4:00	69.20	941	3	0.30
11/22/2018 5:00	69.30	1202	2	0.20
11/22/2018 6:00	68.70	1619	14	0.90
11/22/2018 7:00	68.70	2046	11	0.50
11/22/2018 8:00	69.60	2378	17	0.70
11/22/2018 9:00	68.30	3126	25	0.80
11/22/2018 10:00	67.80	3978	45	1.10
11/22/2018 11:00	67.90	4382	45	1.00
11/22/2018 12:00	67.80	5071	77	1.50
11/22/2018 13:00	68.00	5092	71	1.40
11/22/2018 14:00	68.20	4841	47	1.00
11/22/2018 15:00	68.60	4517	50	1.10
11/22/2018 16:00	68.90	4075	43	1.10
11/22/2018 17:00	66.60	4307	81	1.90
11/22/2018 18:00	67.20	4321	64	1.50
11/22/2018 19:00	67.80	4794	82	1.70
11/22/2018 20:00	68.00	4679	88	1.90
11/22/2018 21:00	69.80	4190	56	1.30
11/22/2018 22:00	69.80	3331	38	1.10
11/22/2018 23:00	70.10	2361	10	0.40
11/23/2018 0:00	55.30	10873	1	0.00
11/23/2018 1:00	73.00	7362	0	0.00
11/23/2018 2:00	76.40	5983	4	0.10
11/23/2018 3:00	72.80	5659	8	0.10
11/23/2018 4:00	72.70	8211	4	0.00
11/23/2018 5:00	67.70	13065	1	0.00
11/23/2018 6:00	66.60	15637	0	0.00
11/23/2018 7:00	59.00	16155	0	0.00
11/23/2018 8:00	55.90	17173	0	0.00
11/23/2018 9:00	50.50	17265	3	0.00
11/23/2018 10:00	48.80	17415	3	0.00
11/23/2018 11:00	47.00	17463	2	0.00
11/23/2018 12:00	47.90	16779	3	0.00
11/23/2018 13:00	48.40	16118	9	0.10
11/23/2018 14:00	49.40	17009	18	0.10
11/23/2018 15:00	48.90	17035	12	0.10
11/23/2018 16:00	48.00	17510	3	0.00
11/23/2018 17:00	48.70	17041	0	0.00
11/23/2018 18:00	49.40	17554	4	0.00
11/23/2018 19:00	55.40	17305	0	0.00
11/23/2018 20:00	61.40	17055	0	0.00
11/23/2018 21:00	72.00	16444	0	0.00
11/23/2018 22:00	78.60	14531	0	0.00
11/23/2018 23:00	79.50	13180	0	0.00
11/24/2018 0:00	78.10	3801	9	0.20
11/24/2018 1:00	73.40	3409	6	0.20
11/24/2018 2:00	78.00	2793	1	0.00
11/24/2018 3:00	74.30	2629	2	0.10
11/24/2018 4:00	72.60	3198	5	0.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/24/2018 5:00	71.70	4278	1	0.00
11/24/2018 6:00	69.20	5983	15	0.30
11/24/2018 7:00	65.40	7040	26	0.40
11/24/2018 8:00	65.50	3680	55	1.50
11/24/2018 9:00	64.90	4044	96	2.40
11/24/2018 10:00	64.00	4797	126	2.60
11/24/2018 11:00	59.80	7416	153	2.10
11/24/2018 12:00	56.30	9336	123	1.30
11/24/2018 13:00	58.70	8465	132	1.60
11/24/2018 14:00	56.50	9774	154	1.60
11/24/2018 15:00	58.60	9133	139	1.50
11/24/2018 16:00	56.80	9395	149	1.60
11/24/2018 17:00	55.80	9548	162	1.70
11/24/2018 18:00	55.90	9462	154	1.60
11/24/2018 19:00	59.90	8616	68	0.80
11/24/2018 20:00	64.40	8188	77	0.90
11/24/2018 21:00	72.40	8177	77	0.90
11/24/2018 22:00	74.80	7691	61	0.80
11/24/2018 23:00	68.70	7194	39	0.50
11/25/2018 0:00	72.30	11859	1	0.00
11/25/2018 1:00	75.60	8644	1	0.00
11/25/2018 2:00	77.10	6586	2	0.00
11/25/2018 3:00	61.50	4162	2	0.00
11/25/2018 4:00	62.30	5089	2	0.00
11/25/2018 5:00	47.40	5123	1	0.00
11/25/2018 6:00	44.80	7150	3	0.00
11/25/2018 7:00	41.50	8233	0	0.00
11/25/2018 8:00	54.60	14043	7	0.00
11/25/2018 9:00	55.80	17171	4	0.00
11/25/2018 10:00	48.90	17645	1	0.00
11/25/2018 11:00	47.10	17532	1	0.00
11/25/2018 12:00	45.20	17217	0	0.00
11/25/2018 13:00	45.00	17230	2	0.00
11/25/2018 14:00	45.80	17335	0	0.00
11/25/2018 15:00	46.80	17516	1	0.00
11/25/2018 16:00	47.30	17668	0	0.00
11/25/2018 17:00	47.40	17618	0	0.00
11/25/2018 18:00	50.10	17259	0	0.00
11/25/2018 19:00	54.20	17044	0	0.00
11/25/2018 20:00	59.20	16304	8	0.00
11/25/2018 21:00	73.20	15348	0	0.00
11/25/2018 22:00	74.50	13846	0	0.00
11/25/2018 23:00	75.60	11166	0	0.00
11/26/2018 0:00	70.00	972	3	0.30
11/26/2018 1:00	69.50	807	3	0.40
11/26/2018 2:00	69.20	802	4	0.50
11/26/2018 3:00	69.00	887	4	0.50
11/26/2018 4:00	68.70	1103	6	0.50
11/26/2018 5:00	67.50	2733	25	0.90
11/26/2018 6:00	68.10	4413	64	1.50
11/26/2018 7:00	65.60	6694	160	2.40
11/26/2018 8:00	64.30	6601	147	2.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/26/2018 9:00	63.90	6024	145	2.40
11/26/2018 10:00	63.70	6098	154	2.50
11/26/2018 11:00	63.10	6368	186	2.90
11/26/2018 12:00	62.60	6787	153	2.30
11/26/2018 13:00	62.90	7324	210	2.90
11/26/2018 14:00	62.40	8492	249	2.90
11/26/2018 15:00	47.50	8535	378	4.40
11/26/2018 16:00	51.20	9705	415	4.30
11/26/2018 17:00	56.30	11371	337	3.00
11/26/2018 18:00	58.40	14484	1	0.00
11/26/2018 19:00	69.60	13317	2	0.00
11/26/2018 20:00	77.30	12445	1	0.00
11/26/2018 21:00	76.90	11397	0	0.00
11/26/2018 22:00	78.70	9782	0	0.00
11/26/2018 23:00	77.10	7628	0	0.00
11/27/2018 0:00	70.60	753	9	1.20
11/27/2018 1:00	69.70	969	3	0.30
11/27/2018 2:00	69.20	800	0	0.00
11/27/2018 3:00	69.00	778	3	0.40
11/27/2018 4:00	68.70	1179	5	0.40
11/27/2018 5:00	68.20	2702	18	0.70
11/27/2018 6:00	66.60	4738	75	1.60
11/27/2018 7:00	64.50	6916	199	2.90
11/27/2018 8:00	63.50	6773	135	2.00
11/27/2018 9:00	63.60	6421	150	2.30
11/27/2018 10:00	63.40	6320	119	1.90
11/27/2018 11:00	62.80	6333	161	2.50
11/27/2018 12:00	61.90	7291	193	2.60
11/27/2018 13:00	61.50	7345	204	2.80
11/27/2018 14:00	59.30	8571	351	4.10
11/27/2018 15:00	41.80	8503	638	7.50
11/27/2018 16:00	56.40	9399	429	4.60
11/27/2018 17:00	47.30	8571	480	5.60
11/27/2018 18:00	53.30	9355	529	5.70
11/27/2018 19:00	57.50	7248	265	3.70
11/27/2018 20:00	67.60	4673	72	1.50
11/27/2018 21:00	68.50	3620	45	1.20
11/27/2018 22:00	68.10	2531	21	0.80
11/27/2018 23:00	68.80	1711	15	0.90
11/28/2018 0:00	69.30	1097	7	0.60
11/28/2018 1:00	69.50	869	3	0.30
11/28/2018 2:00	69.20	855	3	0.40
11/28/2018 3:00	69.10	818	2	0.20
11/28/2018 4:00	68.70	1133	5	0.40
11/28/2018 5:00	66.80	2527	16	0.60
11/28/2018 6:00	65.50	4857	111	2.30
11/28/2018 7:00	65.50	6859	167	2.40
11/28/2018 8:00	63.20	6703	139	2.10
11/28/2018 9:00	62.60	6472	127	2.00
11/28/2018 10:00	64.10	5970	126	2.10
11/28/2018 11:00	62.40	6817	146	2.10
11/28/2018 12:00	62.20	7080	156	2.20



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/28/2018 13:00	61.30	7620	210	2.80
11/28/2018 14:00	61.60	8788	221	2.50
11/28/2018 15:00	52.20	8612	522	6.10
11/28/2018 16:00	59.70	9102	240	2.60
11/28/2018 17:00	38.00	7744	820	10.60
11/28/2018 18:00	41.20	8559	757	8.80
11/28/2018 19:00	63.40	6299	148	2.30
11/28/2018 20:00	68.00	4591	86	1.90
11/28/2018 21:00	68.70	3678	49	1.30
11/28/2018 22:00	69.20	2682	30	1.10
11/28/2018 23:00	67.80	1578	8	0.50
11/29/2018 0:00	68.20	1103	17	1.50
11/29/2018 1:00	67.90	1052	8	0.80
11/29/2018 2:00	68.60	900	7	0.80
11/29/2018 3:00	68.10	915	2	0.20
11/29/2018 4:00	67.00	1204	7	0.60
11/29/2018 5:00	65.00	2399	25	1.00
11/29/2018 6:00	65.60	4427	82	1.90
11/29/2018 7:00	65.30	6337	143	2.30
11/29/2018 8:00	60.30	6350	154	2.40
11/29/2018 9:00	61.80	5990	151	2.50
11/29/2018 10:00	58.50	5629	125	2.20
11/29/2018 11:00	46.00	5482	317	5.80
11/29/2018 12:00	49.30	6276	129	2.10
11/29/2018 13:00	59.10	7114	238	3.30
11/29/2018 14:00	57.10	8108	246	3.00
11/29/2018 15:00	48.60	8112	595	7.30
11/29/2018 16:00	36.50	7814	794	10.20
11/29/2018 17:00	31.50	7233	791	10.90
11/29/2018 18:00	33.60	6733	466	6.90
11/29/2018 19:00	63.20	5416	139	2.60
11/29/2018 20:00	64.80	4239	79	1.90
11/29/2018 21:00	67.20	3465	48	1.40
11/29/2018 22:00	53.30	2135	56	2.60
11/29/2018 23:00	64.10	1821	14	0.80
11/30/2018 0:00	67.70	1360	9	0.70
11/30/2018 1:00	67.90	1086	4	0.40
11/30/2018 2:00	68.80	881	2	0.20
11/30/2018 3:00	68.40	912	6	0.70
11/30/2018 4:00	67.20	1114	4	0.40
11/30/2018 5:00	67.30	2474	17	0.70
11/30/2018 6:00	66.10	4265	84	2.00
11/30/2018 7:00	66.50	6360	157	2.50
11/30/2018 8:00	64.00	6849	142	2.10
11/30/2018 9:00	62.30	6524	175	2.70
11/30/2018 10:00	62.90	6580	125	1.90
11/30/2018 11:00	62.60	7369	158	2.10
11/30/2018 12:00	61.70	7804	242	3.10
11/30/2018 13:00	61.10	8144	244	3.00
11/30/2018 14:00	59.90	9152	268	2.90
11/30/2018 15:00	60.60	8983	289	3.20
11/30/2018 16:00	59.60	9003	237	2.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/30/2018 17:00	46.70	8566	673	7.90
11/30/2018 18:00	51.40	7885	417	5.30
11/30/2018 19:00	65.50	6050	168	2.80
11/30/2018 20:00	66.20	4734	97	2.00
11/30/2018 21:00	67.10	3862	47	1.20
11/30/2018 22:00	68.40	3374	38	1.10
11/30/2018 23:00	67.60	2394	33	1.40
12/01/2018 0:00	68.70	1755	10	0.60
12/01/2018 1:00	68.70	1306	7	0.50
12/01/2018 2:00	68.60	1151	1	0.10
12/01/2018 3:00	68.90	1002	8	0.80
12/01/2018 4:00	68.90	1054	7	0.70
12/01/2018 5:00	68.20	1374	4	0.30
12/01/2018 6:00	67.20	2454	31	1.30
12/01/2018 7:00	68.10	3642	63	1.70
12/01/2018 8:00	67.40	5006	97	1.90
12/01/2018 9:00	66.30	5945	129	2.20
12/01/2018 10:00	65.40	6493	171	2.60
12/01/2018 11:00	65.00	6632	170	2.60
12/01/2018 12:00	63.60	7169	184	2.60
12/01/2018 13:00	63.60	7323	203	2.80
12/01/2018 14:00	64.20	7201	204	2.80
12/01/2018 15:00	64.50	7230	215	3.00
12/01/2018 16:00	63.50	6992	184	2.60
12/01/2018 17:00	63.50	6670	165	2.50
12/01/2018 18:00	64.40	6016	168	2.80
12/01/2018 19:00	67.30	4684	105	2.20
12/01/2018 20:00	68.00	3912	70	1.80
12/01/2018 21:00	68.30	3787	74	2.00
12/01/2018 22:00	67.10	3250	33	1.00
12/01/2018 23:00	68.50	2516	23	0.90
12/02/2018 0:00	68.80	10941	1	0.00
12/02/2018 1:00	70.30	8783	0	0.00
12/02/2018 2:00	70.90	7399	0	0.00
12/02/2018 3:00	71.30	5867	2	0.00
12/02/2018 4:00	69.80	6399	0	0.00
12/02/2018 5:00	71.40	8805	3	0.00
12/02/2018 6:00	69.10	12517	1	0.00
12/02/2018 7:00	68.40	14989	0	0.00
12/02/2018 8:00	59.60	16726	1	0.00
12/02/2018 9:00	52.10	17424	0	0.00
12/02/2018 10:00	47.10	17483	0	0.00
12/02/2018 11:00	46.10	17335	0	0.00
12/02/2018 12:00	44.70	17435	0	0.00
12/02/2018 13:00	43.50	17139	0	0.00
12/02/2018 14:00	44.30	17192	0	0.00
12/02/2018 15:00	44.80	17287	2	0.00
12/02/2018 16:00	44.60	17406	7	0.00
12/02/2018 17:00	45.00	17463	1	0.00
12/02/2018 18:00	49.50	17508	0	0.00
12/02/2018 19:00	52.90	16934	0	0.00
12/02/2018 20:00	56.40	16569	0	0.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/02/2018 21:00	65.50	15094	0	0.00
12/02/2018 22:00	67.80	12981	0	0.00
12/02/2018 23:00	69.00	10264	0	0.00
12/03/2018 0:00	68.70	1148	9	0.80
12/03/2018 1:00	68.80	870	5	0.60
12/03/2018 2:00	69.10	814	6	0.70
12/03/2018 3:00	69.40	831	8	1.00
12/03/2018 4:00	68.70	1196	3	0.30
12/03/2018 5:00	69.20	2552	23	0.90
12/03/2018 6:00	68.00	4564	69	1.50
12/03/2018 7:00	65.00	6627	178	2.70
12/03/2018 8:00	63.80	6871	153	2.20
12/03/2018 9:00	62.60	6333	180	2.80
12/03/2018 10:00	63.40	6139	138	2.20
12/03/2018 11:00	62.20	6770	226	3.30
12/03/2018 12:00	63.90	6433	149	2.30
12/03/2018 13:00	63.30	7041	163	2.30
12/03/2018 14:00	59.80	8393	398	4.70
12/03/2018 15:00	55.90	8504	397	4.70
12/03/2018 16:00	58.20	8847	313	3.50
12/03/2018 17:00	33.00	7786	991	12.70
12/03/2018 18:00	42.40	8461	672	7.90
12/03/2018 19:00	65.70	5818	123	2.10
12/03/2018 20:00	67.70	4305	79	1.80
12/03/2018 21:00	67.60	3309	38	1.10
12/03/2018 22:00	67.90	2195	15	0.70
12/03/2018 23:00	67.20	1005	13	1.30
12/04/2018 0:00	70.50	752	0	0.00
12/04/2018 1:00	70.30	688	0	0.00
12/04/2018 2:00	69.50	619	0	0.00
12/04/2018 3:00	68.70	771	3	0.40
12/04/2018 4:00	68.20	1207	5	0.40
12/04/2018 5:00	66.90	2660	31	1.20
12/04/2018 6:00	66.20	4550	60	1.30
12/04/2018 7:00	66.20	6784	140	2.10
12/04/2018 8:00	60.00	6653	285	4.30
12/04/2018 9:00	56.00	6102	327	5.40
12/04/2018 10:00	63.80	6030	381	6.30
12/04/2018 11:00	62.70	6329	444	7.00
12/04/2018 12:00	62.30	6647	446	6.70
12/04/2018 13:00	61.60	7028	558	7.90
12/04/2018 14:00	61.00	8351	629	7.50
12/04/2018 15:00	56.80	8345	800	9.60
12/04/2018 16:00	56.20	8862	878	9.90
12/04/2018 17:00	36.80	8032	705	8.80
12/04/2018 18:00	49.70	8796	704	8.00
12/04/2018 19:00	61.90	6722	492	7.30
12/04/2018 20:00	68.10	4233	218	5.20
12/04/2018 21:00	68.60	3488	150	4.30
12/04/2018 22:00	68.80	2067	110	5.30
12/04/2018 23:00	68.40	1436	83	5.80
12/05/2018 0:00	68.50	1018	55	5.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/05/2018 1:00	68.70	761	27	3.50
12/05/2018 2:00	69.00	674	29	4.30
12/05/2018 3:00	69.50	647	29	4.50
12/05/2018 4:00	69.00	704	32	4.50
12/05/2018 5:00	67.30	2029	108	5.30
12/05/2018 6:00	66.60	3746	167	4.50
12/05/2018 7:00	67.10	6066	446	7.40
12/05/2018 8:00	65.40	6435	478	7.40
12/05/2018 9:00	65.50	6087	382	6.30
12/05/2018 10:00	64.70	6194	460	7.40
12/05/2018 11:00	64.90	6920	485	7.00
12/05/2018 12:00	62.00	6941	478	6.90
12/05/2018 13:00	48.80	6883	403	5.90
12/05/2018 14:00	44.70	7191	591	8.20
12/05/2018 15:00	36.80	6915	1100	15.90
12/05/2018 16:00	35.30	7015	965	13.80
12/05/2018 17:00	30.50	6842	1008	14.70
12/05/2018 18:00	51.40	8158	787	9.60
12/05/2018 19:00	63.00	5992	365	6.10
12/05/2018 20:00	68.10	4068	282	6.90
12/05/2018 21:00	68.80	2853	125	4.40
12/05/2018 22:00	68.60	1744	107	6.10
12/05/2018 23:00	67.60	1522	99	6.50
12/06/2018 0:00	68.70	1029	49	4.80
12/06/2018 1:00	68.50	766	34	4.40
12/06/2018 2:00	68.80	695	30	4.30
12/06/2018 3:00	67.70	704	41	5.80
12/06/2018 4:00	67.20	917	56	6.10
12/06/2018 5:00	66.30	2144	114	5.30
12/06/2018 6:00	61.40	3868	240	6.20
12/06/2018 7:00	63.40	6024	438	7.30
12/06/2018 8:00	62.90	6311	450	7.10
12/06/2018 9:00	60.30	5655	393	6.90
12/06/2018 10:00	60.40	5830	501	8.60
12/06/2018 11:00	62.70	6216	394	6.30
12/06/2018 12:00	62.50	6581	455	6.90
12/06/2018 13:00	63.00	6817	436	6.40
12/06/2018 14:00	60.10	8050	608	7.60
12/06/2018 15:00	53.50	8026	812	10.10
12/06/2018 16:00	28.30	6169	981	15.90
12/06/2018 17:00	24.30	6345	1033	16.30
12/06/2018 18:00	26.70	6301	979	15.50
12/06/2018 19:00	41.00	6534	640	9.80
12/06/2018 20:00	55.20	4090	275	6.70
12/06/2018 21:00	56.30	3178	204	6.40
12/06/2018 22:00	59.10	2366	170	7.20
12/06/2018 23:00	66.20	1607	96	6.00
12/07/2018 0:00	67.70	1156	55	4.80
12/07/2018 1:00	67.70	813	35	4.30
12/07/2018 2:00	68.30	705	24	3.40
12/07/2018 3:00	67.90	760	41	5.40
12/07/2018 4:00	66.90	1023	41	4.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/07/2018 5:00	67.60	2170	97	4.50
12/07/2018 6:00	66.70	3956	238	6.00
12/07/2018 7:00	66.20	6293	481	7.60
12/07/2018 8:00	63.30	6320	497	7.90
12/07/2018 9:00	63.70	6289	454	7.20
12/07/2018 10:00	57.00	8417	340	4.00
12/07/2018 11:00	62.20	6988	524	7.50
12/07/2018 12:00	61.10	7420	615	8.30
12/07/2018 13:00	60.90	7907	599	7.60
12/07/2018 14:00	60.40	8719	764	8.80
12/07/2018 15:00	58.30	8903	873	9.80
12/07/2018 16:00	59.10	8979	689	7.70
12/07/2018 17:00	55.10	8780	698	7.90
12/07/2018 18:00	57.40	6891	581	8.40
12/07/2018 19:00	60.80	6240	330	5.30
12/07/2018 20:00	66.40	4584	352	7.70
12/07/2018 21:00	67.40	3636	198	5.40
12/07/2018 22:00	67.20	3165	166	5.20
12/07/2018 23:00	68.50	2026	97	4.80
12/08/2018 0:00	69.70	1145	63	5.50
12/08/2018 1:00	68.30	1060	47	4.40
12/08/2018 2:00	68.10	803	35	4.40
12/08/2018 3:00	68.30	776	46	5.90
12/08/2018 4:00	68.50	797	39	4.90
12/08/2018 5:00	67.50	1146	76	6.60
12/08/2018 6:00	67.70	2088	77	3.70
12/08/2018 7:00	66.80	3339	129	3.90
12/08/2018 8:00	68.40	4847	314	6.50
12/08/2018 9:00	65.70	5551	356	6.40
12/08/2018 10:00	64.30	6218	453	7.30
12/08/2018 11:00	63.50	6817	546	8.00
12/08/2018 12:00	62.40	7028	541	7.70
12/08/2018 13:00	62.80	7173	534	7.40
12/08/2018 14:00	63.80	6954	519	7.50
12/08/2018 15:00	64.30	6956	537	7.70
12/08/2018 16:00	63.50	6939	478	6.90
12/08/2018 17:00	62.20	7084	584	8.20
12/08/2018 18:00	62.50	6404	610	9.50
12/08/2018 19:00	66.50	4898	388	7.90
12/08/2018 20:00	68.00	3827	230	6.00
12/08/2018 21:00	67.80	3633	233	6.40
12/08/2018 22:00	67.40	3104	182	5.90
12/08/2018 23:00	68.80	2274	127	5.60
12/09/2018 0:00	68.90	1446	88	6.10
12/09/2018 1:00	68.70	969	45	4.60
12/09/2018 2:00	68.80	808	35	4.30
12/09/2018 3:00	68.60	777	40	5.10
12/09/2018 4:00	68.80	713	42	5.90
12/09/2018 5:00	68.60	858	52	6.10
12/09/2018 6:00	68.70	1462	105	7.20
12/09/2018 7:00	67.90	2106	124	5.90
12/09/2018 8:00	68.70	3078	226	7.30

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/09/2018 9:00	68.10	4271	289	6.80
12/09/2018 10:00	66.80	5078	384	7.60
12/09/2018 11:00	64.70	5427	433	8.00
12/09/2018 12:00	65.30	5831	453	7.80
12/09/2018 13:00	64.70	5768	475	8.20
12/09/2018 14:00	65.90	5866	480	8.20
12/09/2018 15:00	66.30	5716	424	7.40
12/09/2018 16:00	66.10	5521	460	8.30
12/09/2018 17:00	64.90	5157	392	7.60
12/09/2018 18:00	66.40	4257	310	7.30
12/09/2018 19:00	68.10	3712	250	6.70
12/09/2018 20:00	67.20	3187	170	5.30
12/09/2018 21:00	66.70	2766	134	4.80
12/09/2018 22:00	68.60	1734	105	6.10
12/09/2018 23:00	68.60	1245	74	5.90
12/10/2018 0:00	68.80	783	29	3.70
12/10/2018 1:00	68.90	681	30	4.40
12/10/2018 2:00	68.80	619	30	4.80
12/10/2018 3:00	67.10	714	44	6.20
12/10/2018 4:00	68.10	1024	66	6.40
12/10/2018 5:00	67.80	2302	134	5.80
12/10/2018 6:00	66.90	4032	225	5.60
12/10/2018 7:00	67.00	6476	500	7.70
12/10/2018 8:00	64.90	6579	480	7.30
12/10/2018 9:00	63.50	6077	409	6.70
12/10/2018 10:00	65.10	5845	362	6.20
12/10/2018 11:00	65.30	6123	424	6.90
12/10/2018 12:00	64.60	6407	459	7.20
12/10/2018 13:00	64.70	6749	404	6.00
12/10/2018 14:00	63.70	8393	578	6.90
12/10/2018 15:00	61.40	8576	706	8.20
12/10/2018 16:00	55.60	8446	914	10.80
12/10/2018 17:00	47.70	8545	1069	12.50
12/10/2018 18:00	57.00	8260	727	8.80
12/10/2018 19:00	67.20	5227	385	7.40
12/10/2018 20:00	68.10	3767	259	6.90
12/10/2018 21:00	68.90	2885	149	5.20
12/10/2018 22:00	69.50	1742	82	4.70
12/10/2018 23:00	69.40	1224	62	5.10
12/11/2018 0:00	68.70	1014	63	6.20
12/11/2018 1:00	68.50	812	37	4.60
12/11/2018 2:00	69.00	703	36	5.10
12/11/2018 3:00	69.00	766	41	5.40
12/11/2018 4:00	68.10	998	44	4.40
12/11/2018 5:00	67.70	2220	109	4.90
12/11/2018 6:00	66.50	4283	295	6.90
12/11/2018 7:00	65.90	6673	518	7.80
12/11/2018 8:00	64.90	6408	484	7.60
12/11/2018 9:00	64.10	6177	466	7.50
12/11/2018 10:00	63.80	5853	390	6.70
12/11/2018 11:00	63.90	6454	491	7.60
12/11/2018 12:00	63.00	6722	388	5.80

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/11/2018 13:00	63.10	7288	124	1.70
12/11/2018 14:00	62.60	8389	664	7.90
12/11/2018 15:00	53.30	8341	874	10.50
12/11/2018 16:00	61.10	8838	674	7.60
12/11/2018 17:00	41.10	8501	1475	17.40
12/11/2018 18:00	45.00	6348	934	14.70
12/11/2018 19:00	62.40	6388	324	5.10
12/11/2018 20:00	68.20	4280	317	7.40
12/11/2018 21:00	68.20	3363	193	5.70
12/11/2018 22:00	68.40	2250	141	6.30
12/11/2018 23:00	68.80	1201	61	5.10
12/12/2018 0:00	71.40	987	10	1.00
12/12/2018 1:00	71.30	578	0	0.00
12/12/2018 2:00	71.00	471	0	0.00
12/12/2018 3:00	70.90	447	0	0.00
12/12/2018 4:00	71.10	783	6	0.80
12/12/2018 5:00	70.60	2307	35	1.50
12/12/2018 6:00	68.20	4390	73	1.70
12/12/2018 7:00	67.40	6258	76	1.20
12/12/2018 8:00	65.40	6627	77	1.20
12/12/2018 9:00	64.50	6261	65	1.00
12/12/2018 10:00	64.20	6108	71	1.20
12/12/2018 11:00	63.50	6730	71	1.10
12/12/2018 12:00	63.00	7166	86	1.20
12/12/2018 13:00	62.40	7605	145	1.90
12/12/2018 14:00	61.20	8827	159	1.80
12/12/2018 15:00	55.20	8814	389	4.40
12/12/2018 16:00	54.30	8861	314	3.50
12/12/2018 17:00	44.80	8452	1258	14.90
12/12/2018 18:00	54.10	8292	820	9.90
12/12/2018 19:00	66.50	6275	114	1.80
12/12/2018 20:00	69.20	4731	58	1.20
12/12/2018 21:00	70.70	3890	45	1.20
12/12/2018 22:00	71.20	2707	32	1.20
12/12/2018 23:00	71.00	1712	17	1.00
12/13/2018 0:00	68.20	1084	56	5.20
12/13/2018 1:00	68.20	821	43	5.20
12/13/2018 2:00	68.20	748	36	4.80
12/13/2018 3:00	68.40	742	38	5.10
12/13/2018 4:00	67.30	1048	58	5.50
12/13/2018 5:00	67.70	2368	112	4.70
12/13/2018 6:00	67.20	4376	252	5.80
12/13/2018 7:00	65.40	6274	471	7.50
12/13/2018 8:00	63.80	6543	505	7.70
12/13/2018 9:00	62.30	6437	507	7.90
12/13/2018 10:00	62.30	6238	454	7.30
12/13/2018 11:00	61.30	6587	445	6.80
12/13/2018 12:00	59.60	6752	508	7.50
12/13/2018 13:00	59.80	7527	535	7.10
12/13/2018 14:00	58.30	8486	640	7.50
12/13/2018 15:00	57.50	8356	648	7.80
12/13/2018 16:00	59.30	8257	555	6.70

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/13/2018 17:00	56.70	8468	585	6.90
12/13/2018 18:00	38.30	8045	1228	15.30
12/13/2018 19:00	59.30	6649	445	6.70
12/13/2018 20:00	65.10	4332	221	5.10
12/13/2018 21:00	67.00	3719	153	4.10
12/13/2018 22:00	67.20	2605	115	4.40
12/13/2018 23:00	68.50	1518	72	4.70
12/14/2018 0:00	68.20	1173	58	4.90
12/14/2018 1:00	67.70	861	42	4.90
12/14/2018 2:00	68.20	714	35	4.90
12/14/2018 3:00	68.60	754	31	4.10
12/14/2018 4:00	68.40	887	48	5.40
12/14/2018 5:00	67.80	2281	134	5.90
12/14/2018 6:00	66.70	4249	242	5.70
12/14/2018 7:00	67.00	5905	429	7.30
12/14/2018 8:00	64.70	6297	530	8.40
12/14/2018 9:00	63.10	6523	520	8.00
12/14/2018 10:00	64.30	6360	388	6.10
12/14/2018 11:00	62.40	7316	536	7.30
12/14/2018 12:00	62.20	7503	543	7.20
12/14/2018 13:00	62.60	8081	613	7.60
12/14/2018 14:00	61.40	9065	711	7.80
12/14/2018 15:00	61.00	8582	650	7.60
12/14/2018 16:00	61.10	8942	656	7.30
12/14/2018 17:00	53.40	8676	802	9.20
12/14/2018 18:00	55.10	8311	798	9.60
12/14/2018 19:00	63.20	6232	420	6.70
12/14/2018 20:00	66.90	4538	249	5.50
12/14/2018 21:00	67.10	4071	223	5.50
12/14/2018 22:00	67.30	3442	174	5.10
12/14/2018 23:00	67.90	2504	125	5.00
12/15/2018 0:00	67.90	1582	69	4.40
12/15/2018 1:00	69.00	931	39	4.20
12/15/2018 2:00	70.10	531	12	2.30
12/15/2018 3:00	70.20	520	12	2.30
12/15/2018 4:00	69.40	654	18	2.80
12/15/2018 5:00	68.40	1065	53	5.00
12/15/2018 6:00	68.20	2109	94	4.50
12/15/2018 7:00	67.10	3333	171	5.10
12/15/2018 8:00	67.10	4625	294	6.40
12/15/2018 9:00	65.60	5497	375	6.80
12/15/2018 10:00	65.00	6134	434	7.10
12/15/2018 11:00	63.10	7099	547	7.70
12/15/2018 12:00	62.60	7128	515	7.20
12/15/2018 13:00	62.10	7241	465	6.40
12/15/2018 14:00	64.80	7127	561	7.90
12/15/2018 15:00	64.70	6884	506	7.40
12/15/2018 16:00	64.80	6478	376	5.80
12/15/2018 17:00	63.60	6193	426	6.90
12/15/2018 18:00	63.80	5939	413	7.00
12/15/2018 19:00	67.80	4795	331	6.90
12/15/2018 20:00	68.10	4199	239	5.70



Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/15/2018 21:00	68.60	3674	221	6.00
12/15/2018 22:00	68.70	3169	189	6.00
12/15/2018 23:00	68.90	2378	146	6.10
12/16/2018 0:00	69.00	1636	105	6.40
12/16/2018 1:00	68.50	920	47	5.10
12/16/2018 2:00	70.00	526	17	3.20
12/16/2018 3:00	69.20	669	25	3.70
12/16/2018 4:00	69.10	725	39	5.40
12/16/2018 5:00	69.20	756	35	4.60
12/16/2018 6:00	68.90	1279	80	6.30
12/16/2018 7:00	68.20	2065	139	6.70
12/16/2018 8:00	68.70	3135	217	6.90
12/16/2018 9:00	67.70	4434	335	7.60
12/16/2018 10:00	67.10	5234	392	7.50
12/16/2018 11:00	66.10	5450	441	8.10
12/16/2018 12:00	65.20	6022	463	7.70
12/16/2018 13:00	65.30	6006	450	7.50
12/16/2018 14:00	66.30	5573	406	7.30
12/16/2018 15:00	66.70	5897	441	7.50
12/16/2018 16:00	65.40	6079	457	7.50
12/16/2018 17:00	64.40	5661	410	7.20
12/16/2018 18:00	67.50	4557	305	6.70
12/16/2018 19:00	68.40	3782	217	5.70
12/16/2018 20:00	68.70	3417	207	6.10
12/16/2018 21:00	67.80	2673	150	5.60
12/16/2018 22:00	68.30	2115	135	6.40
12/16/2018 23:00	69.60	1036	53	5.10
12/17/2018 0:00	52.10	3363	0	0.00
12/17/2018 1:00	76.20	2544	0	0.00
12/17/2018 2:00	68.80	2377	0	0.00
12/17/2018 3:00	75.10	3116	1	0.00
12/17/2018 4:00	64.10	5270	0	0.00
12/17/2018 5:00	55.80	7730	0	0.00
12/17/2018 6:00	62.70	5352	253	4.70
12/17/2018 7:00	66.40	6260	436	7.00
12/17/2018 8:00	64.50	6395	468	7.30
12/17/2018 9:00	70.10	8977	229	2.60
12/17/2018 10:00	75.00	12758	92	0.70
12/17/2018 11:00	67.60	10294	246	2.40
12/17/2018 12:00	64.40	7775	399	5.10
12/17/2018 13:00	63.30	7524	478	6.40
12/17/2018 14:00	62.10	8084	622	7.70
12/17/2018 15:00	61.00	8461	676	8.00
12/17/2018 16:00	60.50	8353	591	7.10
12/17/2018 17:00	55.00	8551	901	10.50
12/17/2018 18:00	53.50	10661	770	7.20
12/17/2018 19:00	73.80	14143	1	0.00
12/17/2018 20:00	79.80	13013	0	0.00
12/17/2018 21:00	78.00	11942	1	0.00
12/17/2018 22:00	72.70	9573	10	0.10
12/17/2018 23:00	69.90	6393	6	0.10
12/18/2018 0:00	68.70	1018	47	4.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/18/2018 1:00	68.70	839	35	4.20
12/18/2018 2:00	69.20	690	35	5.10
12/18/2018 3:00	68.90	766	41	5.40
12/18/2018 4:00	68.50	1038	38	3.70
12/18/2018 5:00	68.70	2174	116	5.30
12/18/2018 6:00	65.50	4141	211	5.10
12/18/2018 7:00	65.50	6069	421	6.90
12/18/2018 8:00	63.10	6207	500	8.10
12/18/2018 9:00	63.70	6264	480	7.70
12/18/2018 10:00	63.40	6492	470	7.20
12/18/2018 11:00	61.80	6889	554	8.00
12/18/2018 12:00	61.30	7099	612	8.60
12/18/2018 13:00	62.70	7022	522	7.40
12/18/2018 14:00	48.70	8352	345	4.10
12/18/2018 15:00	41.90	7273	888	12.20
12/18/2018 16:00	50.10	8575	988	11.50
12/18/2018 17:00	39.90	7998	1318	16.50
12/18/2018 18:00	37.00	7335	1017	13.90
12/18/2018 19:00	65.20	6230	422	6.80
12/18/2018 20:00	68.00	4164	200	4.80
12/18/2018 21:00	68.50	3323	216	6.50
12/18/2018 22:00	69.30	2223	138	6.20
12/18/2018 23:00	68.30	1334	72	5.40
12/19/2018 0:00	68.90	1051	58	5.50
12/19/2018 1:00	68.60	848	46	5.40
12/19/2018 2:00	68.80	706	37	5.20
12/19/2018 3:00	68.50	722	31	4.30
12/19/2018 4:00	68.50	1030	47	4.60
12/19/2018 5:00	68.60	2307	103	4.50
12/19/2018 6:00	66.90	4021	206	5.10
12/19/2018 7:00	66.30	6051	463	7.70
12/19/2018 8:00	65.60	6258	457	7.30
12/19/2018 9:00	64.70	6085	458	7.50
12/19/2018 10:00	64.60	6255	452	7.20
12/19/2018 11:00	63.30	6826	537	7.90
12/19/2018 12:00	62.60	7001	560	8.00
12/19/2018 13:00	62.60	7234	597	8.30
12/19/2018 14:00	62.20	8416	660	7.80
12/19/2018 15:00	59.10	8437	714	8.50
12/19/2018 16:00	61.60	8803	652	7.40
12/19/2018 17:00	45.80	7894	417	5.30
12/19/2018 18:00	58.80	8382	722	8.60
12/19/2018 19:00	64.30	6272	484	7.70
12/19/2018 20:00	68.30	4438	263	5.90
12/19/2018 21:00	68.20	3732	212	5.70
12/19/2018 22:00	68.80	2431	161	6.60
12/19/2018 23:00	68.90	1290	60	4.70
12/20/2018 0:00	68.60	1157	68	5.90
12/20/2018 1:00	69.00	887	38	4.30
12/20/2018 2:00	68.80	736	36	4.90
12/20/2018 3:00	69.00	740	31	4.20
12/20/2018 4:00	68.40	1000	50	5.00

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/20/2018 5:00	68.10	2196	121	5.50
12/20/2018 6:00	66.30	4102	219	5.30
12/20/2018 7:00	65.60	5914	439	7.40
12/20/2018 8:00	65.40	6105	442	7.20
12/20/2018 9:00	63.60	6374	469	7.40
12/20/2018 10:00	64.20	6228	444	7.10
12/20/2018 11:00	62.80	6801	515	7.60
12/20/2018 12:00	62.70	7274	578	7.90
12/20/2018 13:00	63.20	7372	556	7.50
12/20/2018 14:00	61.60	8547	693	8.10
12/20/2018 15:00	62.50	8293	563	6.80
12/20/2018 16:00	62.00	8657	614	7.10
12/20/2018 17:00	48.90	8429	1123	13.30
12/20/2018 18:00	58.00	8162	663	8.10
12/20/2018 19:00	66.20	5986	441	7.40
12/20/2018 20:00	69.00	4724	296	6.30
12/20/2018 21:00	70.00	3810	216	5.70
12/20/2018 22:00	69.30	2774	168	6.10
12/20/2018 23:00	69.60	1448	84	5.80
12/21/2018 0:00	68.80	1193	71	6.00
12/21/2018 1:00	68.50	888	33	3.70
12/21/2018 2:00	69.30	816	37	4.50
12/21/2018 3:00	68.80	757	38	5.00
12/21/2018 4:00	68.00	1030	62	6.00
12/21/2018 5:00	67.50	2091	96	4.60
12/21/2018 6:00	64.70	3978	221	5.60
12/21/2018 7:00	66.50	5538	305	5.50
12/21/2018 8:00	65.90	6162	441	7.20
12/21/2018 9:00	64.40	6250	458	7.30
12/21/2018 10:00	63.50	6854	485	7.10
12/21/2018 11:00	64.40	7538	598	7.90
12/21/2018 12:00	63.70	8185	609	7.40
12/21/2018 13:00	63.90	8425	573	6.80
12/21/2018 14:00	62.50	8804	663	7.50
12/21/2018 15:00	64.10	8338	588	7.10
12/21/2018 16:00	63.40	8477	649	7.70
12/21/2018 17:00	58.60	8529	697	8.20
12/21/2018 18:00	62.50	6851	474	6.90
12/21/2018 19:00	68.00	5633	346	6.10
12/21/2018 20:00	68.60	4520	261	5.80
12/21/2018 21:00	69.30	3917	219	5.60
12/21/2018 22:00	69.20	3370	179	5.30
12/21/2018 23:00	68.60	2339	95	4.10
12/22/2018 0:00	68.60	1388	73	5.30
12/22/2018 1:00	68.20	1096	54	4.90
12/22/2018 2:00	68.30	900	43	4.80
12/22/2018 3:00	68.60	747	38	5.10
12/22/2018 4:00	68.20	914	53	5.80
12/22/2018 5:00	68.50	1175	48	4.10
12/22/2018 6:00	68.40	1938	62	3.20
12/22/2018 7:00	67.90	2997	140	4.70
12/22/2018 8:00	67.30	4174	224	5.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/22/2018 9:00	65.90	5535	388	7.00
12/22/2018 10:00	64.40	6405	523	8.20
12/22/2018 11:00	64.80	6580	426	6.50
12/22/2018 12:00	64.70	6826	500	7.30
12/22/2018 13:00	64.40	7049	532	7.50
12/22/2018 14:00	65.20	6905	467	6.80
12/22/2018 15:00	65.60	6831	485	7.10
12/22/2018 16:00	66.20	6150	393	6.40
12/22/2018 17:00	65.10	5987	385	6.40
12/22/2018 18:00	65.50	5438	388	7.10
12/22/2018 19:00	66.70	4537	329	7.30
12/22/2018 20:00	68.50	4052	244	6.00
12/22/2018 21:00	69.40	3874	227	5.90
12/22/2018 22:00	68.80	3327	212	6.40
12/22/2018 23:00	69.70	1973	91	4.60
12/23/2018 0:00	49.50	6516	0	0.00
12/23/2018 1:00	59.20	5314	0	0.00
12/23/2018 2:00	62.20	4234	0	0.00
12/23/2018 3:00	60.50	3595	0	0.00
12/23/2018 4:00	62.70	3767	0	0.00
12/23/2018 5:00	62.30	5433	0	0.00
12/23/2018 6:00	57.10	7139	0	0.00
12/23/2018 7:00	56.20	9193	0	0.00
12/23/2018 8:00	51.90	11276	0	0.00
12/23/2018 9:00	42.50	11704	0	0.00
12/23/2018 10:00	37.40	12746	4	0.00
12/23/2018 11:00	46.40	17830	2	0.00
12/23/2018 12:00	46.60	17668	1	0.00
12/23/2018 13:00	46.50	17597	1	0.00
12/23/2018 14:00	46.40	17448	2	0.00
12/23/2018 15:00	46.70	17597	0	0.00
12/23/2018 16:00	46.20	17416	1	0.00
12/23/2018 17:00	45.40	16687	0	0.00
12/23/2018 18:00	48.80	17578	0	0.00
12/23/2018 19:00	55.10	15971	17	0.10
12/23/2018 20:00	39.60	10500	2	0.00
12/23/2018 21:00	47.70	10063	0	0.00
12/23/2018 22:00	53.10	9262	0	0.00
12/23/2018 23:00	59.70	7336	0	0.00
12/24/2018 0:00	69.30	1138	58	5.10
12/24/2018 1:00	69.30	848	44	5.20
12/24/2018 2:00	69.50	733	27	3.70
12/24/2018 3:00	69.50	711	35	4.90
12/24/2018 4:00	67.80	892	48	5.40
12/24/2018 5:00	67.20	1226	53	4.30
12/24/2018 6:00	67.20	1763	92	5.20
12/24/2018 7:00	68.20	3109	199	6.40
12/24/2018 8:00	67.30	3875	299	7.70
12/24/2018 9:00	67.60	4382	330	7.50
12/24/2018 10:00	67.40	5111	406	7.90
12/24/2018 11:00	66.60	6132	452	7.40
12/24/2018 12:00	66.10	6766	501	7.40

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/24/2018 13:00	67.40	6512	365	5.60
12/24/2018 14:00	68.70	6492	409	6.30
12/24/2018 15:00	68.50	6088	417	6.80
12/24/2018 16:00	67.80	5909	381	6.40
12/24/2018 17:00	66.90	5619	378	6.70
12/24/2018 18:00	68.70	4284	252	5.90
12/24/2018 19:00	69.20	3535	213	6.00
12/24/2018 20:00	70.10	3114	179	5.70
12/24/2018 21:00	68.60	3219	253	7.90
12/24/2018 22:00	69.80	2208	116	5.30
12/24/2018 23:00	70.30	1435	85	5.90
12/25/2018 0:00	60.50	6176	0	0.00
12/25/2018 1:00	80.40	5334	0	0.00
12/25/2018 2:00	79.70	3316	0	0.00
12/25/2018 3:00	75.00	2389	0	0.00
12/25/2018 4:00	70.70	2372	1	0.00
12/25/2018 5:00	60.50	3536	0	0.00
12/25/2018 6:00	64.60	4605	0	0.00
12/25/2018 7:00	71.40	5790	0	0.00
12/25/2018 8:00	61.70	7283	0	0.00
12/25/2018 9:00	51.70	8264	0	0.00
12/25/2018 10:00	60.60	10579	0	0.00
12/25/2018 11:00	57.00	11114	0	0.00
12/25/2018 12:00	43.80	10231	0	0.00
12/25/2018 13:00	48.60	11540	0	0.00
12/25/2018 14:00	43.70	10527	0	0.00
12/25/2018 15:00	43.20	10346	0	0.00
12/25/2018 16:00	47.80	11294	8	0.10
12/25/2018 17:00	45.40	10365	0	0.00
12/25/2018 18:00	54.80	11613	0	0.00
12/25/2018 19:00	61.10	12555	0	0.00
12/25/2018 20:00	63.70	12578	0	0.00
12/25/2018 21:00	78.20	11571	0	0.00
12/25/2018 22:00	80.40	9828	0	0.00
12/25/2018 23:00	82.10	6729	0	0.00
12/26/2018 0:00	75.00	4592	0	0.00
12/26/2018 1:00	73.00	2958	0	0.00
12/26/2018 2:00	70.70	3005	0	0.00
12/26/2018 3:00	67.00	3409	0	0.00
12/26/2018 4:00	67.60	6224	0	0.00
12/26/2018 5:00	58.20	9997	0	0.00
12/26/2018 6:00	59.30	10875	0	0.00
12/26/2018 7:00	63.00	12124	0	0.00
12/26/2018 8:00	69.20	12693	0	0.00
12/26/2018 9:00	59.60	11489	0	0.00
12/26/2018 10:00	53.60	9881	81	0.80
12/26/2018 11:00	78.20	15549	266	1.70
12/26/2018 12:00	67.30	14097	72	0.50
12/26/2018 13:00	65.90	12450	164	1.30
12/26/2018 14:00	63.60	8016	465	5.80
12/26/2018 15:00	64.40	7734	472	6.10
12/26/2018 16:00	62.60	7860	557	7.10

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/26/2018 17:00	61.40	10581	101	1.00
12/26/2018 18:00	69.50	16563	0	0.00
12/26/2018 19:00	76.60	16362	0	0.00
12/26/2018 20:00	80.20	16076	0	0.00
12/26/2018 21:00	78.90	15673	0	0.00
12/26/2018 22:00	82.90	14654	1	0.00
12/26/2018 23:00	79.40	12352	2	0.00
12/27/2018 0:00	77.50	8631	1	0.00
12/27/2018 1:00	76.40	6799	3	0.00
12/27/2018 2:00	72.20	6167	2	0.00
12/27/2018 3:00	75.30	6781	6	0.10
12/27/2018 4:00	69.20	11322	9	0.10
12/27/2018 5:00	55.90	14902	7	0.00
12/27/2018 6:00	61.60	10975	54	0.50
12/27/2018 7:00	60.60	6638	259	3.90
12/27/2018 8:00	52.60	10204	156	1.50
12/27/2018 9:00	62.60	11654	187	1.60
12/27/2018 10:00	63.10	11760	145	1.20
12/27/2018 11:00	60.80	11900	183	1.50
12/27/2018 12:00	63.50	8210	405	4.90
12/27/2018 13:00	62.80	7807	839	10.70
12/27/2018 14:00	62.50	8012	473	5.90
12/27/2018 15:00	63.40	8077	536	6.60
12/27/2018 16:00	63.80	7748	475	6.10
12/27/2018 17:00	59.60	10494	401	3.80
12/27/2018 18:00	58.40	16579	1	0.00
12/27/2018 19:00	63.40	15517	0	0.00
12/27/2018 20:00	72.40	16227	0	0.00
12/27/2018 21:00	79.30	16080	0	0.00
12/27/2018 22:00	82.30	14489	0	0.00
12/27/2018 23:00	80.80	12129	1	0.00
12/28/2018 0:00	69.60	962	35	3.60
12/28/2018 1:00	70.10	577	16	2.80
12/28/2018 2:00	69.10	690	31	4.50
12/28/2018 3:00	68.70	738	33	4.50
12/28/2018 4:00	67.40	952	47	4.90
12/28/2018 5:00	69.00	1844	78	4.20
12/28/2018 6:00	66.10	3425	185	5.40
12/28/2018 7:00	67.20	4586	307	6.70
12/28/2018 8:00	65.00	5243	384	7.30
12/28/2018 9:00	65.20	5220	351	6.70
12/28/2018 10:00	64.10	5991	476	7.90
12/28/2018 11:00	64.70	6880	521	7.60
12/28/2018 12:00	64.20	7285	546	7.50
12/28/2018 13:00	63.30	7692	558	7.30
12/28/2018 14:00	62.00	8334	644	7.70
12/28/2018 15:00	62.80	7792	478	6.10
12/28/2018 16:00	62.70	7932	481	6.10
12/28/2018 17:00	62.30	7613	485	6.40
12/28/2018 18:00	66.00	5939	385	6.50
12/28/2018 19:00	68.00	4808	290	6.00
12/28/2018 20:00	68.80	4028	251	6.20

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/28/2018 21:00	68.50	3483	181	5.20
12/28/2018 22:00	68.70	2821	133	4.70
12/28/2018 23:00	68.80	1952	93	4.80
12/29/2018 0:00	69.20	1201	62	5.20
12/29/2018 1:00	70.40	573	22	3.80
12/29/2018 2:00	70.50	510	11	2.20
12/29/2018 3:00	68.80	753	31	4.10
12/29/2018 4:00	68.90	749	35	4.70
12/29/2018 5:00	69.00	828	32	3.90
12/29/2018 6:00	67.90	1721	78	4.50
12/29/2018 7:00	68.00	2543	125	4.90
12/29/2018 8:00	67.90	3619	225	6.20
12/29/2018 9:00	66.30	4741	347	7.30
12/29/2018 10:00	65.50	5625	417	7.40
12/29/2018 11:00	64.50	6231	485	7.80
12/29/2018 12:00	64.20	6566	500	7.60
12/29/2018 13:00	65.20	6444	455	7.10
12/29/2018 14:00	65.30	6246	430	6.90
12/29/2018 15:00	66.50	6351	463	7.30
12/29/2018 16:00	65.60	6439	424	6.60
12/29/2018 17:00	64.60	5928	445	7.50
12/29/2018 18:00	65.80	5354	382	7.10
12/29/2018 19:00	67.50	4149	260	6.30
12/29/2018 20:00	68.80	3360	198	5.90
12/29/2018 21:00	68.60	3073	168	5.50
12/29/2018 22:00	68.50	2598	172	6.60
12/29/2018 23:00	68.90	1828	118	6.50
12/30/2018 0:00	68.90	1070	59	5.50
12/30/2018 1:00	69.90	608	23	3.80
12/30/2018 2:00	69.60	634	27	4.30
12/30/2018 3:00	68.70	686	34	5.00
12/30/2018 4:00	68.80	711	32	4.50
12/30/2018 5:00	69.00	772	26	3.40
12/30/2018 6:00	68.30	1048	52	5.00
12/30/2018 7:00	68.00	1674	110	6.60
12/30/2018 8:00	67.60	2759	208	7.50
12/30/2018 9:00	67.40	3868	298	7.70
12/30/2018 10:00	67.50	4632	350	7.60

Table A-2-2. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1117931  
 Located on Southbound I-15 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/30/2018 11:00	66.30	4984	403	8.10
12/30/2018 12:00	65.60	5301	366	6.90
12/30/2018 13:00	65.60	5561	445	8.00
12/30/2018 14:00	66.20	5135	418	8.10
12/30/2018 15:00	66.70	5070	344	6.80
12/30/2018 16:00	66.60	5000	352	7.00
12/30/2018 17:00	64.70	5047	378	7.50
12/30/2018 18:00	66.00	4412	329	7.50
12/30/2018 19:00	68.00	3764	278	7.40
12/30/2018 20:00	68.10	3088	167	5.40
12/30/2018 21:00	68.30	2548	151	5.90
12/30/2018 22:00	68.40	2052	106	5.20
12/30/2018 23:00	68.30	1157	50	4.30
12/31/2018 0:00	83.20	7834	0	0.00
12/31/2018 1:00	79.20	6056	0	0.00
12/31/2018 2:00	67.00	5015	0	0.00
12/31/2018 3:00	74.70	5468	0	0.00
12/31/2018 4:00	81.80	8235	1	0.00
12/31/2018 5:00	79.00	12969	0	0.00
12/31/2018 6:00	64.40	15041	0	0.00
12/31/2018 7:00	59.90	15960	0	0.00
12/31/2018 8:00	61.00	16343	0	0.00
12/31/2018 9:00	59.30	16553	1	0.00
12/31/2018 10:00	57.10	16534	0	0.00
12/31/2018 11:00	54.30	16653	0	0.00
12/31/2018 12:00	51.20	15512	0	0.00
12/31/2018 13:00	48.10	13874	36	0.30
12/31/2018 14:00	55.20	13263	134	1.00
12/31/2018 15:00	56.10	11767	133	1.10
12/31/2018 16:00	53.10	15982	0	0.00
12/31/2018 17:00	52.60	16050	1	0.00
12/31/2018 18:00	58.60	17444	3	0.00
12/31/2018 19:00	59.40	14306	2	0.00
12/31/2018 20:00	42.30	9960	0	0.00
12/31/2018 21:00	55.90	8802	0	0.00
12/31/2018 22:00	58.00	7564	0	0.00
12/31/2018 23:00	54.80	6214	2	0.00

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnnode=VDS&content=loops&tab=det\\_timeseries&station\\_id=1117931&s\\_time\\_id=1538352000&s\\_time\\_id\\_f=10%2F01%2F2018+00%3A00&e\\_time\\_id=1546300740&e\\_time\\_id\\_f=12%2F31%2F2018+23%3A59&tod=all&tod\\_from=0&tod\\_to=0&dow\\_0=on&dow\\_1=on&dow\\_2=on&dow\\_3=on&dow\\_4=on&dow\\_5=on&dow\\_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on](http://pems.dot.ca.gov/?report_form=1&dnnode=VDS&content=loops&tab=det_timeseries&station_id=1117931&s_time_id=1538352000&s_time_id_f=10%2F01%2F2018+00%3A00&e_time_id=1546300740&e_time_id_f=12%2F31%2F2018+23%3A59&tod=all&tod_from=0&tod_to=0&dow_0=on&dow_1=on&dow_2=on&dow_3=on&dow_4=on&dow_5=on&dow_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on).  
 Accessed: January 2019.

Abbreviations:

- % - percent
- mph - miles per hour
- SDSU - San Diego State University
- Veh - vehicle



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/01/2018 0:00	66.70	2473	81	3.30
1/01/2018 1:00	66.70	2311	76	3.30
1/01/2018 2:00	68.10	1835	55	3.00
1/01/2018 3:00	69.30	1200	36	3.00
1/01/2018 4:00	70.60	886	10	1.10
1/01/2018 5:00	69.00	623	14	2.20
1/01/2018 6:00	67.10	884	23	2.60
1/01/2018 7:00	67.40	1255	26	2.10
1/01/2018 8:00	68.80	1651	28	1.70
1/01/2018 9:00	67.90	2424	91	3.80
1/01/2018 10:00	66.80	2999	148	4.90
1/01/2018 11:00	50.80	4892	868	17.70
1/01/2018 12:00	57.40	4950	597	12.10
1/01/2018 13:00	58.80	5241	504	9.60
1/01/2018 14:00	60.10	5426	506	9.30
1/01/2018 15:00	61.40	5616	491	8.70
1/01/2018 16:00	59.20	5854	587	10.00
1/01/2018 17:00	57.50	5345	519	9.70
1/01/2018 18:00	65.30	4095	159	3.90
1/01/2018 19:00	55.10	4275	558	13.10
1/01/2018 20:00	59.20	3128	331	10.60
1/01/2018 21:00	56.00	3013	439	14.60
1/01/2018 22:00	54.70	2549	393	15.40
1/01/2018 23:00	44.60	2471	564	22.80
1/02/2018 0:00	37.90	1716	484	28.20
1/02/2018 1:00	32.40	826	209	25.30
1/02/2018 2:00	33.00	506	137	27.10
1/02/2018 3:00	32.80	360	91	25.30
1/02/2018 4:00	35.70	831	236	28.40
1/02/2018 5:00	52.20	1070	169	15.80
1/02/2018 6:00	50.70	2413	471	19.50
1/02/2018 7:00	63.90	3384	238	7.00
1/02/2018 8:00	64.00	3917	315	8.00
1/02/2018 9:00	57.00	4722	594	12.60
1/02/2018 10:00	56.70	5275	680	12.90
1/02/2018 11:00	58.00	5907	661	11.20
1/02/2018 12:00	61.60	6157	502	8.20
1/02/2018 13:00	61.60	6547	399	6.10
1/02/2018 14:00	58.30	8163	708	8.70
1/02/2018 15:00	55.80	9578	975	10.20
1/02/2018 16:00	56.30	9589	906	9.40
1/02/2018 17:00	53.10	9210	846	9.20
1/02/2018 18:00	57.20	6826	603	8.80
1/02/2018 19:00	58.10	5310	624	11.80
1/02/2018 20:00	58.70	4485	539	12.00
1/02/2018 21:00	57.20	4095	628	15.30
1/02/2018 22:00	60.70	2548	253	9.90
1/02/2018 23:00	63.80	1829	128	7.00
1/03/2018 0:00	68.90	1092	13	1.20
1/03/2018 1:00	68.10	607	15	2.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/03/2018 2:00	67.80	433	7	1.60
1/03/2018 3:00	67.30	357	8	2.20
1/03/2018 4:00	66.70	467	14	3.00
1/03/2018 5:00	68.40	1010	39	3.90
1/03/2018 6:00	67.00	2359	123	5.20
1/03/2018 7:00	69.10	4047	197	4.90
1/03/2018 8:00	67.10	4574	236	5.20
1/03/2018 9:00	65.70	4650	176	3.80
1/03/2018 10:00	65.20	4873	185	3.80
1/03/2018 11:00	66.00	5726	221	3.90
1/03/2018 12:00	65.00	6323	261	4.10
1/03/2018 13:00	65.70	6993	243	3.50
1/03/2018 14:00	63.90	8551	271	3.20
1/03/2018 15:00	62.20	9484	316	3.30
1/03/2018 16:00	57.20	9475	375	4.00
1/03/2018 17:00	53.10	8882	487	5.50
1/03/2018 18:00	56.70	7805	343	4.40
1/03/2018 19:00	65.80	5448	195	3.60
1/03/2018 20:00	68.50	4491	164	3.70
1/03/2018 21:00	68.80	3849	181	4.70
1/03/2018 22:00	69.80	2686	95	3.50
1/03/2018 23:00	69.70	1997	70	3.50
1/04/2018 0:00	67.60	1060	35	3.30
1/04/2018 1:00	66.70	661	18	2.70
1/04/2018 2:00	67.50	474	4	0.80
1/04/2018 3:00	67.60	384	4	1.00
1/04/2018 4:00	67.30	469	21	4.50
1/04/2018 5:00	67.00	1015	31	3.10
1/04/2018 6:00	67.70	2246	80	3.60
1/04/2018 7:00	69.70	4123	124	3.00
1/04/2018 8:00	67.60	4646	191	4.10
1/04/2018 9:00	66.00	4541	196	4.30
1/04/2018 10:00	67.10	4986	173	3.50
1/04/2018 11:00	65.00	5837	262	4.50
1/04/2018 12:00	65.10	6524	273	4.20
1/04/2018 13:00	65.30	7385	272	3.70
1/04/2018 14:00	63.30	8773	309	3.50
1/04/2018 15:00	61.40	8448	256	3.00
1/04/2018 16:00	56.80	9430	384	4.10
1/04/2018 17:00	55.40	8889	343	3.90
1/04/2018 18:00	56.70	7991	330	4.10
1/04/2018 19:00	63.90	5747	229	4.00
1/04/2018 20:00	66.80	4579	181	4.00
1/04/2018 21:00	67.30	4029	195	4.80
1/04/2018 22:00	68.90	2899	127	4.40
1/04/2018 23:00	68.70	2044	70	3.40
1/05/2018 0:00	68.10	1237	30	2.40
1/05/2018 1:00	68.90	772	11	1.40
1/05/2018 2:00	68.00	498	8	1.60
1/05/2018 3:00	65.90	399	22	5.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/05/2018 4:00	67.90	485	10	2.10
1/05/2018 5:00	68.40	1064	29	2.70
1/05/2018 6:00	69.50	2346	75	3.20
1/05/2018 7:00	69.50	4228	163	3.90
1/05/2018 8:00	66.50	4716	226	4.80
1/05/2018 9:00	65.70	4762	191	4.00
1/05/2018 10:00	66.70	5291	193	3.60
1/05/2018 11:00	65.00	6266	271	4.30
1/05/2018 12:00	64.40	7140	350	4.90
1/05/2018 13:00	63.70	7651	346	4.50
1/05/2018 14:00	63.00	9019	248	2.70
1/05/2018 15:00	54.60	9354	332	3.50
1/05/2018 16:00	36.10	9126	184	2.00
1/05/2018 17:00	43.20	8584	302	3.50
1/05/2018 18:00	59.80	7434	317	4.30
1/05/2018 19:00	63.70	5597	315	5.60
1/05/2018 20:00	64.80	4697	232	4.90
1/05/2018 21:00	70.40	4954	98	2.00
1/05/2018 22:00	71.20	4138	96	2.30
1/05/2018 23:00	70.30	2829	35	1.20
1/06/2018 0:00	69.40	1909	59	3.10
1/06/2018 1:00	69.00	1146	35	3.10
1/06/2018 2:00	68.40	1026	29	2.80
1/06/2018 3:00	68.20	557	15	2.70
1/06/2018 4:00	68.20	472	12	2.50
1/06/2018 5:00	66.80	678	26	3.80
1/06/2018 6:00	70.00	1337	41	3.10
1/06/2018 7:00	66.10	2299	120	5.20
1/06/2018 8:00	68.40	3196	85	2.70
1/06/2018 9:00	67.60	4419	161	3.60
1/06/2018 10:00	67.50	5090	146	2.90
1/06/2018 11:00	67.50	6015	191	3.20
1/06/2018 12:00	67.30	6594	162	2.50
1/06/2018 13:00	67.50	6848	175	2.60
1/06/2018 14:00	67.60	7092	179	2.50
1/06/2018 15:00	66.70	7137	229	3.20
1/06/2018 16:00	66.10	6874	182	2.60
1/06/2018 17:00	63.00	6692	311	4.60
1/06/2018 18:00	63.10	5621	273	4.90
1/06/2018 19:00	64.30	4732	183	3.90
1/06/2018 20:00	64.80	4351	142	3.30
1/06/2018 21:00	68.50	4273	171	4.00
1/06/2018 22:00	69.50	4038	136	3.40
1/06/2018 23:00	71.00	2934	114	3.90
1/07/2018 0:00	69.70	2154	58	2.70
1/07/2018 1:00	69.60	1513	55	3.60
1/07/2018 2:00	68.00	1120	47	4.20
1/07/2018 3:00	68.50	526	17	3.20
1/07/2018 4:00	66.70	372	28	7.50
1/07/2018 5:00	68.90	544	6	1.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/07/2018 6:00	66.60	1065	44	4.10
1/07/2018 7:00	69.50	1708	34	2.00
1/07/2018 8:00	67.30	2775	79	2.80
1/07/2018 9:00	66.90	3912	122	3.10
1/07/2018 10:00	67.40	4929	133	2.70
1/07/2018 11:00	67.40	5729	123	2.10
1/07/2018 12:00	60.30	6670	570	8.50
1/07/2018 13:00	60.20	6408	496	7.70
1/07/2018 14:00	59.90	7237	454	6.30
1/07/2018 15:00	60.70	6422	388	6.00
1/07/2018 16:00	58.00	6956	618	8.90
1/07/2018 17:00	56.80	6343	537	8.50
1/07/2018 18:00	58.80	4990	400	8.00
1/07/2018 19:00	55.90	4970	629	12.70
1/07/2018 20:00	61.00	3500	314	9.00
1/07/2018 21:00	62.60	3162	312	9.90
1/07/2018 22:00	62.50	2492	204	8.20
1/07/2018 23:00	54.10	1832	265	14.50
1/08/2018 0:00	67.30	914	76	8.30
1/08/2018 1:00	58.20	599	66	11.00
1/08/2018 2:00	35.10	918	276	30.10
1/08/2018 3:00	42.10	395	74	18.70
1/08/2018 4:00	48.40	514	76	14.80
1/08/2018 5:00	52.30	1070	158	14.80
1/08/2018 6:00	63.20	2239	152	6.80
1/08/2018 7:00	62.90	4151	254	6.10
1/08/2018 8:00	60.00	4961	499	10.10
1/08/2018 9:00	59.30	4454	394	8.80
1/08/2018 10:00	60.80	4664	280	6.00
1/08/2018 11:00	60.20	5763	399	6.90
1/08/2018 12:00	58.20	6445	666	10.30
1/08/2018 13:00	59.50	6826	548	8.00
1/08/2018 14:00	56.90	8165	507	6.20
1/08/2018 15:00	48.90	8372	278	3.30
1/08/2018 16:00	29.70	7583	118	1.60
1/08/2018 17:00	32.90	7496	410	5.50
1/08/2018 18:00	45.00	6669	298	4.50
1/08/2018 19:00	61.40	4586	147	3.20
1/08/2018 20:00	56.60	3866	421	10.90
1/08/2018 21:00	60.90	3631	268	7.40
1/08/2018 22:00	53.70	2804	372	13.30
1/08/2018 23:00	47.10	2250	450	20.00
1/09/2018 0:00	63.50	938	22	2.30
1/09/2018 1:00	57.10	558	9	1.60
1/09/2018 2:00	66.30	377	7	1.90
1/09/2018 3:00	65.70	321	16	5.00
1/09/2018 4:00	66.30	432	14	3.20
1/09/2018 5:00	64.00	1038	48	4.60
1/09/2018 6:00	64.80	2395	58	2.40
1/09/2018 7:00	60.00	4305	223	5.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/09/2018 8:00	60.60	4447	183	4.10
1/09/2018 9:00	59.40	4101	208	5.10
1/09/2018 10:00	60.90	4436	199	4.50
1/09/2018 11:00	64.40	4811	161	3.30
1/09/2018 12:00	66.50	5518	151	2.70
1/09/2018 13:00	65.40	6248	204	3.30
1/09/2018 14:00	60.00	7606	326	4.30
1/09/2018 15:00	56.50	8134	310	3.80
1/09/2018 16:00	35.60	8008	303	3.80
1/09/2018 17:00	31.60	7391	675	9.10
1/09/2018 18:00	46.30	6815	421	6.20
1/09/2018 19:00	58.00	5034	238	4.70
1/09/2018 20:00	58.00	3766	216	5.70
1/09/2018 21:00	60.50	3280	140	4.30
1/09/2018 22:00	64.80	2454	62	2.50
1/09/2018 23:00	64.00	1653	70	4.20
1/10/2018 0:00	64.60	926	40	4.30
1/10/2018 1:00	66.60	556	11	2.00
1/10/2018 2:00	67.80	389	9	2.30
1/10/2018 3:00	66.00	316	14	4.40
1/10/2018 4:00	66.70	432	24	5.60
1/10/2018 5:00	65.40	949	60	6.30
1/10/2018 6:00	63.80	2349	121	5.20
1/10/2018 7:00	66.40	4636	240	5.20
1/10/2018 8:00	66.90	4970	221	4.40
1/10/2018 9:00	65.70	4501	235	5.20
1/10/2018 10:00	62.00	4778	251	5.30
1/10/2018 11:00	65.70	5846	222	3.80
1/10/2018 12:00	66.00	6266	234	3.70
1/10/2018 13:00	64.50	6904	210	3.00
1/10/2018 14:00	63.30	8368	273	3.30
1/10/2018 15:00	62.00	9374	296	3.20
1/10/2018 16:00	56.40	9535	410	4.30
1/10/2018 17:00	54.40	9044	420	4.60
1/10/2018 18:00	58.80	7288	405	5.60
1/10/2018 19:00	64.60	5665	234	4.10
1/10/2018 20:00	67.00	4882	162	3.30
1/10/2018 21:00	66.50	4346	190	4.40
1/10/2018 22:00	68.20	3179	139	4.40
1/10/2018 23:00	70.60	1982	31	1.60
1/11/2018 0:00	68.20	1140	28	2.50
1/11/2018 1:00	66.20	690	21	3.00
1/11/2018 2:00	68.20	491	8	1.60
1/11/2018 3:00	67.80	328	6	1.80
1/11/2018 4:00	66.50	460	18	3.90
1/11/2018 5:00	66.80	1058	42	4.00
1/11/2018 6:00	67.30	2439	97	4.00
1/11/2018 7:00	67.10	4594	213	4.60
1/11/2018 8:00	65.80	4961	323	6.50
1/11/2018 9:00	64.80	4730	214	4.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/11/2018 10:00	65.90	4935	209	4.20
1/11/2018 11:00	65.40	5722	202	3.50
1/11/2018 12:00	64.50	6654	280	4.20
1/11/2018 13:00	64.00	7506	244	3.30
1/11/2018 14:00	61.80	8728	432	4.90
1/11/2018 15:00	59.90	9124	367	4.00
1/11/2018 16:00	57.20	9063	305	3.40
1/11/2018 17:00	37.20	8312	226	2.70
1/11/2018 18:00	45.30	8077	381	4.70
1/11/2018 19:00	63.30	6299	243	3.90
1/11/2018 20:00	66.80	4927	227	4.60
1/11/2018 21:00	68.00	4262	154	3.60
1/11/2018 22:00	66.70	3038	139	4.60
1/11/2018 23:00	68.20	2116	95	4.50
1/12/2018 0:00	69.10	1281	20	1.60
1/12/2018 1:00	67.90	755	8	1.10
1/12/2018 2:00	67.30	552	16	2.90
1/12/2018 3:00	67.90	358	6	1.70
1/12/2018 4:00	64.50	500	24	4.80
1/12/2018 5:00	68.90	991	31	3.10
1/12/2018 6:00	66.90	2542	123	4.80
1/12/2018 7:00	67.70	4575	230	5.00
1/12/2018 8:00	66.80	5036	224	4.40
1/12/2018 9:00	65.70	4873	238	4.90
1/12/2018 10:00	66.00	5265	250	4.70
1/12/2018 11:00	64.70	6440	247	3.80
1/12/2018 12:00	64.60	7388	299	4.00
1/12/2018 13:00	63.80	8163	333	4.10
1/12/2018 14:00	59.90	9281	424	4.60
1/12/2018 15:00	50.10	9242	283	3.10
1/12/2018 16:00	46.80	8855	326	3.70
1/12/2018 17:00	57.30	8167	424	5.20
1/12/2018 18:00	58.30	7507	412	5.50
1/12/2018 19:00	63.60	6023	199	3.30
1/12/2018 20:00	65.50	5035	236	4.70
1/12/2018 21:00	67.90	4883	195	4.00
1/12/2018 22:00	67.10	4005	171	4.30
1/12/2018 23:00	68.30	2989	106	3.50
1/13/2018 0:00	68.60	1887	66	3.50
1/13/2018 1:00	69.50	1290	20	1.60
1/13/2018 2:00	66.50	1115	33	3.00
1/13/2018 3:00	67.50	618	15	2.40
1/13/2018 4:00	67.10	539	14	2.60
1/13/2018 5:00	68.00	713	18	2.50
1/13/2018 6:00	69.40	1485	36	2.40
1/13/2018 7:00	67.80	2314	69	3.00
1/13/2018 8:00	67.80	3507	117	3.30
1/13/2018 9:00	67.30	4515	195	4.30
1/13/2018 10:00	66.60	5377	215	4.00
1/13/2018 11:00	65.80	6067	220	3.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/13/2018 12:00	66.20	6822	249	3.60
1/13/2018 13:00	65.70	7161	203	2.80
1/13/2018 14:00	65.40	7092	239	3.40
1/13/2018 15:00	64.20	7483	307	4.10
1/13/2018 16:00	64.30	7294	175	2.40
1/13/2018 17:00	62.40	7417	215	2.90
1/13/2018 18:00	63.30	6370	236	3.70
1/13/2018 19:00	65.90	5088	156	3.10
1/13/2018 20:00	65.50	4607	174	3.80
1/13/2018 21:00	69.20	5096	190	3.70
1/13/2018 22:00	68.60	4094	96	2.30
1/13/2018 23:00	69.70	2860	87	3.00
1/14/2018 0:00	70.40	1978	25	1.30
1/14/2018 1:00	67.90	1302	48	3.70
1/14/2018 2:00	67.90	1201	48	4.00
1/14/2018 3:00	69.30	625	11	1.80
1/14/2018 4:00	66.40	454	10	2.20
1/14/2018 5:00	67.00	551	8	1.50
1/14/2018 6:00	68.40	1079	20	1.90
1/14/2018 7:00	66.60	1691	101	6.00
1/14/2018 8:00	67.50	2544	63	2.50
1/14/2018 9:00	68.60	3549	83	2.30
1/14/2018 10:00	67.60	4411	143	3.20
1/14/2018 11:00	65.90	4861	142	2.90
1/14/2018 12:00	64.50	6013	202	3.40
1/14/2018 13:00	65.60	6231	194	3.10
1/14/2018 14:00	65.70	6679	231	3.50
1/14/2018 15:00	65.70	6865	175	2.50
1/14/2018 16:00	65.10	6888	158	2.30
1/14/2018 17:00	62.50	6714	242	3.60
1/14/2018 18:00	62.40	5842	172	2.90
1/14/2018 19:00	64.70	5034	163	3.20
1/14/2018 20:00	66.80	4131	102	2.50
1/14/2018 21:00	65.90	3557	154	4.30
1/14/2018 22:00	68.90	2804	77	2.70
1/14/2018 23:00	67.30	1957	40	2.00
1/15/2018 0:00	67.60	1192	34	2.90
1/15/2018 1:00	68.10	673	7	1.00
1/15/2018 2:00	66.90	543	10	1.80
1/15/2018 3:00	67.70	383	4	1.00
1/15/2018 4:00	65.60	455	19	4.20
1/15/2018 5:00	66.40	905	22	2.40
1/15/2018 6:00	68.20	2003	66	3.30
1/15/2018 7:00	66.20	3189	144	4.50
1/15/2018 8:00	67.00	3877	181	4.70
1/15/2018 9:00	64.00	4318	212	4.90
1/15/2018 10:00	64.50	5135	179	3.50
1/15/2018 11:00	64.10	5978	237	4.00
1/15/2018 12:00	64.00	6789	247	3.60
1/15/2018 13:00	64.50	7354	200	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/15/2018 14:00	63.20	8780	299	3.40
1/15/2018 15:00	62.10	9234	374	4.10
1/15/2018 16:00	62.50	8690	328	3.80
1/15/2018 17:00	59.80	8227	325	4.00
1/15/2018 18:00	62.10	6346	297	4.70
1/15/2018 19:00	66.60	4982	114	2.30
1/15/2018 20:00	66.50	4234	100	2.40
1/15/2018 21:00	65.20	3605	153	4.20
1/15/2018 22:00	65.70	2601	112	4.30
1/15/2018 23:00	65.80	1857	80	4.30
1/16/2018 0:00	67.10	1045	44	4.20
1/16/2018 1:00	66.70	572	17	3.00
1/16/2018 2:00	67.00	441	16	3.60
1/16/2018 3:00	66.80	346	13	3.80
1/16/2018 4:00	67.40	443	7	1.60
1/16/2018 5:00	68.40	1061	31	2.90
1/16/2018 6:00	67.50	2671	118	4.40
1/16/2018 7:00	67.50	4839	234	4.80
1/16/2018 8:00	66.40	5084	203	4.00
1/16/2018 9:00	65.80	4911	203	4.10
1/16/2018 10:00	66.00	5209	190	3.60
1/16/2018 11:00	65.40	6148	222	3.60
1/16/2018 12:00	66.20	6739	224	3.30
1/16/2018 13:00	62.80	7543	352	4.70
1/16/2018 14:00	60.60	9081	402	4.40
1/16/2018 15:00	51.80	9617	321	3.30
1/16/2018 16:00	52.30	9403	478	5.10
1/16/2018 17:00	36.50	8730	253	2.90
1/16/2018 18:00	30.00	7575	270	3.60
1/16/2018 19:00	62.90	5957	225	3.80
1/16/2018 20:00	65.50	4947	237	4.80
1/16/2018 21:00	70.20	4343	131	3.00
1/16/2018 22:00	67.40	3112	88	2.80
1/16/2018 23:00	67.90	2037	56	2.70
1/17/2018 0:00	68.00	1093	28	2.60
1/17/2018 1:00	65.40	626	31	5.00
1/17/2018 2:00	65.50	475	12	2.50
1/17/2018 3:00	67.00	352	6	1.70
1/17/2018 4:00	67.50	479	12	2.50
1/17/2018 5:00	67.70	1100	26	2.40
1/17/2018 6:00	67.60	2503	95	3.80
1/17/2018 7:00	69.70	5033	209	4.20
1/17/2018 8:00	66.60	5404	250	4.60
1/17/2018 9:00	65.90	5196	268	5.20
1/17/2018 10:00	64.60	5443	257	4.70
1/17/2018 11:00	64.70	6096	194	3.20
1/17/2018 12:00	63.20	6871	313	4.60
1/17/2018 13:00	62.90	7906	360	4.60
1/17/2018 14:00	60.30	8949	446	5.00
1/17/2018 15:00	38.60	9050	228	2.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/17/2018 16:00	32.10	8781	187	2.10
1/17/2018 17:00	39.50	8287	262	3.20
1/17/2018 18:00	17.10	5677	83	1.50
1/17/2018 19:00	46.10	7066	337	4.80
1/17/2018 20:00	65.90	5034	162	3.20
1/17/2018 21:00	67.90	4320	204	4.70
1/17/2018 22:00	69.50	3076	91	3.00
1/17/2018 23:00	68.70	1930	32	1.70
1/18/2018 0:00	68.40	1163	27	2.30
1/18/2018 1:00	67.80	707	8	1.10
1/18/2018 2:00	68.20	535	9	1.70
1/18/2018 3:00	67.40	374	9	2.40
1/18/2018 4:00	66.90	486	12	2.50
1/18/2018 5:00	68.20	1061	38	3.60
1/18/2018 6:00	68.00	2589	141	5.40
1/18/2018 7:00	68.80	5249	252	4.80
1/18/2018 8:00	66.90	5417	228	4.20
1/18/2018 9:00	66.40	5003	156	3.10
1/18/2018 10:00	66.70	5446	188	3.50
1/18/2018 11:00	64.50	6035	242	4.00
1/18/2018 12:00	64.60	6857	272	4.00
1/18/2018 13:00	62.10	7990	405	5.10
1/18/2018 14:00	61.70	8571	305	3.60
1/18/2018 15:00	44.00	9112	240	2.60
1/18/2018 16:00	24.10	7786	150	1.90
1/18/2018 17:00	35.00	8723	302	3.50
1/18/2018 18:00	49.70	8318	502	6.00
1/18/2018 19:00	62.40	6511	280	4.30
1/18/2018 20:00	66.50	5348	199	3.70
1/18/2018 21:00	68.90	4442	160	3.60
1/18/2018 22:00	65.90	3252	147	4.50
1/18/2018 23:00	68.00	2089	28	1.30
1/19/2018 0:00	65.80	1226	56	4.60
1/19/2018 1:00	66.90	752	14	1.90
1/19/2018 2:00	67.90	622	13	2.10
1/19/2018 3:00	67.60	393	8	2.00
1/19/2018 4:00	66.90	519	23	4.40
1/19/2018 5:00	66.30	1077	53	4.90
1/19/2018 6:00	64.70	2583	103	4.00
1/19/2018 7:00	67.30	4697	217	4.60
1/19/2018 8:00	66.60	5232	236	4.50
1/19/2018 9:00	65.70	5063	219	4.30
1/19/2018 10:00	65.00	5476	224	4.10
1/19/2018 11:00	63.50	6544	311	4.80
1/19/2018 12:00	64.60	7361	296	4.00
1/19/2018 13:00	64.40	8098	253	3.10
1/19/2018 14:00	61.10	9343	413	4.40
1/19/2018 15:00	59.80	9107	325	3.60
1/19/2018 16:00	30.40	7046	106	1.50
1/19/2018 17:00	38.30	7698	211	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/19/2018 18:00	58.00	7222	304	4.20
1/19/2018 19:00	63.50	5878	217	3.70
1/19/2018 20:00	66.90	4921	191	3.90
1/19/2018 21:00	69.10	4982	139	2.80
1/19/2018 22:00	69.50	4167	108	2.60
1/19/2018 23:00	70.10	2913	74	2.50
1/20/2018 0:00	67.60	1960	73	3.70
1/20/2018 1:00	67.70	1295	42	3.20
1/20/2018 2:00	68.20	1025	17	1.70
1/20/2018 3:00	67.90	602	16	2.70
1/20/2018 4:00	67.30	468	31	6.60
1/20/2018 5:00	66.90	741	29	3.90
1/20/2018 6:00	65.40	1313	46	3.50
1/20/2018 7:00	65.20	2425	120	4.90
1/20/2018 8:00	68.30	3508	95	2.70
1/20/2018 9:00	66.90	4368	142	3.30
1/20/2018 10:00	66.20	5195	145	2.80
1/20/2018 11:00	66.50	5886	165	2.80
1/20/2018 12:00	65.20	7116	218	3.10
1/20/2018 13:00	64.60	7252	277	3.80
1/20/2018 14:00	65.40	7481	268	3.60
1/20/2018 15:00	66.20	7364	170	2.30
1/20/2018 16:00	64.00	7322	224	3.10
1/20/2018 17:00	61.80	6995	255	3.60
1/20/2018 18:00	62.30	5897	224	3.80
1/20/2018 19:00	64.00	4989	224	4.50
1/20/2018 20:00	65.80	4444	151	3.40
1/20/2018 21:00	69.30	4856	135	2.80
1/20/2018 22:00	69.70	4520	165	3.70
1/20/2018 23:00	67.20	2971	159	5.40
1/21/2018 0:00	68.30	2058	40	1.90
1/21/2018 1:00	70.10	1315	29	2.20
1/21/2018 2:00	68.30	1110	29	2.60
1/21/2018 3:00	67.40	590	9	1.50
1/21/2018 4:00	66.30	413	12	2.90
1/21/2018 5:00	68.10	550	8	1.50
1/21/2018 6:00	66.20	999	45	4.50
1/21/2018 7:00	66.30	1579	102	6.50
1/21/2018 8:00	67.00	2488	80	3.20
1/21/2018 9:00	66.60	3481	115	3.30
1/21/2018 10:00	67.00	4388	125	2.80
1/21/2018 11:00	64.40	5288	196	3.70
1/21/2018 12:00	64.60	6175	200	3.20
1/21/2018 13:00	63.30	6162	256	4.20
1/21/2018 14:00	63.00	6560	297	4.50
1/21/2018 15:00	63.70	7042	258	3.70
1/21/2018 16:00	62.20	6493	298	4.60
1/21/2018 17:00	61.50	6261	256	4.10
1/21/2018 18:00	61.10	5452	249	4.60
1/21/2018 19:00	62.70	5124	227	4.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/21/2018 20:00	65.50	3963	156	3.90
1/21/2018 21:00	68.50	3271	99	3.00
1/21/2018 22:00	68.80	2480	52	2.10
1/21/2018 23:00	68.20	1730	47	2.70
1/22/2018 0:00	68.80	1049	14	1.30
1/22/2018 1:00	67.80	547	10	1.80
1/22/2018 2:00	67.80	356	19	5.30
1/22/2018 3:00	67.10	234	20	8.50
1/22/2018 4:00	69.20	348	7	2.00
1/22/2018 5:00	69.40	875	34	3.90
1/22/2018 6:00	70.10	2133	99	4.60
1/22/2018 7:00	71.30	4266	189	4.40
1/22/2018 8:00	68.70	4739	235	5.00
1/22/2018 9:00	66.60	4330	148	3.40
1/22/2018 10:00	63.90	5587	192	3.40
1/22/2018 11:00	63.80	6708	231	3.40
1/22/2018 12:00	61.90	7495	309	4.10
1/22/2018 13:00	62.20	8157	286	3.50
1/22/2018 14:00	60.20	9605	325	3.40
1/22/2018 15:00	45.30	10127	350	3.50
1/22/2018 16:00	23.00	8579	100	1.20
1/22/2018 17:00	33.70	9575	111	1.20
1/22/2018 18:00	56.90	8464	473	5.60
1/22/2018 19:00	67.10	5958	217	3.60
1/22/2018 20:00	65.70	4905	144	2.90
1/22/2018 21:00	69.20	3354	150	4.50
1/22/2018 22:00	68.20	2129	101	4.70
1/22/2018 23:00	67.70	1409	76	5.40
1/23/2018 0:00	71.40	713	10	1.40
1/23/2018 1:00	67.40	407	14	3.40
1/23/2018 2:00	69.00	297	12	4.00
1/23/2018 3:00	70.00	223	7	3.10
1/23/2018 4:00	67.20	342	20	5.80
1/23/2018 5:00	67.70	840	41	4.90
1/23/2018 6:00	65.90	2253	157	7.00
1/23/2018 7:00	68.00	4754	247	5.20
1/23/2018 8:00	66.10	4781	260	5.40
1/23/2018 9:00	66.30	4540	253	5.60
1/23/2018 10:00	68.00	5440	203	3.70
1/23/2018 11:00	65.20	6580	273	4.10
1/23/2018 12:00	65.20	7551	280	3.70
1/23/2018 13:00	62.90	8212	313	3.80
1/23/2018 14:00	61.80	9821	366	3.70
1/23/2018 15:00	38.60	9299	133	1.40
1/23/2018 16:00	28.40	9031	267	3.00
1/23/2018 17:00	27.90	7754	583	7.50
1/23/2018 18:00	43.50	8620	490	5.70
1/23/2018 19:00	41.80	6962	398	5.70
1/23/2018 20:00	65.90	5472	198	3.60
1/23/2018 21:00	70.90	4901	164	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/23/2018 22:00	72.00	3371	101	3.00
1/23/2018 23:00	68.30	2036	53	2.60
1/24/2018 0:00	68.20	1120	51	4.60
1/24/2018 1:00	68.00	649	12	1.80
1/24/2018 2:00	67.00	370	17	4.60
1/24/2018 3:00	69.90	231	4	1.70
1/24/2018 4:00	68.50	349	12	3.40
1/24/2018 5:00	69.00	877	31	3.50
1/24/2018 6:00	66.60	2196	100	4.60
1/24/2018 7:00	67.60	4501	239	5.30
1/24/2018 8:00	68.70	4776	199	4.20
1/24/2018 9:00	66.40	4877	216	4.40
1/24/2018 10:00	65.00	5913	178	3.00
1/24/2018 11:00	63.20	7079	280	4.00
1/24/2018 12:00	61.90	7869	352	4.50
1/24/2018 13:00	61.60	8465	358	4.20
1/24/2018 14:00	60.00	9754	438	4.50
1/24/2018 15:00	56.20	10240	252	2.50
1/24/2018 16:00	50.90	9903	322	3.30
1/24/2018 17:00	46.30	9653	278	2.90
1/24/2018 18:00	53.00	8964	478	5.30
1/24/2018 19:00	60.10	7307	304	4.20
1/24/2018 20:00	64.90	5719	215	3.80
1/24/2018 21:00	67.60	4806	168	3.50
1/24/2018 22:00	67.20	3245	161	5.00
1/24/2018 23:00	68.90	2075	83	4.00
1/25/2018 0:00	69.30	977	28	2.90
1/25/2018 1:00	68.50	474	22	4.60
1/25/2018 2:00	68.50	401	9	2.20
1/25/2018 3:00	69.80	212	11	5.20
1/25/2018 4:00	68.60	361	15	4.20
1/25/2018 5:00	69.40	870	30	3.40
1/25/2018 6:00	67.20	2202	111	5.00
1/25/2018 7:00	66.70	4661	252	5.40
1/25/2018 8:00	67.60	4788	279	5.80
1/25/2018 9:00	65.60	4522	265	5.90
1/25/2018 10:00	68.10	5963	190	3.20
1/25/2018 11:00	64.30	6923	253	3.70
1/25/2018 12:00	64.40	7842	231	2.90
1/25/2018 13:00	63.80	8615	270	3.10
1/25/2018 14:00	62.30	9929	272	2.70
1/25/2018 15:00	48.20	9945	195	2.00
1/25/2018 16:00	52.90	9674	211	2.20
1/25/2018 17:00	57.00	9079	232	2.60
1/25/2018 18:00	55.50	8835	272	3.10
1/25/2018 19:00	61.40	7085	318	4.50
1/25/2018 20:00	67.60	5569	189	3.40
1/25/2018 21:00	67.80	5159	179	3.50
1/25/2018 22:00	71.30	3655	79	2.20
1/25/2018 23:00	69.20	2266	32	1.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/26/2018 0:00	68.90	1281	17	1.30
1/26/2018 1:00	66.20	793	19	2.40
1/26/2018 2:00	68.90	590	18	3.10
1/26/2018 3:00	68.60	371	3	0.80
1/26/2018 4:00	68.30	498	18	3.60
1/26/2018 5:00	67.80	958	56	5.80
1/26/2018 6:00	65.70	2600	152	5.80
1/26/2018 7:00	66.20	4621	267	5.80
1/26/2018 8:00	67.70	4730	213	4.50
1/26/2018 9:00	66.00	4448	258	5.80
1/26/2018 10:00	67.40	4887	200	4.10
1/26/2018 11:00	64.30	6465	327	5.10
1/26/2018 12:00	63.20	8425	252	3.00
1/26/2018 13:00	61.80	9064	387	4.30
1/26/2018 14:00	59.90	9967	479	4.80
1/26/2018 15:00	42.30	9832	204	2.10
1/26/2018 16:00	46.90	9680	249	2.60
1/26/2018 17:00	52.90	9126	279	3.10
1/26/2018 18:00	55.00	8573	447	5.20
1/26/2018 19:00	61.90	7089	288	4.10
1/26/2018 20:00	64.40	5816	228	3.90
1/26/2018 21:00	67.40	5711	203	3.60
1/26/2018 22:00	69.60	4055	109	2.70
1/26/2018 23:00	69.90	2684	105	3.90
1/27/2018 0:00	68.40	1698	62	3.70
1/27/2018 1:00	69.30	1059	38	3.60
1/27/2018 2:00	71.60	825	9	1.10
1/27/2018 3:00	68.70	510	21	4.10
1/27/2018 4:00	70.20	347	8	2.30
1/27/2018 5:00	69.90	506	17	3.40
1/27/2018 6:00	66.90	1219	74	6.10
1/27/2018 7:00	67.60	2083	83	4.00
1/27/2018 8:00	66.90	2995	135	4.50
1/27/2018 9:00	67.10	3916	186	4.70
1/27/2018 10:00	63.40	5539	179	3.20
1/27/2018 11:00	65.20	6955	210	3.00
1/27/2018 12:00	65.30	7980	178	2.20
1/27/2018 13:00	64.10	8074	211	2.60
1/27/2018 14:00	64.60	8203	192	2.30
1/27/2018 15:00	63.30	7874	194	2.50
1/27/2018 16:00	62.60	8583	260	3.00
1/27/2018 17:00	61.70	8229	276	3.40
1/27/2018 18:00	60.70	7415	253	3.40
1/27/2018 19:00	62.80	5820	186	3.20
1/27/2018 20:00	64.90	5183	162	3.10
1/27/2018 21:00	67.30	5399	194	3.60
1/27/2018 22:00	67.30	4477	146	3.30
1/27/2018 23:00	68.20	2701	140	5.20
1/28/2018 0:00	70.60	1701	58	3.40
1/28/2018 1:00	68.20	1292	48	3.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/28/2018 2:00	65.50	1161	44	3.80
1/28/2018 3:00	66.40	616	30	4.90
1/28/2018 4:00	65.50	423	14	3.30
1/28/2018 5:00	68.50	545	5	0.90
1/28/2018 6:00	68.60	1115	18	1.60
1/28/2018 7:00	67.50	1875	50	2.70
1/28/2018 8:00	66.30	2881	71	2.50
1/28/2018 9:00	65.70	4172	190	4.60
1/28/2018 10:00	65.70	5147	132	2.60
1/28/2018 11:00	65.50	5302	164	3.10
1/28/2018 12:00	59.10	6335	555	8.80
1/28/2018 13:00	59.80	6631	520	7.80
1/28/2018 14:00	59.70	7027	557	7.90
1/28/2018 15:00	62.70	6656	295	4.40
1/28/2018 16:00	58.90	7388	612	8.30
1/28/2018 17:00	58.40	7317	478	6.50
1/28/2018 18:00	58.50	6194	336	5.40
1/28/2018 19:00	59.50	5529	359	6.50
1/28/2018 20:00	60.40	4112	293	7.10
1/28/2018 21:00	67.50	3459	241	7.00
1/28/2018 22:00	69.50	2894	226	7.80
1/28/2018 23:00	68.10	1839	180	9.80
1/29/2018 0:00	65.50	923	46	5.00
1/29/2018 1:00	65.50	453	26	5.70
1/29/2018 2:00	51.60	636	141	22.20
1/29/2018 3:00	59.90	731	203	27.80
1/29/2018 4:00	68.40	536	80	14.90
1/29/2018 5:00	65.50	1865	539	28.90
1/29/2018 6:00	70.80	2830	349	12.30
1/29/2018 7:00	70.70	4301	203	4.70
1/29/2018 8:00	68.70	4801	189	3.90
1/29/2018 9:00	68.60	5995	503	8.40
1/29/2018 10:00	60.20	5748	386	6.70
1/29/2018 11:00	63.30	6629	262	4.00
1/29/2018 12:00	63.20	7340	361	4.90
1/29/2018 13:00	63.10	8127	339	4.20
1/29/2018 14:00	59.80	9809	505	5.10
1/29/2018 15:00	51.40	10284	346	3.40
1/29/2018 16:00	55.90	9989	329	3.30
1/29/2018 17:00	36.70	9432	130	1.40
1/29/2018 18:00	53.50	8758	429	4.90
1/29/2018 19:00	65.50	6365	166	2.60
1/29/2018 20:00	66.80	5056	142	2.80
1/29/2018 21:00	70.40	4192	158	3.80
1/29/2018 22:00	70.60	2974	99	3.30
1/29/2018 23:00	66.70	1951	72	3.70
1/30/2018 0:00	68.80	1065	44	4.10
1/30/2018 1:00	67.60	627	31	4.90
1/30/2018 2:00	65.90	468	28	6.00
1/30/2018 3:00	66.60	287	16	5.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/30/2018 4:00	67.00	469	27	5.80
1/30/2018 5:00	67.30	1125	62	5.50
1/30/2018 6:00	65.40	2425	135	5.60
1/30/2018 7:00	68.80	5831	232	4.00
1/30/2018 8:00	65.60	6177	242	3.90
1/30/2018 9:00	66.60	5640	211	3.70
1/30/2018 10:00	65.30	6089	228	3.70
1/30/2018 11:00	64.10	6790	222	3.30
1/30/2018 12:00	64.90	7466	280	3.80
1/30/2018 13:00	63.30	8276	303	3.70
1/30/2018 14:00	59.90	9819	389	4.00
1/30/2018 15:00	47.40	10167	317	3.10
1/30/2018 16:00	36.90	9199	97	1.10
1/30/2018 17:00	44.00	4639	419	9.00
1/30/2018 18:00	38.40	7904	258	3.30
1/30/2018 19:00	58.20	5839	504	8.60
1/30/2018 20:00	61.70	4917	380	7.70
1/30/2018 21:00	67.00	4207	197	4.70
1/30/2018 22:00	60.00	2769	256	9.20
1/30/2018 23:00	59.50	2498	272	10.90
1/31/2018 0:00	44.50	1678	387	23.10
1/31/2018 1:00	30.30	1364	442	32.40
1/31/2018 2:00	45.10	627	73	11.60
1/31/2018 3:00	68.90	355	11	3.10
1/31/2018 4:00	57.20	632	109	17.20
1/31/2018 5:00	60.00	1389	278	20.00
1/31/2018 6:00	53.30	3133	539	17.20
1/31/2018 7:00	59.60	5804	823	14.20
1/31/2018 8:00	59.60	6071	771	12.70
1/31/2018 9:00	58.40	5443	605	11.10
1/31/2018 10:00	60.40	6116	480	7.80
1/31/2018 11:00	64.20	5679	298	5.20
1/31/2018 12:00	63.60	6120	392	6.40
1/31/2018 13:00	63.20	6957	318	4.60
1/31/2018 14:00	61.20	8006	417	5.20
1/31/2018 15:00	39.30	8143	180	2.20
1/31/2018 16:00	44.10	7783	182	2.30
1/31/2018 17:00	33.50	8842	283	3.20
1/31/2018 18:00	33.10	8564	520	6.10
1/31/2018 19:00	58.80	5449	238	4.40
1/31/2018 20:00	64.50	5134	225	4.40
1/31/2018 21:00	67.60	5003	169	3.40
1/31/2018 22:00	66.60	3471	118	3.40
1/31/2018 23:00	67.80	2166	73	3.40
2/01/2018 0:00	66.10	1082	44	4.10
2/01/2018 1:00	67.40	670	10	1.50
2/01/2018 2:00	66.90	562	18	3.20
2/01/2018 3:00	65.80	360	22	6.10
2/01/2018 4:00	65.70	452	19	4.20
2/01/2018 5:00	65.30	1073	54	5.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/01/2018 6:00	62.70	2652	206	7.80
2/01/2018 7:00	67.10	5223	206	3.90
2/01/2018 8:00	65.90	5403	301	5.60
2/01/2018 9:00	65.30	5209	256	4.90
2/01/2018 10:00	66.30	5586	185	3.30
2/01/2018 11:00	62.80	6193	337	5.40
2/01/2018 12:00	63.80	6948	333	4.80
2/01/2018 13:00	63.30	7926	355	4.50
2/01/2018 14:00	61.40	9148	408	4.50
2/01/2018 15:00	40.40	8788	239	2.70
2/01/2018 16:00	25.60	8292	138	1.70
2/01/2018 17:00	31.80	8577	155	1.80
2/01/2018 18:00	49.20	8060	468	5.80
2/01/2018 19:00	61.40	6878	271	3.90
2/01/2018 20:00	65.40	5364	206	3.80
2/01/2018 21:00	68.10	4647	184	4.00
2/01/2018 22:00	68.30	3157	100	3.20
2/01/2018 23:00	67.20	2205	45	2.00
2/02/2018 0:00	69.90	1016	15	1.50
2/02/2018 1:00	67.70	629	35	5.60
2/02/2018 2:00	30.40	1593	573	36.00
2/02/2018 3:00	26.40	1325	468	35.30
2/02/2018 4:00	28.90	1182	428	36.20
2/02/2018 5:00	66.00	1031	26	2.50
2/02/2018 6:00	55.70	2998	430	14.30
2/02/2018 7:00	57.70	5181	647	12.50
2/02/2018 8:00	59.70	5516	624	11.30
2/02/2018 9:00	64.80	5477	657	12.00
2/02/2018 10:00	58.40	6054	672	11.10
2/02/2018 11:00	58.80	6628	633	9.60
2/02/2018 12:00	61.80	7146	458	6.40
2/02/2018 13:00	60.80	8162	517	6.30
2/02/2018 14:00	58.00	9013	836	9.30
2/02/2018 15:00	39.00	9298	535	5.80
2/02/2018 16:00	44.20	8448	414	4.90
2/02/2018 17:00	56.50	8175	462	5.70
2/02/2018 18:00	55.30	7410	452	6.10
2/02/2018 19:00	63.30	5678	236	4.20
2/02/2018 20:00	65.80	4887	198	4.10
2/02/2018 21:00	66.30	4620	218	4.70
2/02/2018 22:00	62.20	4250	359	8.40
2/02/2018 23:00	60.60	3297	363	11.00
2/03/2018 0:00	67.40	1978	127	6.40
2/03/2018 1:00	69.40	1770	376	21.20
2/03/2018 2:00	63.30	1609	382	23.70
2/03/2018 3:00	71.00	604	74	12.30
2/03/2018 4:00	69.90	415	15	3.60
2/03/2018 5:00	39.90	1251	361	28.90
2/03/2018 6:00	61.90	1394	174	12.50
2/03/2018 7:00	67.90	2068	77	3.70



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/03/2018 8:00	66.40	3575	137	3.80
2/03/2018 9:00	64.80	5446	203	3.70
2/03/2018 10:00	65.50	6397	185	2.90
2/03/2018 11:00	64.20	7251	243	3.40
2/03/2018 12:00	63.40	8090	257	3.20
2/03/2018 13:00	63.20	8204	229	2.80
2/03/2018 14:00	62.50	8396	331	3.90
2/03/2018 15:00	63.90	8541	235	2.80
2/03/2018 16:00	62.70	8577	320	3.70
2/03/2018 17:00	61.40	8508	210	2.50
2/03/2018 18:00	57.10	8053	367	4.60
2/03/2018 19:00	62.70	6161	173	2.80
2/03/2018 20:00	63.50	5373	184	3.40
2/03/2018 21:00	65.50	5769	237	4.10
2/03/2018 22:00	66.70	5108	215	4.20
2/03/2018 23:00	68.00	3698	109	2.90
2/04/2018 0:00	67.40	2302	76	3.30
2/04/2018 1:00	67.10	1480	54	3.60
2/04/2018 2:00	66.70	1207	34	2.80
2/04/2018 3:00	67.90	631	7	1.10
2/04/2018 4:00	68.60	457	8	1.80
2/04/2018 5:00	67.00	507	18	3.60
2/04/2018 6:00	67.00	1050	25	2.40
2/04/2018 7:00	66.90	1746	48	2.70
2/04/2018 8:00	67.00	2858	71	2.50
2/04/2018 9:00	65.30	4143	147	3.50
2/04/2018 10:00	65.40	5081	137	2.70
2/04/2018 11:00	64.10	5975	210	3.50
2/04/2018 12:00	63.50	6904	192	2.80
2/04/2018 13:00	63.40	7429	221	3.00
2/04/2018 14:00	63.10	8282	200	2.40
2/04/2018 15:00	64.50	7484	187	2.50
2/04/2018 16:00	65.30	5626	138	2.50
2/04/2018 17:00	63.80	5419	138	2.50
2/04/2018 18:00	61.00	4829	181	3.70
2/04/2018 19:00	61.80	5572	172	3.10
2/04/2018 20:00	61.60	5200	162	3.10
2/04/2018 21:00	69.00	3656	135	3.70
2/04/2018 22:00	70.00	2723	100	3.70
2/04/2018 23:00	68.20	1844	28	1.50
2/05/2018 0:00	67.80	1034	19	1.80
2/05/2018 1:00	68.20	584	5	0.90
2/05/2018 2:00	67.90	408	9	2.20
2/05/2018 3:00	69.80	269	4	1.50
2/05/2018 4:00	70.60	479	22	4.60
2/05/2018 5:00	68.70	1130	56	5.00
2/05/2018 6:00	67.40	2685	73	2.70
2/05/2018 7:00	66.60	5241	282	5.40
2/05/2018 8:00	67.20	5931	181	3.10
2/05/2018 9:00	66.30	5687	224	3.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/05/2018 10:00	65.40	6049	194	3.20
2/05/2018 11:00	63.80	6889	263	3.80
2/05/2018 12:00	64.60	7407	217	2.90
2/05/2018 13:00	62.50	8231	303	3.70
2/05/2018 14:00	61.80	9784	290	3.00
2/05/2018 15:00	40.40	10059	245	2.40
2/05/2018 16:00	38.00	9574	61	0.60
2/05/2018 17:00	30.90	9419	133	1.40
2/05/2018 18:00	46.70	8857	499	5.60
2/05/2018 19:00	62.00	6253	298	4.80
2/05/2018 20:00	64.60	5157	226	4.40
2/05/2018 21:00	67.60	4298	164	3.80
2/05/2018 22:00	67.70	2930	94	3.20
2/05/2018 23:00	69.20	1924	38	2.00
2/06/2018 0:00	67.20	1004	42	4.20
2/06/2018 1:00	66.90	546	23	4.20
2/06/2018 2:00	67.30	421	17	4.00
2/06/2018 3:00	68.30	288	14	4.90
2/06/2018 4:00	67.60	445	30	6.70
2/06/2018 5:00	68.40	1133	58	5.10
2/06/2018 6:00	64.80	2844	127	4.50
2/06/2018 7:00	66.30	5957	259	4.30
2/06/2018 8:00	66.60	6127	228	3.70
2/06/2018 9:00	64.20	5815	281	4.80
2/06/2018 10:00	65.70	6263	229	3.70
2/06/2018 11:00	64.60	6846	226	3.30
2/06/2018 12:00	64.50	7494	304	4.10
2/06/2018 13:00	63.70	8125	279	3.40
2/06/2018 14:00	61.30	9665	377	3.90
2/06/2018 15:00	47.90	9949	193	1.90
2/06/2018 16:00	29.80	9413	107	1.10
2/06/2018 17:00	29.90	9230	27	0.30
2/06/2018 18:00	50.00	8440	401	4.80
2/06/2018 19:00	61.00	7076	312	4.40
2/06/2018 20:00	63.90	5585	223	4.00
2/06/2018 21:00	65.00	5369	254	4.70
2/06/2018 22:00	68.40	3369	109	3.20
2/06/2018 23:00	68.70	2076	54	2.60
2/07/2018 0:00	67.40	1056	23	2.20
2/07/2018 1:00	67.80	574	17	3.00
2/07/2018 2:00	66.60	391	16	4.10
2/07/2018 3:00	67.50	301	8	2.70
2/07/2018 4:00	69.50	441	17	3.90
2/07/2018 5:00	68.90	1134	54	4.80
2/07/2018 6:00	65.80	2909	137	4.70
2/07/2018 7:00	68.50	5564	188	3.40
2/07/2018 8:00	68.60	6198	242	3.90
2/07/2018 9:00	65.10	5867	292	5.00
2/07/2018 10:00	65.30	6047	220	3.60
2/07/2018 11:00	65.70	7013	249	3.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/07/2018 12:00	63.60	7634	418	5.50
2/07/2018 13:00	63.10	8789	400	4.60
2/07/2018 14:00	62.60	9877	300	3.00
2/07/2018 15:00	31.70	9252	89	1.00
2/07/2018 16:00	33.10	9648	280	2.90
2/07/2018 17:00	47.40	9598	327	3.40
2/07/2018 18:00	50.40	9385	462	4.90
2/07/2018 19:00	61.60	7075	296	4.20
2/07/2018 20:00	63.00	6122	228	3.70
2/07/2018 21:00	66.80	5263	232	4.40
2/07/2018 22:00	67.00	3461	100	2.90
2/07/2018 23:00	67.30	2241	68	3.00
2/08/2018 0:00	67.50	1184	32	2.70
2/08/2018 1:00	67.50	666	22	3.30
2/08/2018 2:00	66.90	527	23	4.40
2/08/2018 3:00	67.50	323	6	1.90
2/08/2018 4:00	67.90	484	38	7.90
2/08/2018 5:00	68.40	1180	41	3.50
2/08/2018 6:00	65.50	2449	135	5.50
2/08/2018 7:00	65.70	5519	287	5.20
2/08/2018 8:00	64.40	5837	277	4.70
2/08/2018 9:00	65.30	5540	223	4.00
2/08/2018 10:00	65.10	5758	252	4.40
2/08/2018 11:00	64.50	7008	236	3.40
2/08/2018 12:00	62.90	6759	266	3.90
2/08/2018 13:00	61.40	8090	385	4.80
2/08/2018 14:00	59.20	10156	356	3.50
2/08/2018 15:00	42.10	9646	135	1.40
2/08/2018 16:00	35.40	9592	110	1.10
2/08/2018 17:00	49.30	9827	413	4.20
2/08/2018 18:00	47.60	9309	548	5.90
2/08/2018 19:00	58.50	7412	343	4.60
2/08/2018 20:00	64.20	6016	166	2.80
2/08/2018 21:00	67.60	5144	165	3.20
2/08/2018 22:00	67.60	3542	112	3.20
2/08/2018 23:00	66.70	2335	63	2.70
2/09/2018 0:00	68.00	1359	26	1.90
2/09/2018 1:00	67.30	834	12	1.40
2/09/2018 2:00	68.30	602	15	2.50
2/09/2018 3:00	66.90	364	11	3.00
2/09/2018 4:00	68.00	480	14	2.90
2/09/2018 5:00	66.70	1128	49	4.30
2/09/2018 6:00	67.10	2508	119	4.70
2/09/2018 7:00	67.80	4109	190	4.60
2/09/2018 8:00	67.40	4736	209	4.40
2/09/2018 9:00	67.10	4504	181	4.00
2/09/2018 10:00	65.30	5149	211	4.10
2/09/2018 11:00	65.90	6021	236	3.90
2/09/2018 12:00	64.60	8335	285	3.40
2/09/2018 13:00	62.40	9114	357	3.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/09/2018 14:00	42.50	9369	184	2.00
2/09/2018 15:00	20.30	7949	52	0.70
2/09/2018 16:00	22.10	8023	36	0.40
2/09/2018 17:00	35.90	9247	203	2.20
2/09/2018 18:00	55.70	8701	455	5.20
2/09/2018 19:00	62.80	5736	230	4.00
2/09/2018 20:00	65.00	5137	171	3.30
2/09/2018 21:00	66.40	5918	203	3.40
2/09/2018 22:00	65.20	4237	295	7.00
2/09/2018 23:00	71.30	3527	439	12.40
2/10/2018 0:00	70.00	1738	47	2.70
2/10/2018 1:00	70.40	1651	84	5.10
2/10/2018 2:00	71.70	1751	137	7.80
2/10/2018 3:00	63.90	1214	146	12.00
2/10/2018 4:00	60.90	1113	280	25.20
2/10/2018 5:00	67.60	633	37	5.80
2/10/2018 6:00	68.90	1215	38	3.10
2/10/2018 7:00	65.50	2548	102	4.00
2/10/2018 8:00	67.90	2996	122	4.10
2/10/2018 9:00	66.70	3981	161	4.00
2/10/2018 10:00	67.20	4789	151	3.20
2/10/2018 11:00	67.30	5380	138	2.60
2/10/2018 12:00	65.40	6198	266	4.30
2/10/2018 13:00	66.70	6358	199	3.10
2/10/2018 14:00	65.70	6668	245	3.70
2/10/2018 15:00	62.90	7308	392	5.40
2/10/2018 16:00	62.70	8335	332	4.00
2/10/2018 17:00	62.70	6705	287	4.30
2/10/2018 18:00	57.50	5970	534	8.90
2/10/2018 19:00	62.00	5744	254	4.40
2/10/2018 20:00	64.00	5212	192	3.70
2/10/2018 21:00	68.80	5244	136	2.60
2/10/2018 22:00	67.70	4608	143	3.10
2/10/2018 23:00	65.50	3728	197	5.30
2/11/2018 0:00	69.00	2198	66	3.00
2/11/2018 1:00	67.80	1490	31	2.10
2/11/2018 2:00	62.70	1499	13	0.90
2/11/2018 3:00	62.20	924	14	1.50
2/11/2018 4:00	62.10	812	16	2.00
2/11/2018 5:00	65.40	633	21	3.30
2/11/2018 6:00	66.80	1087	42	3.90
2/11/2018 7:00	65.80	1673	84	5.00
2/11/2018 8:00	66.20	2729	89	3.30
2/11/2018 9:00	65.50	3705	169	4.60
2/11/2018 10:00	65.60	4891	145	3.00
2/11/2018 11:00	64.60	5493	188	3.40
2/11/2018 12:00	65.30	6556	181	2.80
2/11/2018 13:00	64.10	6804	243	3.60
2/11/2018 14:00	64.10	6974	229	3.30
2/11/2018 15:00	64.80	7359	203	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/11/2018 16:00	63.50	6987	231	3.30
2/11/2018 17:00	61.60	6843	270	3.90
2/11/2018 18:00	61.30	6222	169	2.70
2/11/2018 19:00	62.30	5235	270	5.20
2/11/2018 20:00	63.40	4199	209	5.00
2/11/2018 21:00	68.60	3456	128	3.70
2/11/2018 22:00	67.10	2663	119	4.50
2/11/2018 23:00	65.90	1821	78	4.30
2/12/2018 0:00	67.30	1131	28	2.50
2/12/2018 1:00	68.70	624	4	0.60
2/12/2018 2:00	67.70	367	7	1.90
2/12/2018 3:00	67.10	282	15	5.30
2/12/2018 4:00	67.20	483	25	5.20
2/12/2018 5:00	66.40	1126	46	4.10
2/12/2018 6:00	66.30	2763	85	3.10
2/12/2018 7:00	66.90	5084	211	4.20
2/12/2018 8:00	65.40	5836	244	4.20
2/12/2018 9:00	65.30	5546	242	4.40
2/12/2018 10:00	64.50	5875	185	3.10
2/12/2018 11:00	62.70	6833	228	3.30
2/12/2018 12:00	63.20	7337	221	3.00
2/12/2018 13:00	62.50	8077	247	3.10
2/12/2018 14:00	61.30	9523	286	3.00
2/12/2018 15:00	56.10	10349	235	2.30
2/12/2018 16:00	44.00	9760	185	1.90
2/12/2018 17:00	47.40	9865	370	3.80
2/12/2018 18:00	56.60	8152	482	5.90
2/12/2018 19:00	63.60	6193	232	3.70
2/12/2018 20:00	64.70	5114	178	3.50
2/12/2018 21:00	67.30	4526	154	3.40
2/12/2018 22:00	67.70	2968	77	2.60
2/12/2018 23:00	66.00	1917	48	2.50
2/13/2018 0:00	68.80	1027	21	2.00
2/13/2018 1:00	67.40	598	11	1.80
2/13/2018 2:00	68.60	381	8	2.10
2/13/2018 3:00	67.30	322	12	3.70
2/13/2018 4:00	65.50	456	21	4.60
2/13/2018 5:00	67.60	1185	39	3.30
2/13/2018 6:00	64.10	3129	205	6.60
2/13/2018 7:00	67.30	5930	285	4.80
2/13/2018 8:00	65.60	6167	287	4.70
2/13/2018 9:00	65.20	4839	243	5.00
2/13/2018 10:00	64.50	6193	217	3.50
2/13/2018 11:00	63.20	6849	264	3.90
2/13/2018 12:00	64.00	7633	273	3.60
2/13/2018 13:00	63.00	8396	317	3.80
2/13/2018 14:00	61.10	10127	449	4.40
2/13/2018 15:00	34.50	9396	118	1.30
2/13/2018 16:00	30.20	9552	47	0.50
2/13/2018 17:00	38.90	9674	326	3.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/13/2018 18:00	52.30	9151	490	5.40
2/13/2018 19:00	61.60	7280	363	5.00
2/13/2018 20:00	64.70	5938	258	4.30
2/13/2018 21:00	65.90	5151	267	5.20
2/13/2018 22:00	68.20	3458	109	3.20
2/13/2018 23:00	68.80	2263	62	2.70
2/14/2018 0:00	67.70	1162	43	3.70
2/14/2018 1:00	68.20	647	10	1.50
2/14/2018 2:00	68.40	468	5	1.10
2/14/2018 3:00	68.20	302	6	2.00
2/14/2018 4:00	67.30	445	19	4.30
2/14/2018 5:00	67.30	1137	42	3.70
2/14/2018 6:00	65.90	2858	155	5.40
2/14/2018 7:00	66.90	5413	173	3.20
2/14/2018 8:00	66.00	6377	292	4.60
2/14/2018 9:00	66.40	6043	198	3.30
2/14/2018 10:00	65.30	6236	252	4.00
2/14/2018 11:00	64.80	7389	275	3.70
2/14/2018 12:00	64.30	7965	321	4.00
2/14/2018 13:00	61.90	9180	349	3.80
2/14/2018 14:00	60.70	10093	383	3.80
2/14/2018 15:00	40.80	9611	99	1.00
2/14/2018 16:00	28.70	8573	22	0.30
2/14/2018 17:00	37.30	9063	133	1.50
2/14/2018 18:00	47.70	9285	431	4.60
2/14/2018 19:00	58.20	7657	347	4.50
2/14/2018 20:00	64.70	5694	252	4.40
2/14/2018 21:00	69.10	5509	185	3.40
2/14/2018 22:00	67.70	3935	160	4.10
2/14/2018 23:00	67.70	2602	135	5.20
2/15/2018 0:00	68.00	1496	52	3.50
2/15/2018 1:00	68.10	796	14	1.80
2/15/2018 2:00	67.10	536	13	2.40
2/15/2018 3:00	68.70	304	8	2.60
2/15/2018 4:00	67.80	521	18	3.50
2/15/2018 5:00	66.90	1206	74	6.10
2/15/2018 6:00	65.60	2837	146	5.10
2/15/2018 7:00	66.10	5865	270	4.60
2/15/2018 8:00	65.60	6112	265	4.30
2/15/2018 9:00	64.80	5927	241	4.10
2/15/2018 10:00	63.90	6360	269	4.20
2/15/2018 11:00	62.80	7067	236	3.30
2/15/2018 12:00	61.00	7708	283	3.70
2/15/2018 13:00	61.20	8869	334	3.80
2/15/2018 14:00	58.60	9997	439	4.40
2/15/2018 15:00	38.50	9793	192	2.00
2/15/2018 16:00	32.20	9717	154	1.60
2/15/2018 17:00	41.70	9780	349	3.60
2/15/2018 18:00	43.20	9270	643	6.90
2/15/2018 19:00	57.70	7341	327	4.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/15/2018 20:00	63.70	6025	263	4.40
2/15/2018 21:00	66.40	5462	200	3.70
2/15/2018 22:00	67.70	4109	96	2.30
2/15/2018 23:00	65.40	3043	137	4.50
2/16/2018 0:00	65.90	1688	86	5.10
2/16/2018 1:00	66.20	1141	32	2.80
2/16/2018 2:00	67.80	633	17	2.70
2/16/2018 3:00	67.20	387	17	4.40
2/16/2018 4:00	68.90	537	13	2.40
2/16/2018 5:00	67.60	1145	43	3.80
2/16/2018 6:00	65.40	2664	101	3.80
2/16/2018 7:00	68.40	4880	205	4.20
2/16/2018 8:00	68.50	5407	256	4.70
2/16/2018 9:00	66.90	5843	244	4.20
2/16/2018 10:00	65.20	6405	249	3.90
2/16/2018 11:00	64.50	7515	252	3.40
2/16/2018 12:00	62.30	8530	343	4.00
2/16/2018 13:00	61.60	9223	329	3.60
2/16/2018 14:00	56.50	10063	340	3.40
2/16/2018 15:00	34.30	9724	162	1.70
2/16/2018 16:00	55.70	9762	425	4.40
2/16/2018 17:00	59.00	9231	332	3.60
2/16/2018 18:00	56.80	8371	418	5.00
2/16/2018 19:00	62.20	6967	321	4.60
2/16/2018 20:00	63.90	5929	226	3.80
2/16/2018 21:00	67.70	6181	205	3.30
2/16/2018 22:00	66.70	4927	176	3.60
2/16/2018 23:00	70.20	3614	117	3.20
2/17/2018 0:00	69.50	2341	68	2.90
2/17/2018 1:00	69.20	1510	62	4.10
2/17/2018 2:00	68.90	1096	38	3.50
2/17/2018 3:00	68.10	620	21	3.40
2/17/2018 4:00	70.10	415	14	3.40
2/17/2018 5:00	67.40	617	45	7.30
2/17/2018 6:00	67.30	1259	69	5.50
2/17/2018 7:00	68.00	2113	102	4.80
2/17/2018 8:00	68.30	2992	152	5.10
2/17/2018 9:00	67.80	4033	121	3.00
2/17/2018 10:00	67.00	5748	159	2.80
2/17/2018 11:00	65.20	7149	249	3.50
2/17/2018 12:00	64.70	8426	288	3.40
2/17/2018 13:00	65.90	7827	189	2.40
2/17/2018 14:00	64.80	8286	240	2.90
2/17/2018 15:00	64.20	8340	226	2.70
2/17/2018 16:00	64.00	8325	249	3.00
2/17/2018 17:00	62.50	8153	259	3.20
2/17/2018 18:00	60.40	7349	276	3.80
2/17/2018 19:00	63.10	6436	258	4.00
2/17/2018 20:00	63.10	5602	231	4.10
2/17/2018 21:00	68.10	5523	173	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/17/2018 22:00	67.80	4973	212	4.30
2/17/2018 23:00	67.30	3575	132	3.70
2/18/2018 0:00	67.60	2377	75	3.20
2/18/2018 1:00	68.60	1621	25	1.50
2/18/2018 2:00	66.80	1201	48	4.00
2/18/2018 3:00	68.70	663	15	2.30
2/18/2018 4:00	70.40	317	6	1.90
2/18/2018 5:00	68.30	396	16	4.00
2/18/2018 6:00	70.60	869	21	2.40
2/18/2018 7:00	67.80	1438	80	5.60
2/18/2018 8:00	68.20	2146	54	2.50
2/18/2018 9:00	67.90	3226	106	3.30
2/18/2018 10:00	66.80	3961	106	2.70
2/18/2018 11:00	66.10	4645	152	3.30
2/18/2018 12:00	65.20	5466	213	3.90
2/18/2018 13:00	54.10	7552	1041	13.80
2/18/2018 14:00	61.80	6530	324	5.00
2/18/2018 15:00	64.60	6273	213	3.40
2/18/2018 16:00	64.20	6459	181	2.80
2/18/2018 17:00	59.20	6388	447	7.00
2/18/2018 18:00	56.20	6942	660	9.50
2/18/2018 19:00	61.60	5096	244	4.80
2/18/2018 20:00	65.60	3795	117	3.10
2/18/2018 21:00	58.50	3981	520	13.10
2/18/2018 22:00	56.50	3206	425	13.30
2/18/2018 23:00	59.60	2376	234	9.80
2/19/2018 0:00	66.40	1453	50	3.40
2/19/2018 1:00	65.90	859	41	4.80
2/19/2018 2:00	67.00	589	5	0.80
2/19/2018 3:00	67.80	440	8	1.80
2/19/2018 4:00	67.40	741	21	2.80
2/19/2018 5:00	66.80	950	27	2.80
2/19/2018 6:00	68.60	1927	70	3.60
2/19/2018 7:00	69.50	3377	100	3.00
2/19/2018 8:00	66.70	4297	188	4.40
2/19/2018 9:00	65.30	4853	243	5.00
2/19/2018 10:00	65.30	5445	167	3.10
2/19/2018 11:00	65.30	6063	136	2.20
2/19/2018 12:00	65.20	6727	206	3.10
2/19/2018 13:00	64.40	7319	282	3.90
2/19/2018 14:00	63.80	8119	286	3.50
2/19/2018 15:00	62.30	8396	307	3.70
2/19/2018 16:00	64.60	7475	275	3.70
2/19/2018 17:00	63.70	7184	259	3.60
2/19/2018 18:00	63.00	6282	255	4.10
2/19/2018 19:00	65.10	4772	208	4.40
2/19/2018 20:00	65.90	4080	127	3.10
2/19/2018 21:00	68.40	3654	111	3.00
2/19/2018 22:00	70.40	2700	90	3.30
2/19/2018 23:00	66.80	1874	84	4.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/20/2018 0:00	68.90	997	23	2.30
2/20/2018 1:00	66.40	524	21	4.00
2/20/2018 2:00	67.30	408	13	3.20
2/20/2018 3:00	66.30	325	13	4.00
2/20/2018 4:00	67.70	446	13	2.90
2/20/2018 5:00	68.90	1037	28	2.70
2/20/2018 6:00	66.30	2608	156	6.00
2/20/2018 7:00	68.10	5293	159	3.00
2/20/2018 8:00	66.70	5429	281	5.20
2/20/2018 9:00	65.10	5267	264	5.00
2/20/2018 10:00	64.40	5602	279	5.00
2/20/2018 11:00	63.70	6079	290	4.80
2/20/2018 12:00	65.10	6879	238	3.50
2/20/2018 13:00	63.80	7401	263	3.60
2/20/2018 14:00	61.70	8909	477	5.40
2/20/2018 15:00	36.40	9025	177	2.00
2/20/2018 16:00	31.90	8807	327	3.70
2/20/2018 17:00	30.00	8671	315	3.60
2/20/2018 18:00	35.10	8221	471	5.70
2/20/2018 19:00	62.00	6035	351	5.80
2/20/2018 20:00	64.90	4911	217	4.40
2/20/2018 21:00	66.90	4406	175	4.00
2/20/2018 22:00	66.40	2903	153	5.30
2/20/2018 23:00	67.20	1828	66	3.60
2/21/2018 0:00	66.80	1020	42	4.10
2/21/2018 1:00	64.50	662	34	5.10
2/21/2018 2:00	66.70	474	9	1.90
2/21/2018 3:00	66.40	303	4	1.30
2/21/2018 4:00	65.60	494	23	4.70
2/21/2018 5:00	65.10	1114	69	6.20
2/21/2018 6:00	65.80	2699	177	6.60
2/21/2018 7:00	66.20	5232	286	5.50
2/21/2018 8:00	65.90	5600	364	6.50
2/21/2018 9:00	64.90	5255	272	5.20
2/21/2018 10:00	62.40	5442	332	6.10
2/21/2018 11:00	56.00	6372	361	5.70
2/21/2018 12:00	60.20	6781	468	6.90
2/21/2018 13:00	62.10	7506	470	6.30
2/21/2018 14:00	60.80	9031	359	4.00
2/21/2018 15:00	45.50	8911	348	3.90
2/21/2018 16:00	29.90	8527	227	2.70
2/21/2018 17:00	31.40	8758	305	3.50
2/21/2018 18:00	43.10	8548	592	6.90
2/21/2018 19:00	62.70	6168	229	3.70
2/21/2018 20:00	63.60	5110	272	5.30
2/21/2018 21:00	68.60	4403	223	5.10
2/21/2018 22:00	68.10	2749	140	5.10
2/21/2018 23:00	67.60	2056	84	4.10
2/22/2018 0:00	68.60	1209	35	2.90
2/22/2018 1:00	67.10	711	31	4.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/22/2018 2:00	68.40	337	23	6.80
2/22/2018 3:00	66.00	245	16	6.50
2/22/2018 4:00	67.90	365	18	4.90
2/22/2018 5:00	68.90	893	48	5.40
2/22/2018 6:00	65.70	2262	115	5.10
2/22/2018 7:00	63.00	4595	288	6.30
2/22/2018 8:00	65.40	4747	230	4.80
2/22/2018 9:00	63.70	4902	261	5.30
2/22/2018 10:00	63.70	6161	285	4.60
2/22/2018 11:00	62.30	6840	287	4.20
2/22/2018 12:00	62.10	7759	340	4.40
2/22/2018 13:00	54.90	8560	463	5.40
2/22/2018 14:00	32.80	8965	172	1.90
2/22/2018 15:00	42.40	9272	207	2.20
2/22/2018 16:00	55.40	9320	271	2.90
2/22/2018 17:00	55.00	9963	394	4.00
2/22/2018 18:00	51.20	8955	533	6.00
2/22/2018 19:00	54.60	6865	356	5.20
2/22/2018 20:00	62.10	5821	254	4.40
2/22/2018 21:00	66.50	5134	217	4.20
2/22/2018 22:00	69.60	2907	97	3.30
2/22/2018 23:00	68.70	1768	77	4.40
2/23/2018 0:00	69.30	1157	39	3.40
2/23/2018 1:00	67.80	634	30	4.70
2/23/2018 2:00	69.50	403	7	1.70
2/23/2018 3:00	67.90	266	11	4.10
2/23/2018 4:00	68.00	372	30	8.10
2/23/2018 5:00	69.00	845	35	4.10
2/23/2018 6:00	67.20	2165	107	4.90
2/23/2018 7:00	67.50	4230	187	4.40
2/23/2018 8:00	66.20	4629	216	4.70
2/23/2018 9:00	65.80	4625	258	5.60
2/23/2018 10:00	64.90	5007	188	3.80
2/23/2018 11:00	65.60	5789	202	3.50
2/23/2018 12:00	64.30	6575	267	4.10
2/23/2018 13:00	62.50	7447	346	4.60
2/23/2018 14:00	60.60	8194	398	4.90
2/23/2018 15:00	48.20	8076	203	2.50
2/23/2018 16:00	58.20	8153	306	3.80
2/23/2018 17:00	33.80	8011	181	2.30
2/23/2018 18:00	55.10	6862	370	5.40
2/23/2018 19:00	62.20	5451	304	5.60
2/23/2018 20:00	65.10	4629	228	4.90
2/23/2018 21:00	68.70	4617	223	4.80
2/23/2018 22:00	69.70	3682	132	3.60
2/23/2018 23:00	69.70	2583	109	4.20
2/24/2018 0:00	68.70	2182	73	3.30
2/24/2018 1:00	68.00	1347	33	2.40
2/24/2018 2:00	67.00	1065	38	3.60
2/24/2018 3:00	65.70	618	31	5.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/24/2018 4:00	67.90	470	4	0.90
2/24/2018 5:00	68.20	744	29	3.90
2/24/2018 6:00	68.00	1440	56	3.90
2/24/2018 7:00	67.30	2659	124	4.70
2/24/2018 8:00	67.90	3055	124	4.10
2/24/2018 9:00	66.70	4043	160	4.00
2/24/2018 10:00	65.10	5710	161	2.80
2/24/2018 11:00	65.00	7027	204	2.90
2/24/2018 12:00	64.40	7784	282	3.60
2/24/2018 13:00	65.40	7469	313	4.20
2/24/2018 14:00	64.70	7737	266	3.40
2/24/2018 15:00	64.50	7918	285	3.60
2/24/2018 16:00	62.80	7797	347	4.50
2/24/2018 17:00	63.30	7447	287	3.90
2/24/2018 18:00	61.60	6632	316	4.80
2/24/2018 19:00	63.50	5559	307	5.50
2/24/2018 20:00	65.10	4757	173	3.60
2/24/2018 21:00	68.90	4939	199	4.00
2/24/2018 22:00	70.70	4187	153	3.70
2/24/2018 23:00	68.40	3150	114	3.60
2/25/2018 0:00	52.20	2418	432	17.90
2/25/2018 1:00	51.90	1631	242	14.80
2/25/2018 2:00	68.00	879	48	5.50
2/25/2018 3:00	64.80	524	44	8.40
2/25/2018 4:00	69.50	359	11	3.10
2/25/2018 5:00	69.60	478	18	3.80
2/25/2018 6:00	68.80	821	25	3.00
2/25/2018 7:00	69.60	1504	75	5.00
2/25/2018 8:00	69.00	2217	79	3.60
2/25/2018 9:00	66.40	3345	122	3.60
2/25/2018 10:00	67.60	4113	140	3.40
2/25/2018 11:00	65.40	4849	219	4.50
2/25/2018 12:00	66.20	6032	145	2.40
2/25/2018 13:00	66.20	6154	134	2.20
2/25/2018 14:00	65.50	6397	219	3.40
2/25/2018 15:00	65.10	6495	167	2.60
2/25/2018 16:00	65.60	6255	196	3.10
2/25/2018 17:00	63.70	5958	193	3.20
2/25/2018 18:00	64.20	5592	189	3.40
2/25/2018 19:00	63.60	4428	170	3.80
2/25/2018 20:00	65.10	3580	164	4.60
2/25/2018 21:00	69.90	3108	144	4.60
2/25/2018 22:00	69.40	2328	100	4.30
2/25/2018 23:00	69.00	1498	58	3.90
2/26/2018 0:00	68.00	1078	26	2.40
2/26/2018 1:00	66.00	625	18	2.90
2/26/2018 2:00	66.80	433	14	3.20
2/26/2018 3:00	67.00	335	8	2.40
2/26/2018 4:00	66.20	477	21	4.40
2/26/2018 5:00	66.90	1112	34	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/26/2018 6:00	65.20	2546	137	5.40
2/26/2018 7:00	66.40	4979	222	4.50
2/26/2018 8:00	66.30	5461	262	4.80
2/26/2018 9:00	62.70	5089	328	6.40
2/26/2018 10:00	63.90	5303	245	4.60
2/26/2018 11:00	64.20	6166	272	4.40
2/26/2018 12:00	64.30	6797	343	5.00
2/26/2018 13:00	62.60	7509	423	5.60
2/26/2018 14:00	60.70	8777	406	4.60
2/26/2018 15:00	44.60	9191	300	3.30
2/26/2018 16:00	33.90	8991	276	3.10
2/26/2018 17:00	32.30	8987	404	4.50
2/26/2018 18:00	46.50	8112	498	6.10
2/26/2018 19:00	59.90	5511	282	5.10
2/26/2018 20:00	38.60	4600	255	5.50
2/26/2018 21:00	66.80	4004	201	5.00
2/26/2018 22:00	68.80	2966	112	3.80
2/26/2018 23:00	67.60	1920	57	3.00
2/27/2018 0:00	67.40	1132	27	2.40
2/27/2018 1:00	66.80	585	22	3.80
2/27/2018 2:00	66.50	397	1	0.30
2/27/2018 3:00	67.70	270	7	2.60
2/27/2018 4:00	62.40	456	40	8.80
2/27/2018 5:00	62.50	876	80	9.10
2/27/2018 6:00	62.10	2181	191	8.80
2/27/2018 7:00	64.10	4531	320	7.10
2/27/2018 8:00	65.90	4646	269	5.80
2/27/2018 9:00	64.50	5599	248	4.40
2/27/2018 10:00	64.20	5930	297	5.00
2/27/2018 11:00	64.00	6530	274	4.20
2/27/2018 12:00	63.90	7210	251	3.50
2/27/2018 13:00	64.30	8021	314	3.90
2/27/2018 14:00	63.60	8569	382	4.50
2/27/2018 15:00	58.70	8408	354	4.20
2/27/2018 16:00	44.00	8122	296	3.60
2/27/2018 17:00	51.50	9632	459	4.80
2/27/2018 18:00	61.10	6738	362	5.40
2/27/2018 19:00	56.00	6257	640	10.20
2/27/2018 20:00	62.20	4811	342	7.10
2/27/2018 21:00	66.20	4243	319	7.50
2/27/2018 22:00	63.80	2897	208	7.20
2/27/2018 23:00	65.60	1805	131	7.30
2/28/2018 0:00	69.10	894	31	3.50
2/28/2018 1:00	54.50	579	80	13.80
2/28/2018 2:00	59.80	550	44	8.00
2/28/2018 3:00	67.00	313	12	3.80
2/28/2018 4:00	58.50	453	44	9.70
2/28/2018 5:00	46.40	1711	425	24.80
2/28/2018 6:00	52.60	3368	621	18.40
2/28/2018 7:00	66.40	4660	302	6.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/28/2018 8:00	67.30	4998	224	4.50
2/28/2018 9:00	63.70	4534	272	6.00
2/28/2018 10:00	63.80	4900	222	4.50
2/28/2018 11:00	63.90	5608	291	5.20
2/28/2018 12:00	63.60	6343	254	4.00
2/28/2018 13:00	62.40	7145	389	5.40
2/28/2018 14:00	61.30	8104	371	4.60
2/28/2018 15:00	45.60	8378	221	2.60
2/28/2018 16:00	32.00	7964	195	2.40
2/28/2018 17:00	31.70	7939	285	3.60
2/28/2018 18:00	55.10	7265	386	5.30
2/28/2018 19:00	61.20	5857	350	6.00
2/28/2018 20:00	63.40	4809	270	5.60
2/28/2018 21:00	69.10	4483	193	4.30
2/28/2018 22:00	67.60	3497	160	4.60
2/28/2018 23:00	68.00	2316	93	4.00
3/01/2018 0:00	68.20	1207	36	3.00
3/01/2018 1:00	68.70	750	6	0.80
3/01/2018 2:00	67.10	539	6	1.10
3/01/2018 3:00	66.60	356	9	2.50
3/01/2018 4:00	65.60	513	28	5.50
3/01/2018 5:00	66.70	1148	51	4.40
3/01/2018 6:00	65.50	2657	150	5.60
3/01/2018 7:00	65.90	5362	310	5.80
3/01/2018 8:00	65.20	5519	289	5.20
3/01/2018 9:00	63.90	5358	303	5.70
3/01/2018 10:00	64.90	5662	223	3.90
3/01/2018 11:00	64.00	5869	281	4.80
3/01/2018 12:00	63.30	7064	253	3.60
3/01/2018 13:00	62.50	8102	294	3.60
3/01/2018 14:00	61.10	9156	364	4.00
3/01/2018 15:00	55.40	9308	424	4.60
3/01/2018 16:00	40.90	9033	354	3.90
3/01/2018 17:00	37.40	8836	344	3.90
3/01/2018 18:00	54.20	8197	444	5.40
3/01/2018 19:00	60.90	6857	281	4.10
3/01/2018 20:00	65.10	5739	184	3.20
3/01/2018 21:00	67.30	4845	226	4.70
3/01/2018 22:00	67.60	3659	134	3.70
3/01/2018 23:00	68.10	2216	74	3.30
3/02/2018 0:00	68.60	1367	31	2.30
3/02/2018 1:00	67.10	828	12	1.40
3/02/2018 2:00	67.90	587	8	1.40
3/02/2018 3:00	65.30	411	21	5.10
3/02/2018 4:00	67.50	530	11	2.10
3/02/2018 5:00	66.90	1102	69	6.30
3/02/2018 6:00	64.40	2609	190	7.30
3/02/2018 7:00	68.50	4840	184	3.80
3/02/2018 8:00	67.30	5294	287	5.40
3/02/2018 9:00	65.00	5205	282	5.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/02/2018 10:00	66.10	5796	269	4.60
3/02/2018 11:00	65.20	6470	263	4.10
3/02/2018 12:00	66.10	7380	257	3.50
3/02/2018 13:00	63.10	8570	337	3.90
3/02/2018 14:00	55.70	8844	473	5.30
3/02/2018 15:00	41.80	9333	384	4.10
3/02/2018 16:00	49.20	8537	377	4.40
3/02/2018 17:00	26.20	7681	312	4.10
3/02/2018 18:00	55.10	8004	492	6.10
3/02/2018 19:00	61.00	6572	272	4.10
3/02/2018 20:00	64.70	5459	235	4.30
3/02/2018 21:00	68.30	5406	171	3.20
3/02/2018 22:00	65.80	4770	122	2.60
3/02/2018 23:00	68.00	3227	95	2.90
3/03/2018 0:00	67.20	2330	87	3.70
3/03/2018 1:00	65.60	1521	25	1.60
3/03/2018 2:00	66.10	1215	20	1.60
3/03/2018 3:00	68.20	575	22	3.80
3/03/2018 4:00	68.50	486	21	4.30
3/03/2018 5:00	67.40	698	20	2.90
3/03/2018 6:00	69.90	1269	19	1.50
3/03/2018 7:00	68.30	2618	97	3.70
3/03/2018 8:00	66.70	3658	148	4.00
3/03/2018 9:00	57.80	4986	148	3.00
3/03/2018 10:00	62.70	6017	188	3.10
3/03/2018 11:00	65.90	6755	233	3.40
3/03/2018 12:00	67.20	7423	146	2.00
3/03/2018 13:00	68.20	7634	190	2.50
3/03/2018 14:00	63.80	7289	450	6.20
3/03/2018 15:00	60.90	7411	516	7.00
3/03/2018 16:00	64.70	8003	190	2.40
3/03/2018 17:00	61.90	8182	368	4.50
3/03/2018 18:00	60.30	7334	351	4.80
3/03/2018 19:00	64.00	5585	183	3.30
3/03/2018 20:00	66.00	4978	109	2.20
3/03/2018 21:00	65.80	5391	226	4.20
3/03/2018 22:00	67.60	4459	117	2.60
3/03/2018 23:00	68.70	3408	75	2.20
3/04/2018 0:00	67.20	2415	61	2.50
3/04/2018 1:00	65.30	1502	46	3.10
3/04/2018 2:00	65.10	1234	50	4.10
3/04/2018 3:00	66.60	615	24	3.90
3/04/2018 4:00	68.80	466	5	1.10
3/04/2018 5:00	67.00	596	27	4.50
3/04/2018 6:00	69.10	1101	35	3.20
3/04/2018 7:00	67.80	1926	91	4.70
3/04/2018 8:00	67.00	2805	92	3.30
3/04/2018 9:00	64.80	4246	145	3.40
3/04/2018 10:00	65.70	5454	217	4.00
3/04/2018 11:00	65.60	6301	240	3.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/04/2018 12:00	67.20	7313	188	2.60
3/04/2018 13:00	68.10	7415	218	2.90
3/04/2018 14:00	66.70	7702	238	3.10
3/04/2018 15:00	67.30	7863	218	2.80
3/04/2018 16:00	67.50	7451	215	2.90
3/04/2018 17:00	66.30	7562	184	2.40
3/04/2018 18:00	65.40	6505	250	3.80
3/04/2018 19:00	63.30	5553	224	4.00
3/04/2018 20:00	63.90	4472	190	4.20
3/04/2018 21:00	68.20	4138	191	4.60
3/04/2018 22:00	70.00	3105	125	4.00
3/04/2018 23:00	69.40	1776	57	3.20
3/05/2018 0:00	70.10	951	16	1.70
3/05/2018 1:00	68.90	448	19	4.20
3/05/2018 2:00	66.90	361	17	4.70
3/05/2018 3:00	70.40	239	2	0.80
3/05/2018 4:00	68.50	416	25	6.00
3/05/2018 5:00	68.10	926	52	5.60
3/05/2018 6:00	66.90	2177	104	4.80
3/05/2018 7:00	68.30	4391	196	4.50
3/05/2018 8:00	66.80	4804	195	4.10
3/05/2018 9:00	63.00	5716	274	4.80
3/05/2018 10:00	65.10	5977	202	3.40
3/05/2018 11:00	65.20	6828	206	3.00
3/05/2018 12:00	64.00	7427	332	4.50
3/05/2018 13:00	63.60	8156	251	3.10
3/05/2018 14:00	61.30	9816	308	3.10
3/05/2018 15:00	57.00	10455	416	4.00
3/05/2018 16:00	23.10	7762	88	1.10
3/05/2018 17:00	20.30	7885	124	1.60
3/05/2018 18:00	43.10	8789	378	4.30
3/05/2018 19:00	63.70	6471	152	2.30
3/05/2018 20:00	64.20	4985	245	4.90
3/05/2018 21:00	68.10	4477	135	3.00
3/05/2018 22:00	67.70	2987	77	2.60
3/05/2018 23:00	66.30	1975	67	3.40
3/06/2018 0:00	68.40	1058	24	2.30
3/06/2018 1:00	68.00	571	13	2.30
3/06/2018 2:00	68.20	410	8	2.00
3/06/2018 3:00	68.10	292	10	3.40
3/06/2018 4:00	68.00	457	18	3.90
3/06/2018 5:00	67.30	1109	43	3.90
3/06/2018 6:00	64.00	2823	165	5.80
3/06/2018 7:00	69.50	4708	180	3.80
3/06/2018 8:00	67.50	4918	214	4.40
3/06/2018 9:00	65.30	4835	306	6.30
3/06/2018 10:00	66.80	5013	250	5.00
3/06/2018 11:00	66.20	5600	291	5.20
3/06/2018 12:00	65.60	6201	242	3.90
3/06/2018 13:00	64.00	6926	272	3.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/06/2018 14:00	63.10	8181	295	3.60
3/06/2018 15:00	55.10	8320	256	3.10
3/06/2018 16:00	32.40	7807	139	1.80
3/06/2018 17:00	44.70	7645	124	1.60
3/06/2018 18:00	53.30	8557	833	9.70
3/06/2018 19:00	61.10	7177	242	3.40
3/06/2018 20:00	64.70	5875	281	4.80
3/06/2018 21:00	67.50	5187	189	3.60
3/06/2018 22:00	67.00	3299	181	5.50
3/06/2018 23:00	65.90	1643	69	4.20
3/07/2018 0:00	65.70	1126	49	4.40
3/07/2018 1:00	66.20	648	26	4.00
3/07/2018 2:00	67.80	510	9	1.80
3/07/2018 3:00	65.60	360	5	1.40
3/07/2018 4:00	67.10	498	10	2.00
3/07/2018 5:00	67.40	1093	46	4.20
3/07/2018 6:00	65.70	2694	138	5.10
3/07/2018 7:00	65.70	5162	290	5.60
3/07/2018 8:00	66.70	5492	199	3.60
3/07/2018 9:00	65.80	5211	242	4.60
3/07/2018 10:00	65.70	5395	220	4.10
3/07/2018 11:00	64.40	6347	299	4.70
3/07/2018 12:00	51.40	6846	749	10.90
3/07/2018 13:00	43.00	7686	1029	13.40
3/07/2018 14:00	26.70	6562	1082	16.50
3/07/2018 15:00	25.60	6440	1076	16.70
3/07/2018 16:00	26.00	6034	993	16.50
3/07/2018 17:00	42.50	7514	576	7.70
3/07/2018 18:00	58.40	7126	276	3.90
3/07/2018 19:00	60.20	6147	266	4.30
3/07/2018 20:00	64.10	5095	229	4.50
3/07/2018 21:00	69.00	4061	171	4.20
3/07/2018 22:00	69.20	2795	94	3.40
3/07/2018 23:00	69.30	1880	39	2.10
3/08/2018 0:00	70.70	942	15	1.60
3/08/2018 1:00	69.60	553	13	2.40
3/08/2018 2:00	69.40	354	7	2.00
3/08/2018 3:00	68.10	245	7	2.90
3/08/2018 4:00	67.70	387	29	7.50
3/08/2018 5:00	67.20	901	49	5.40
3/08/2018 6:00	67.20	2304	106	4.60
3/08/2018 7:00	65.10	5648	257	4.60
3/08/2018 8:00	64.90	5783	254	4.40
3/08/2018 9:00	64.30	5609	229	4.10
3/08/2018 10:00	64.50	6244	229	3.70
3/08/2018 11:00	63.60	6883	219	3.20
3/08/2018 12:00	62.00	7752	273	3.50
3/08/2018 13:00	60.80	8795	342	3.90
3/08/2018 14:00	59.30	10016	389	3.90
3/08/2018 15:00	52.20	9706	219	2.30



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/08/2018 16:00	46.20	9790	219	2.20
3/08/2018 17:00	47.80	9822	262	2.70
3/08/2018 18:00	56.10	9316	536	5.80
3/08/2018 19:00	60.40	7259	260	3.60
3/08/2018 20:00	65.80	5799	261	4.50
3/08/2018 21:00	67.00	5163	166	3.20
3/08/2018 22:00	68.20	3817	120	3.10
3/08/2018 23:00	66.70	2447	43	1.80
3/09/2018 0:00	69.20	1412	41	2.90
3/09/2018 1:00	69.40	900	18	2.00
3/09/2018 2:00	69.20	592	7	1.20
3/09/2018 3:00	68.50	446	14	3.10
3/09/2018 4:00	68.60	443	11	2.50
3/09/2018 5:00	67.10	1123	68	6.10
3/09/2018 6:00	67.50	2613	158	6.00
3/09/2018 7:00	66.80	4794	213	4.40
3/09/2018 8:00	67.20	5236	223	4.30
3/09/2018 9:00	63.50	5055	328	6.50
3/09/2018 10:00	66.00	5387	160	3.00
3/09/2018 11:00	63.90	7005	296	4.20
3/09/2018 12:00	63.20	8428	220	2.60
3/09/2018 13:00	62.20	9481	442	4.70
3/09/2018 14:00	58.50	10377	310	3.00
3/09/2018 15:00	39.30	9772	147	1.50
3/09/2018 16:00	52.30	9528	252	2.60
3/09/2018 17:00	53.60	9337	277	3.00
3/09/2018 18:00	56.40	8466	576	6.80
3/09/2018 19:00	62.60	6512	312	4.80
3/09/2018 20:00	64.50	5372	214	4.00
3/09/2018 21:00	68.00	4949	170	3.40
3/09/2018 22:00	68.30	3784	187	4.90
3/09/2018 23:00	68.70	3050	241	7.90
3/10/2018 0:00	68.70	2290	59	2.60
3/10/2018 1:00	69.00	1492	42	2.80
3/10/2018 2:00	70.20	1206	29	2.40
3/10/2018 3:00	69.00	630	14	2.20
3/10/2018 4:00	68.30	490	13	2.70
3/10/2018 5:00	68.70	606	29	4.80
3/10/2018 6:00	69.50	1164	38	3.30
3/10/2018 7:00	67.30	2509	97	3.90
3/10/2018 8:00	68.30	2972	115	3.90
3/10/2018 9:00	66.70	3999	138	3.50
3/10/2018 10:00	65.60	5584	164	2.90
3/10/2018 11:00	66.00	6876	169	2.50
3/10/2018 12:00	65.40	7773	243	3.10
3/10/2018 13:00	66.60	7864	179	2.30
3/10/2018 14:00	63.30	7579	295	3.90
3/10/2018 15:00	61.10	7752	376	4.90
3/10/2018 16:00	63.80	8353	244	2.90
3/10/2018 17:00	62.70	8134	242	3.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/10/2018 18:00	60.40	7208	352	4.90
3/10/2018 19:00	63.30	6007	251	4.20
3/10/2018 20:00	64.50	5251	168	3.20
3/10/2018 21:00	67.80	5423	172	3.20
3/10/2018 22:00	68.40	4626	136	2.90
3/10/2018 23:00	67.20	3565	132	3.70
3/11/2018 0:00	67.80	2384	68	2.90
3/11/2018 1:00	67.80	1582	24	1.50
3/11/2018 3:00	67.80	630	22	3.50
3/11/2018 4:00	70.30	332	5	1.50
3/11/2018 5:00	68.90	457	17	3.70
3/11/2018 6:00	69.70	880	20	2.30
3/11/2018 7:00	68.70	1454	80	5.50
3/11/2018 8:00	68.30	2229	72	3.20
3/11/2018 9:00	66.40	3284	114	3.50
3/11/2018 10:00	66.90	4127	131	3.20
3/11/2018 11:00	66.20	4864	161	3.30
3/11/2018 12:00	65.50	5835	175	3.00
3/11/2018 13:00	57.70	7151	187	2.60
3/11/2018 14:00	61.90	6673	238	3.60
3/11/2018 15:00	64.40	6481	215	3.30
3/11/2018 16:00	64.00	6402	214	3.30
3/11/2018 17:00	60.10	6468	248	3.80
3/11/2018 18:00	56.40	6614	208	3.10
3/11/2018 19:00	61.20	4788	207	4.30
3/11/2018 20:00	64.50	3670	165	4.50
3/11/2018 21:00	61.50	3724	161	4.30
3/11/2018 22:00	58.50	2856	132	4.60
3/11/2018 23:00	67.50	1712	66	3.90
3/12/2018 0:00	68.50	1096	35	3.20
3/12/2018 1:00	68.90	591	9	1.50
3/12/2018 2:00	68.90	409	5	1.20
3/12/2018 3:00	69.60	284	2	0.70
3/12/2018 4:00	68.20	471	20	4.20
3/12/2018 5:00	68.00	1009	31	3.10
3/12/2018 6:00	67.40	2367	78	3.30
3/12/2018 7:00	68.40	4599	151	3.30
3/12/2018 8:00	66.40	5233	209	4.00
3/12/2018 9:00	64.00	5616	238	4.20
3/12/2018 10:00	64.90	5982	174	2.90
3/12/2018 11:00	64.40	6816	181	2.70
3/12/2018 12:00	64.20	7461	235	3.10
3/12/2018 13:00	63.30	8201	259	3.20
3/12/2018 14:00	61.60	9541	281	2.90
3/12/2018 15:00	56.60	10168	266	2.60
3/12/2018 16:00	40.70	9074	156	1.70
3/12/2018 17:00	39.10	9141	228	2.50
3/12/2018 18:00	51.60	8345	459	5.50
3/12/2018 19:00	63.70	6126	181	3.00
3/12/2018 20:00	64.00	4957	213	4.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/12/2018 21:00	67.90	4419	135	3.10
3/12/2018 22:00	68.50	3089	78	2.50
3/12/2018 23:00	67.00	2018	52	2.60
3/13/2018 0:00	68.70	1081	18	1.70
3/13/2018 1:00	67.70	577	10	1.70
3/13/2018 2:00	67.50	385	14	3.60
3/13/2018 3:00	67.50	284	12	4.20
3/13/2018 4:00	64.70	446	37	8.30
3/13/2018 5:00	64.00	1009	60	5.90
3/13/2018 6:00	61.30	2608	190	7.30
3/13/2018 7:00	68.10	4703	210	4.50
3/13/2018 8:00	66.90	4822	248	5.10
3/13/2018 9:00	65.10	4882	240	4.90
3/13/2018 10:00	64.10	6102	237	3.90
3/13/2018 11:00	63.80	6727	246	3.70
3/13/2018 12:00	64.40	7546	246	3.30
3/13/2018 13:00	63.50	8226	258	3.10
3/13/2018 14:00	62.40	8962	371	4.10
3/13/2018 15:00	45.80	8224	137	1.70
3/13/2018 16:00	32.30	7985	73	0.90
3/13/2018 17:00	41.80	9259	265	2.90
3/13/2018 18:00	52.80	8166	470	5.80
3/13/2018 19:00	60.60	7018	375	5.30
3/13/2018 20:00	65.00	5715	212	3.70
3/13/2018 21:00	66.60	5031	204	4.10
3/13/2018 22:00	66.80	3116	184	5.90
3/13/2018 23:00	66.90	1764	88	5.00
3/14/2018 0:00	68.80	1383	66	4.80
3/14/2018 1:00	67.90	731	33	4.50
3/14/2018 2:00	67.50	557	21	3.80
3/14/2018 3:00	68.10	358	10	2.80
3/14/2018 4:00	68.90	472	23	4.90
3/14/2018 5:00	59.40	1237	221	17.90
3/14/2018 6:00	60.00	2267	270	11.90
3/14/2018 7:00	60.20	5259	659	12.50
3/14/2018 8:00	65.80	5155	410	8.00
3/14/2018 9:00	60.80	4912	409	8.30
3/14/2018 10:00	62.30	4898	352	7.20
3/14/2018 11:00	65.80	6894	415	6.00
3/14/2018 12:00	65.90	7723	292	3.80
3/14/2018 13:00	64.30	8361	395	4.70
3/14/2018 14:00	61.80	8756	382	4.40
3/14/2018 15:00	58.10	10635	277	2.60
3/14/2018 16:00	41.30	10053	440	4.40
3/14/2018 17:00	56.80	10087	373	3.70
3/14/2018 18:00	66.90	8729	238	2.70
3/14/2018 19:00	62.50	7594	319	4.20
3/14/2018 20:00	62.50	6551	335	5.10
3/14/2018 21:00	66.80	5527	240	4.30
3/14/2018 22:00	69.80	3761	124	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/14/2018 23:00	69.70	2568	60	2.30
3/15/2018 0:00	67.30	1464	63	4.30
3/15/2018 1:00	65.50	836	46	5.50
3/15/2018 2:00	69.00	564	10	1.80
3/15/2018 3:00	66.90	333	15	4.50
3/15/2018 4:00	67.70	517	23	4.40
3/15/2018 5:00	66.70	1082	59	5.50
3/15/2018 6:00	64.00	2669	116	4.30
3/15/2018 7:00	66.40	5556	245	4.40
3/15/2018 8:00	65.90	5867	260	4.40
3/15/2018 9:00	66.60	5970	229	3.80
3/15/2018 10:00	64.50	6400	267	4.20
3/15/2018 11:00	65.00	6816	261	3.80
3/15/2018 12:00	63.90	7884	263	3.30
3/15/2018 13:00	62.90	8738	470	5.40
3/15/2018 14:00	61.10	10224	426	4.20
3/15/2018 15:00	39.60	9640	178	1.80
3/15/2018 16:00	30.80	9290	48	0.50
3/15/2018 17:00	39.20	9403	80	0.90
3/15/2018 18:00	26.70	8293	117	1.40
3/15/2018 19:00	60.70	7770	416	5.40
3/15/2018 20:00	64.30	6562	223	3.40
3/15/2018 21:00	66.20	5787	206	3.60
3/15/2018 22:00	67.90	3925	149	3.80
3/15/2018 23:00	66.70	2660	100	3.80
3/16/2018 0:00	68.30	1587	32	2.00
3/16/2018 1:00	65.80	888	36	4.10
3/16/2018 2:00	66.30	746	27	3.60
3/16/2018 3:00	67.90	404	10	2.50
3/16/2018 4:00	66.40	534	25	4.70
3/16/2018 5:00	54.80	1309	192	14.70
3/16/2018 6:00	46.80	3437	749	21.80
3/16/2018 7:00	55.80	5211	681	13.10
3/16/2018 8:00	53.90	5992	813	13.60
3/16/2018 9:00	58.40	5634	427	7.60
3/16/2018 10:00	62.00	5180	197	3.80
3/16/2018 11:00	61.40	5819	257	4.40
3/16/2018 12:00	62.00	6678	281	4.20
3/16/2018 13:00	60.10	7404	332	4.50
3/16/2018 14:00	56.40	8597	420	4.90
3/16/2018 15:00	37.20	8324	180	2.20
3/16/2018 16:00	33.40	8088	145	1.80
3/16/2018 17:00	49.80	7753	261	3.40
3/16/2018 18:00	61.90	6672	289	4.30
3/16/2018 19:00	60.70	5906	243	4.10
3/16/2018 20:00	62.40	5006	248	5.00
3/16/2018 21:00	68.40	5233	207	4.00
3/16/2018 22:00	68.70	4007	119	3.00
3/16/2018 23:00	67.30	3022	108	3.60
3/17/2018 0:00	68.00	2318	95	4.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/17/2018 1:00	68.20	1505	68	4.50
3/17/2018 2:00	65.20	1187	55	4.60
3/17/2018 3:00	66.50	628	8	1.30
3/17/2018 4:00	66.70	509	18	3.50
3/17/2018 5:00	66.00	695	19	2.70
3/17/2018 6:00	64.90	1157	43	3.70
3/17/2018 7:00	66.80	2161	71	3.30
3/17/2018 8:00	63.10	3395	169	5.00
3/17/2018 9:00	64.00	4218	140	3.30
3/17/2018 10:00	65.60	5288	223	4.20
3/17/2018 11:00	65.10	5865	185	3.20
3/17/2018 12:00	64.30	6553	237	3.60
3/17/2018 13:00	65.10	6876	281	4.10
3/17/2018 14:00	65.30	7369	222	3.00
3/17/2018 15:00	65.50	7223	265	3.70
3/17/2018 16:00	64.80	7473	250	3.30
3/17/2018 17:00	65.40	7029	292	4.20
3/17/2018 18:00	64.70	6160	234	3.80
3/17/2018 19:00	63.00	5777	223	3.90
3/17/2018 20:00	61.80	5002	315	6.30
3/17/2018 21:00	60.30	5119	189	3.70
3/17/2018 22:00	66.10	4318	211	4.90
3/17/2018 23:00	67.50	3411	135	4.00
3/18/2018 0:00	66.20	2309	114	4.90
3/18/2018 1:00	69.90	1542	37	2.40
3/18/2018 2:00	67.50	1408	49	3.50
3/18/2018 3:00	68.60	817	11	1.30
3/18/2018 4:00	67.40	523	6	1.10
3/18/2018 5:00	66.30	582	13	2.20
3/18/2018 6:00	66.10	987	49	5.00
3/18/2018 7:00	68.20	1682	71	4.20
3/18/2018 8:00	69.00	2601	66	2.50
3/18/2018 9:00	67.40	3836	141	3.70
3/18/2018 10:00	67.60	4886	158	3.20
3/18/2018 11:00	67.40	5572	145	2.60
3/18/2018 12:00	65.40	6676	212	3.20
3/18/2018 13:00	66.50	7187	130	1.80
3/18/2018 14:00	63.80	7420	273	3.70
3/18/2018 15:00	62.90	8118	315	3.90
3/18/2018 16:00	64.70	7241	190	2.60
3/18/2018 17:00	64.50	6746	288	4.30
3/18/2018 18:00	62.80	6334	287	4.50
3/18/2018 19:00	62.00	5782	312	5.40
3/18/2018 20:00	63.80	4459	221	5.00
3/18/2018 21:00	66.20	3578	125	3.50
3/18/2018 22:00	68.80	2805	94	3.40
3/18/2018 23:00	69.80	1942	72	3.70
3/19/2018 0:00	70.70	1257	26	2.10
3/19/2018 1:00	68.30	640	19	3.00
3/19/2018 2:00	67.80	423	9	2.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/19/2018 3:00	68.60	336	9	2.70
3/19/2018 4:00	68.40	452	10	2.20
3/19/2018 5:00	48.80	1455	294	20.20
3/19/2018 6:00	67.40	2235	151	6.80
3/19/2018 7:00	68.50	4189	159	3.80
3/19/2018 8:00	64.80	4920	344	7.00
3/19/2018 9:00	66.50	4468	217	4.90
3/19/2018 10:00	67.00	4795	213	4.40
3/19/2018 11:00	64.90	5666	310	5.50
3/19/2018 12:00	64.60	7467	250	3.30
3/19/2018 13:00	64.10	8345	396	4.70
3/19/2018 14:00	61.40	10180	457	4.50
3/19/2018 15:00	53.40	10442	264	2.50
3/19/2018 16:00	32.00	9513	88	0.90
3/19/2018 17:00	39.80	9970	237	2.40
3/19/2018 18:00	63.60	8659	236	2.70
3/19/2018 19:00	63.80	6883	305	4.40
3/19/2018 20:00	65.80	4576	212	4.60
3/19/2018 21:00	69.40	3641	131	3.60
3/19/2018 22:00	69.50	2466	114	4.60
3/19/2018 23:00	69.80	1597	71	4.40
3/20/2018 0:00	46.40	1573	348	22.10
3/20/2018 1:00	34.70	1420	474	33.40
3/20/2018 2:00	30.00	1838	752	40.90
3/20/2018 3:00	31.70	620	196	31.60
3/20/2018 4:00	68.30	585	97	16.60
3/20/2018 5:00	72.70	837	32	3.80
3/20/2018 6:00	66.40	2175	107	4.90
3/20/2018 7:00	68.40	4628	287	6.20
3/20/2018 8:00	66.60	4724	247	5.20
3/20/2018 9:00	67.00	4755	226	4.80
3/20/2018 10:00	65.40	4947	266	5.40
3/20/2018 11:00	64.40	5591	294	5.30
3/20/2018 12:00	64.00	6372	285	4.50
3/20/2018 13:00	66.00	6820	217	3.20
3/20/2018 14:00	55.50	8256	445	5.40
3/20/2018 15:00	41.00	8352	177	2.10
3/20/2018 16:00	31.50	7935	41	0.50
3/20/2018 17:00	38.00	8013	153	1.90
3/20/2018 18:00	63.80	8067	464	5.80
3/20/2018 19:00	63.90	6455	291	4.50
3/20/2018 20:00	65.50	5372	216	4.00
3/20/2018 21:00	65.20	5125	280	5.50
3/20/2018 22:00	64.60	2870	251	8.70
3/20/2018 23:00	59.60	2006	221	11.00
3/21/2018 0:00	66.70	1233	34	2.80
3/21/2018 1:00	66.30	678	23	3.40
3/21/2018 2:00	66.60	519	20	3.90
3/21/2018 3:00	67.20	381	7	1.80
3/21/2018 4:00	67.70	545	22	4.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/21/2018 5:00	67.80	1039	42	4.00
3/21/2018 6:00	65.90	2618	105	4.00
3/21/2018 7:00	66.80	4945	228	4.60
3/21/2018 8:00	64.80	5569	283	5.10
3/21/2018 9:00	65.30	5388	224	4.20
3/21/2018 10:00	64.30	5689	300	5.30
3/21/2018 11:00	63.20	6592	293	4.40
3/21/2018 12:00	62.90	7226	385	5.30
3/21/2018 13:00	61.80	8016	361	4.50
3/21/2018 14:00	53.70	9404	558	5.90
3/21/2018 15:00	33.10	8965	284	3.20
3/21/2018 16:00	36.20	9170	210	2.30
3/21/2018 17:00	39.70	9242	418	4.50
3/21/2018 18:00	58.80	8727	311	3.60
3/21/2018 19:00	62.50	6984	322	4.60
3/21/2018 20:00	63.20	5948	243	4.10
3/21/2018 21:00	68.80	4968	209	4.20
3/21/2018 22:00	68.70	3403	94	2.80
3/21/2018 23:00	68.00	2160	88	4.10
3/22/2018 0:00	67.80	1422	27	1.90
3/22/2018 1:00	67.40	840	27	3.20
3/22/2018 2:00	67.40	560	15	2.70
3/22/2018 3:00	68.90	392	7	1.80
3/22/2018 4:00	67.30	533	26	4.90
3/22/2018 5:00	67.60	1143	51	4.50
3/22/2018 6:00	66.20	2828	129	4.60
3/22/2018 7:00	67.20	5475	194	3.50
3/22/2018 8:00	66.30	6061	225	3.70
3/22/2018 9:00	65.80	5972	146	2.40
3/22/2018 10:00	62.70	6437	181	2.80
3/22/2018 11:00	63.60	6911	269	3.90
3/22/2018 12:00	63.10	7970	329	4.10
3/22/2018 13:00	63.60	8607	259	3.00
3/22/2018 14:00	48.50	9166	538	5.90
3/22/2018 15:00	37.00	9654	203	2.10
3/22/2018 16:00	60.50	10266	327	3.20
3/22/2018 17:00	48.20	9984	330	3.30
3/22/2018 18:00	64.20	8447	299	3.50
3/22/2018 19:00	64.00	7016	200	2.90
3/22/2018 20:00	64.60	6053	231	3.80
3/22/2018 21:00	68.40	5475	158	2.90
3/22/2018 22:00	67.80	3829	76	2.00
3/22/2018 23:00	67.60	2591	64	2.50
3/23/2018 0:00	67.10	1578	46	2.90
3/23/2018 1:00	64.70	882	45	5.10
3/23/2018 2:00	67.00	691	26	3.80
3/23/2018 3:00	66.60	400	16	4.00
3/23/2018 4:00	66.60	561	25	4.50
3/23/2018 5:00	67.10	1185	64	5.40
3/23/2018 6:00	63.90	2726	141	5.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/23/2018 7:00	61.40	5284	254	4.80
3/23/2018 8:00	60.30	5948	216	3.60
3/23/2018 9:00	60.30	6051	221	3.70
3/23/2018 10:00	61.10	6390	227	3.60
3/23/2018 11:00	62.90	7547	270	3.60
3/23/2018 12:00	62.70	8384	305	3.60
3/23/2018 13:00	61.10	9230	440	4.80
3/23/2018 14:00	60.60	9480	376	4.00
3/23/2018 15:00	43.40	9833	181	1.80
3/23/2018 16:00	42.70	9661	193	2.00
3/23/2018 17:00	60.70	9720	328	3.40
3/23/2018 18:00	63.00	8708	276	3.20
3/23/2018 19:00	61.10	7346	326	4.40
3/23/2018 20:00	62.50	6361	215	3.40
3/23/2018 21:00	68.20	6041	173	2.90
3/23/2018 22:00	71.50	4963	124	2.50
3/23/2018 23:00	69.00	3719	107	2.90
3/24/2018 0:00	69.20	2465	55	2.20
3/24/2018 1:00	70.40	1526	40	2.60
3/24/2018 2:00	67.90	1253	57	4.50
3/24/2018 3:00	65.90	670	32	4.80
3/24/2018 4:00	66.50	499	26	5.20
3/24/2018 5:00	66.80	827	41	5.00
3/24/2018 6:00	66.60	1496	78	5.20
3/24/2018 7:00	67.00	2742	146	5.30
3/24/2018 8:00	64.50	3956	160	4.00
3/24/2018 9:00	65.30	5136	204	4.00
3/24/2018 10:00	66.30	6014	162	2.70
3/24/2018 11:00	65.10	6959	222	3.20
3/24/2018 12:00	64.20	7834	288	3.70
3/24/2018 13:00	64.80	8236	246	3.00
3/24/2018 14:00	64.50	8333	181	2.20
3/24/2018 15:00	65.20	8440	212	2.50
3/24/2018 16:00	65.50	7992	200	2.50
3/24/2018 17:00	65.90	7610	203	2.70
3/24/2018 18:00	66.30	6950	170	2.40
3/24/2018 19:00	62.50	7030	252	3.60
3/24/2018 20:00	62.30	6069	251	4.10
3/24/2018 21:00	67.10	5744	252	4.40
3/24/2018 22:00	68.80	4947	197	4.00
3/24/2018 23:00	68.70	3663	104	2.80
3/25/2018 0:00	68.50	2472	97	3.90
3/25/2018 1:00	70.00	1533	17	1.10
3/25/2018 2:00	69.10	1199	22	1.80
3/25/2018 3:00	65.90	740	33	4.50
3/25/2018 4:00	67.90	447	10	2.20
3/25/2018 5:00	68.60	578	15	2.60
3/25/2018 6:00	68.50	1033	35	3.40
3/25/2018 7:00	66.90	1684	56	3.30
3/25/2018 8:00	66.40	2452	74	3.00



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/25/2018 9:00	65.10	3784	170	4.50
3/25/2018 10:00	66.00	5097	139	2.70
3/25/2018 11:00	66.10	5999	155	2.60
3/25/2018 12:00	64.90	6920	200	2.90
3/25/2018 13:00	63.40	7270	252	3.50
3/25/2018 14:00	63.90	7683	147	1.90
3/25/2018 15:00	63.20	7628	278	3.60
3/25/2018 16:00	64.00	7485	256	3.40
3/25/2018 17:00	65.10	7282	157	2.20
3/25/2018 18:00	64.10	6830	200	2.90
3/25/2018 19:00	63.70	6672	202	3.00
3/25/2018 20:00	62.70	5051	214	4.20
3/25/2018 21:00	68.50	4329	208	4.80
3/25/2018 22:00	69.00	3182	109	3.40
3/25/2018 23:00	67.50	2370	89	3.80
3/26/2018 0:00	68.00	1299	39	3.00
3/26/2018 1:00	68.60	702	10	1.40
3/26/2018 2:00	68.40	487	18	3.70
3/26/2018 3:00	54.00	493	20	4.10
3/26/2018 4:00	52.70	630	97	15.40
3/26/2018 5:00	64.40	1217	225	18.50
3/26/2018 6:00	64.30	2462	405	16.50
3/26/2018 7:00	68.80	4696	752	16.00
3/26/2018 8:00	66.20	4904	486	9.90
3/26/2018 9:00	57.10	4602	486	10.60
3/26/2018 10:00	60.50	4823	412	8.50
3/26/2018 11:00	63.40	5200	262	5.00
3/26/2018 12:00	65.10	5646	233	4.10
3/26/2018 13:00	64.10	6287	245	3.90
3/26/2018 14:00	32.10	6837	461	6.70
3/26/2018 15:00	53.00	8567	387	4.50
3/26/2018 16:00	60.20	8679	267	3.10
3/26/2018 17:00	59.80	8494	317	3.70
3/26/2018 18:00	66.80	6301	162	2.60
3/26/2018 19:00	61.90	5686	307	5.40
3/26/2018 20:00	66.30	4340	169	3.90
3/26/2018 21:00	66.20	3965	206	5.20
3/26/2018 22:00	68.00	3099	128	4.10
3/26/2018 23:00	68.30	2019	112	5.50
3/27/2018 0:00	67.50	1193	30	2.50
3/27/2018 1:00	66.60	693	21	3.00
3/27/2018 2:00	67.20	466	12	2.60
3/27/2018 3:00	67.20	360	6	1.70
3/27/2018 4:00	65.00	503	22	4.40
3/27/2018 5:00	67.60	1047	62	5.90
3/27/2018 6:00	67.60	2246	89	4.00
3/27/2018 7:00	67.20	4095	217	5.30
3/27/2018 8:00	66.30	4769	243	5.10
3/27/2018 9:00	66.80	4653	173	3.70
3/27/2018 10:00	65.60	5107	198	3.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/27/2018 11:00	59.80	5865	289	4.90
3/27/2018 12:00	62.90	6546	373	5.70
3/27/2018 13:00	64.80	7247	302	4.20
3/27/2018 14:00	62.90	8883	409	4.60
3/27/2018 15:00	51.10	9169	340	3.70
3/27/2018 16:00	31.40	8763	123	1.40
3/27/2018 17:00	34.50	8656	148	1.70
3/27/2018 18:00	64.30	7621	262	3.40
3/27/2018 19:00	64.60	6683	236	3.50
3/27/2018 20:00	65.80	5614	211	3.80
3/27/2018 21:00	67.50	4746	226	4.80
3/27/2018 22:00	67.80	3320	190	5.70
3/27/2018 23:00	69.30	2274	90	4.00
3/28/2018 0:00	69.70	1422	51	3.60
3/28/2018 1:00	67.60	769	28	3.60
3/28/2018 2:00	68.00	568	18	3.20
3/28/2018 3:00	64.30	387	27	7.00
3/28/2018 4:00	69.90	375	21	5.60
3/28/2018 5:00	69.50	861	46	5.30
3/28/2018 6:00	67.40	1898	122	6.40
3/28/2018 7:00	68.40	3550	160	4.50
3/28/2018 8:00	63.10	4906	403	8.20
3/28/2018 9:00	60.30	4979	474	9.50
3/28/2018 10:00	67.40	4848	254	5.20
3/28/2018 11:00	61.50	5966	472	7.90
3/28/2018 12:00	62.90	6793	488	7.20
3/28/2018 13:00	63.90	8243	272	3.30
3/28/2018 14:00	60.70	9713	315	3.20
3/28/2018 15:00	51.30	9756	195	2.00
3/28/2018 16:00	35.20	9149	12	0.10
3/28/2018 17:00	41.70	9602	124	1.30
3/28/2018 18:00	64.20	9204	376	4.10
3/28/2018 19:00	65.80	7707	151	2.00
3/28/2018 20:00	65.30	6821	229	3.40
3/28/2018 21:00	67.80	5854	175	3.00
3/28/2018 22:00	65.50	4294	241	5.60
3/28/2018 23:00	67.80	2724	87	3.20
3/29/2018 0:00	68.10	1643	45	2.70
3/29/2018 1:00	68.30	911	9	1.00
3/29/2018 2:00	66.60	608	22	3.60
3/29/2018 3:00	67.30	405	18	4.40
3/29/2018 4:00	68.30	516	23	4.50
3/29/2018 5:00	69.90	1151	43	3.70
3/29/2018 6:00	70.90	1895	108	5.70
3/29/2018 7:00	65.70	3503	246	7.00
3/29/2018 8:00	60.20	4893	490	10.00
3/29/2018 9:00	64.70	4543	284	6.30
3/29/2018 10:00	64.60	5508	224	4.10
3/29/2018 11:00	64.50	6080	284	4.70
3/29/2018 12:00	65.00	6490	298	4.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/29/2018 13:00	64.30	6848	288	4.20
3/29/2018 14:00	61.60	8105	395	4.90
3/29/2018 15:00	62.40	8462	200	2.40
3/29/2018 16:00	40.10	8211	174	2.10
3/29/2018 17:00	40.40	7950	74	0.90
3/29/2018 18:00	58.00	7149	197	2.80
3/29/2018 19:00	65.00	6259	227	3.60
3/29/2018 20:00	64.00	5645	244	4.30
3/29/2018 21:00	62.90	5669	421	7.40
3/29/2018 22:00	63.70	3893	259	6.70
3/29/2018 23:00	63.90	2440	184	7.50
3/30/2018 0:00	69.30	1587	36	2.30
3/30/2018 1:00	68.00	960	15	1.60
3/30/2018 2:00	67.50	683	15	2.20
3/30/2018 3:00	64.00	419	23	5.50
3/30/2018 4:00	65.90	517	20	3.90
3/30/2018 5:00	67.60	1008	37	3.70
3/30/2018 6:00	65.00	2122	71	3.30
3/30/2018 7:00	62.60	3549	133	3.70
3/30/2018 8:00	64.80	4279	154	3.60
3/30/2018 9:00	63.20	4734	213	4.50
3/30/2018 10:00	63.40	5532	182	3.30
3/30/2018 11:00	61.70	6573	303	4.60
3/30/2018 12:00	61.40	7612	350	4.60
3/30/2018 13:00	61.90	8268	317	3.80
3/30/2018 14:00	59.70	9466	309	3.30
3/30/2018 15:00	44.90	9047	300	3.30
3/30/2018 16:00	34.80	8844	196	2.20
3/30/2018 17:00	62.20	8085	331	4.10
3/30/2018 18:00	62.40	7129	300	4.20
3/30/2018 19:00	61.10	6517	309	4.70
3/30/2018 20:00	60.90	5705	271	4.80
3/30/2018 21:00	68.20	5790	153	2.60
3/30/2018 22:00	66.50	4881	202	4.10
3/30/2018 23:00	66.50	3609	217	6.00
3/31/2018 0:00	67.60	2185	133	6.10
3/31/2018 1:00	69.20	1412	50	3.50
3/31/2018 2:00	70.10	1199	47	3.90
3/31/2018 3:00	69.70	651	16	2.50
3/31/2018 4:00	68.20	520	11	2.10
3/31/2018 5:00	68.80	776	31	4.00
3/31/2018 6:00	68.40	1308	53	4.10
3/31/2018 7:00	69.20	2229	96	4.30
3/31/2018 8:00	68.10	3223	135	4.20
3/31/2018 9:00	67.00	4181	190	4.50
3/31/2018 10:00	67.60	5431	194	3.60
3/31/2018 11:00	65.40	6113	264	4.30
3/31/2018 12:00	65.30	6925	205	3.00
3/31/2018 13:00	64.60	7182	310	4.30
3/31/2018 14:00	65.10	7245	294	4.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/31/2018 15:00	65.00	7309	301	4.10
3/31/2018 16:00	65.70	7080	284	4.00
3/31/2018 17:00	67.00	6853	181	2.60
3/31/2018 18:00	66.20	6399	230	3.60
3/31/2018 19:00	64.90	5770	222	3.80
3/31/2018 20:00	63.90	5256	183	3.50
3/31/2018 21:00	68.80	5121	208	4.10
3/31/2018 22:00	68.80	4340	205	4.70
3/31/2018 23:00	68.70	3275	171	5.20
4/01/2018 0:00	69.10	2120	79	3.70
4/01/2018 1:00	65.90	1446	65	4.50
4/01/2018 2:00	67.10	1152	54	4.70
4/01/2018 3:00	66.10	628	25	4.00
4/01/2018 4:00	64.80	468	23	4.90
4/01/2018 5:00	67.00	650	22	3.40
4/01/2018 6:00	67.20	980	48	4.90
4/01/2018 7:00	67.90	1638	73	4.50
4/01/2018 8:00	65.80	2465	100	4.10
4/01/2018 9:00	67.20	3802	106	2.80
4/01/2018 10:00	68.20	4559	122	2.70
4/01/2018 11:00	66.70	5506	199	3.60
4/01/2018 12:00	65.90	6458	186	2.90
4/01/2018 13:00	65.70	6509	189	2.90
4/01/2018 14:00	64.70	6539	253	3.90
4/01/2018 15:00	65.40	6409	219	3.40
4/01/2018 16:00	66.20	6098	170	2.80
4/01/2018 17:00	64.50	5800	296	5.10
4/01/2018 18:00	65.10	5624	217	3.90
4/01/2018 19:00	64.00	5570	209	3.80
4/01/2018 20:00	64.40	4419	121	2.70
4/01/2018 21:00	69.10	3450	107	3.10
4/01/2018 22:00	67.70	2807	149	5.30
4/01/2018 23:00	68.30	2076	75	3.60
4/02/2018 0:00	67.80	1242	45	3.60
4/02/2018 1:00	65.90	618	28	4.50
4/02/2018 2:00	67.10	427	14	3.30
4/02/2018 3:00	66.00	363	14	3.90
4/02/2018 4:00	67.60	504	12	2.40
4/02/2018 5:00	67.20	1175	41	3.50
4/02/2018 6:00	64.70	2323	96	4.10
4/02/2018 7:00	65.40	4303	195	4.50
4/02/2018 8:00	66.10	5188	195	3.80
4/02/2018 9:00	64.70	5071	213	4.20
4/02/2018 10:00	63.70	5398	254	4.70
4/02/2018 11:00	63.70	6141	279	4.50
4/02/2018 12:00	63.90	6649	271	4.10
4/02/2018 13:00	62.80	7310	316	4.30
4/02/2018 14:00	62.60	8777	304	3.50
4/02/2018 15:00	61.80	9693	338	3.50
4/02/2018 16:00	59.40	9326	416	4.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/02/2018 17:00	59.60	9107	369	4.10
4/02/2018 18:00	65.40	7653	303	4.00
4/02/2018 19:00	65.70	5885	206	3.50
4/02/2018 20:00	65.90	4962	198	4.00
4/02/2018 21:00	68.40	4256	158	3.70
4/02/2018 22:00	70.30	3057	74	2.40
4/02/2018 23:00	69.60	1999	27	1.40
4/03/2018 0:00	70.10	934	25	2.70
4/03/2018 1:00	68.50	504	13	2.60
4/03/2018 2:00	68.50	423	26	6.10
4/03/2018 3:00	69.90	303	9	3.00
4/03/2018 4:00	69.10	380	23	6.10
4/03/2018 5:00	67.70	848	57	6.70
4/03/2018 6:00	68.80	2109	109	5.20
4/03/2018 7:00	68.00	4255	245	5.80
4/03/2018 8:00	67.10	4610	208	4.50
4/03/2018 9:00	66.70	4572	231	5.10
4/03/2018 10:00	63.90	5409	365	6.70
4/03/2018 11:00	66.70	5865	345	5.90
4/03/2018 12:00	65.70	6199	266	4.30
4/03/2018 13:00	64.00	6707	321	4.80
4/03/2018 14:00	62.90	8262	379	4.60
4/03/2018 15:00	44.00	8281	163	2.00
4/03/2018 16:00	33.10	8054	99	1.20
4/03/2018 17:00	37.10	8122	115	1.40
4/03/2018 18:00	64.50	7664	256	3.30
4/03/2018 19:00	65.80	6171	221	3.60
4/03/2018 20:00	64.80	5031	220	4.40
4/03/2018 21:00	70.30	4225	138	3.30
4/03/2018 22:00	71.70	2997	54	1.80
4/03/2018 23:00	70.40	2028	71	3.50
4/04/2018 0:00	68.80	1453	69	4.70
4/04/2018 1:00	68.00	784	32	4.10
4/04/2018 2:00	67.10	497	13	2.60
4/04/2018 3:00	67.40	401	11	2.70
4/04/2018 4:00	67.60	511	12	2.30
4/04/2018 5:00	65.60	1081	56	5.20
4/04/2018 6:00	66.10	2421	80	3.30
4/04/2018 7:00	67.10	4580	159	3.50
4/04/2018 8:00	65.70	5430	192	3.50
4/04/2018 9:00	65.20	5246	262	5.00
4/04/2018 10:00	65.00	5390	222	4.10
4/04/2018 11:00	64.50	6454	293	4.50
4/04/2018 12:00	65.40	7166	311	4.30
4/04/2018 13:00	63.80	7879	294	3.70
4/04/2018 14:00	63.20	9436	390	4.10
4/04/2018 15:00	58.20	9755	419	4.30
4/04/2018 16:00	46.50	8489	223	2.60
4/04/2018 17:00	40.60	8999	346	3.80
4/04/2018 18:00	57.20	8770	313	3.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/04/2018 19:00	64.40	7047	295	4.20
4/04/2018 20:00	64.60	5859	242	4.10
4/04/2018 21:00	67.90	4882	158	3.20
4/04/2018 22:00	68.30	3509	115	3.30
4/04/2018 23:00	69.50	2194	29	1.30
4/05/2018 0:00	67.90	1319	38	2.90
4/05/2018 1:00	67.50	755	19	2.50
4/05/2018 2:00	67.50	517	9	1.70
4/05/2018 3:00	66.20	368	15	4.10
4/05/2018 4:00	67.00	507	21	4.10
4/05/2018 5:00	66.80	1039	47	4.50
4/05/2018 6:00	65.00	2559	170	6.60
4/05/2018 7:00	67.60	4842	198	4.10
4/05/2018 8:00	67.30	5147	185	3.60
4/05/2018 9:00	65.70	5275	228	4.30
4/05/2018 10:00	66.30	5868	270	4.60
4/05/2018 11:00	66.10	6388	270	4.20
4/05/2018 12:00	65.40	7103	309	4.40
4/05/2018 13:00	65.00	7874	308	3.90
4/05/2018 14:00	63.00	9188	357	3.90
4/05/2018 15:00	44.20	9243	269	2.90
4/05/2018 16:00	34.10	8700	112	1.30
4/05/2018 17:00	37.00	8795	155	1.80
4/05/2018 18:00	64.20	8392	299	3.60
4/05/2018 19:00	64.90	7241	237	3.30
4/05/2018 20:00	65.80	5922	264	4.50
4/05/2018 21:00	68.50	5153	217	4.20
4/05/2018 22:00	69.70	3608	69	1.90
4/05/2018 23:00	66.70	2441	68	2.80
4/06/2018 0:00	67.80	1446	48	3.30
4/06/2018 1:00	67.20	903	23	2.50
4/06/2018 2:00	65.40	625	26	4.20
4/06/2018 3:00	66.70	446	21	4.70
4/06/2018 4:00	67.30	524	16	3.10
4/06/2018 5:00	64.60	1058	85	8.00
4/06/2018 6:00	64.50	2458	156	6.30
4/06/2018 7:00	65.60	4425	295	6.70
4/06/2018 8:00	66.20	5243	264	5.00
4/06/2018 9:00	64.10	5116	263	5.10
4/06/2018 10:00	64.70	5863	233	4.00
4/06/2018 11:00	64.60	7049	282	4.00
4/06/2018 12:00	63.60	7593	348	4.60
4/06/2018 13:00	62.30	8353	345	4.10
4/06/2018 14:00	62.10	9516	347	3.60
4/06/2018 15:00	53.50	9205	282	3.10
4/06/2018 16:00	45.10	9223	365	4.00
4/06/2018 17:00	50.10	9179	393	4.30
4/06/2018 18:00	65.90	8147	295	3.60
4/06/2018 19:00	63.80	6930	269	3.90
4/06/2018 20:00	63.60	5961	192	3.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/06/2018 21:00	69.80	5521	172	3.10
4/06/2018 22:00	69.00	4741	188	4.00
4/06/2018 23:00	69.00	3398	145	4.30
4/07/2018 0:00	71.40	2286	48	2.10
4/07/2018 1:00	68.80	1460	26	1.80
4/07/2018 2:00	67.80	1146	34	3.00
4/07/2018 3:00	66.60	689	24	3.50
4/07/2018 4:00	67.60	503	5	1.00
4/07/2018 5:00	68.80	768	16	2.10
4/07/2018 6:00	67.50	1370	39	2.80
4/07/2018 7:00	70.90	2370	77	3.20
4/07/2018 8:00	67.60	3531	153	4.30
4/07/2018 9:00	67.90	4542	118	2.60
4/07/2018 10:00	65.90	5419	178	3.30
4/07/2018 11:00	65.30	6261	204	3.30
4/07/2018 12:00	66.20	7128	224	3.10
4/07/2018 13:00	66.60	7383	171	2.30
4/07/2018 14:00	65.80	7626	231	3.00
4/07/2018 15:00	64.40	7732	301	3.90
4/07/2018 16:00	65.30	7490	296	4.00
4/07/2018 17:00	64.80	7140	250	3.50
4/07/2018 18:00	66.30	6557	179	2.70
4/07/2018 19:00	63.70	6321	198	3.10
4/07/2018 20:00	63.00	5553	218	3.90
4/07/2018 21:00	69.30	5477	206	3.80
4/07/2018 22:00	70.80	5377	121	2.30
4/07/2018 23:00	70.30	3598	64	1.80
4/08/2018 0:00	68.90	2704	57	2.10
4/08/2018 1:00	68.00	1651	66	4.00
4/08/2018 2:00	69.50	1316	25	1.90
4/08/2018 3:00	69.40	678	8	1.20
4/08/2018 4:00	68.20	427	17	4.00
4/08/2018 5:00	67.30	616	36	5.80
4/08/2018 6:00	69.80	1121	24	2.10
4/08/2018 7:00	68.60	1811	62	3.40
4/08/2018 8:00	68.60	2730	85	3.10
4/08/2018 9:00	66.50	4219	152	3.60
4/08/2018 10:00	65.50	5239	181	3.50
4/08/2018 11:00	65.70	6169	152	2.50
4/08/2018 12:00	64.80	7387	192	2.60
4/08/2018 13:00	64.20	7376	281	3.80
4/08/2018 14:00	65.20	7834	168	2.10
4/08/2018 15:00	63.40	7845	217	2.80
4/08/2018 16:00	64.40	7903	194	2.50
4/08/2018 17:00	65.20	7603	194	2.60
4/08/2018 18:00	66.00	7038	128	1.80
4/08/2018 19:00	63.40	6953	167	2.40
4/08/2018 20:00	62.50	5420	226	4.20
4/08/2018 21:00	69.10	4449	79	1.80
4/08/2018 22:00	68.50	3626	110	3.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/08/2018 23:00	68.90	2323	46	2.00
4/09/2018 0:00	69.00	1394	19	1.40
4/09/2018 1:00	67.00	674	20	3.00
4/09/2018 2:00	67.40	486	9	1.90
4/09/2018 3:00	69.20	331	6	1.80
4/09/2018 4:00	67.90	487	20	4.10
4/09/2018 5:00	69.00	1147	55	4.80
4/09/2018 6:00	69.40	2783	130	4.70
4/09/2018 7:00	69.20	5156	221	4.30
4/09/2018 8:00	69.80	5852	187	3.20
4/09/2018 9:00	68.70	5624	204	3.60
4/09/2018 10:00	67.70	6044	209	3.50
4/09/2018 11:00	66.90	6744	210	3.10
4/09/2018 12:00	66.30	7603	269	3.50
4/09/2018 13:00	65.10	8332	245	2.90
4/09/2018 14:00	63.30	9790	345	3.50
4/09/2018 15:00	45.20	10048	158	1.60
4/09/2018 16:00	29.90	9455	71	0.80
4/09/2018 17:00	32.60	9627	146	1.50
4/09/2018 18:00	62.60	8543	230	2.70
4/09/2018 19:00	68.00	6951	161	2.30
4/09/2018 20:00	67.60	5804	155	2.70
4/09/2018 21:00	70.40	4761	130	2.70
4/09/2018 22:00	71.40	3210	76	2.40
4/09/2018 23:00	71.50	2148	36	1.70
4/10/2018 0:00	62.00	1273	183	14.40
4/10/2018 1:00	52.60	978	241	24.60
4/10/2018 2:00	44.90	1120	396	35.40
4/10/2018 3:00	57.20	446	108	24.20
4/10/2018 4:00	67.10	473	61	12.90
4/10/2018 5:00	69.90	838	45	5.40
4/10/2018 6:00	68.30	2042	94	4.60
4/10/2018 7:00	68.70	4175	225	5.40
4/10/2018 8:00	69.70	5627	177	3.10
4/10/2018 9:00	67.30	5889	169	2.90
4/10/2018 10:00	68.60	6321	232	3.70
4/10/2018 11:00	65.40	6792	254	3.70
4/10/2018 12:00	65.00	7687	339	4.40
4/10/2018 13:00	64.70	8525	313	3.70
4/10/2018 14:00	64.00	9914	235	2.40
4/10/2018 15:00	45.70	9874	243	2.50
4/10/2018 16:00	35.40	9525	49	0.50
4/10/2018 17:00	37.40	9437	123	1.30
4/10/2018 18:00	36.00	9053	468	5.20
4/10/2018 19:00	67.30	7534	150	2.00
4/10/2018 20:00	66.90	6556	266	4.10
4/10/2018 21:00	71.00	5581	127	2.30
4/10/2018 22:00	71.40	3787	98	2.60
4/10/2018 23:00	69.50	2378	74	3.10
4/11/2018 0:00	69.00	1330	25	1.90



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/11/2018 1:00	69.50	755	12	1.60
4/11/2018 2:00	51.00	888	162	18.20
4/11/2018 3:00	65.90	372	20	5.40
4/11/2018 4:00	66.40	494	22	4.50
4/11/2018 5:00	67.20	1196	36	3.00
4/11/2018 6:00	65.90	2813	125	4.40
4/11/2018 7:00	69.90	5440	200	3.70
4/11/2018 8:00	66.40	6216	189	3.00
4/11/2018 9:00	66.00	5980	197	3.30
4/11/2018 10:00	64.90	6184	247	4.00
4/11/2018 11:00	63.70	7095	247	3.50
4/11/2018 12:00	63.50	7780	268	3.40
4/11/2018 13:00	64.10	8666	219	2.50
4/11/2018 14:00	58.90	10075	384	3.80
4/11/2018 15:00	51.30	10217	287	2.80
4/11/2018 16:00	30.00	9194	34	0.40
4/11/2018 17:00	30.80	9403	106	1.10
4/11/2018 18:00	52.00	9350	181	1.90
4/11/2018 19:00	63.90	7453	205	2.80
4/11/2018 20:00	64.50	6637	157	2.40
4/11/2018 21:00	68.80	6009	187	3.10
4/11/2018 22:00	69.20	3868	72	1.90
4/11/2018 23:00	68.50	2409	54	2.20
4/12/2018 0:00	67.90	1459	48	3.30
4/12/2018 1:00	66.60	855	47	5.50
4/12/2018 2:00	67.80	565	11	1.90
4/12/2018 3:00	68.50	355	16	4.50
4/12/2018 4:00	69.10	490	11	2.20
4/12/2018 5:00	68.10	1165	51	4.40
4/12/2018 6:00	67.10	2852	127	4.50
4/12/2018 7:00	68.40	5593	225	4.00
4/12/2018 8:00	67.50	6055	198	3.30
4/12/2018 9:00	66.60	5940	184	3.10
4/12/2018 10:00	66.70	6216	221	3.60
4/12/2018 11:00	65.30	6917	226	3.30
4/12/2018 12:00	64.10	7644	292	3.80
4/12/2018 13:00	64.20	8591	354	4.10
4/12/2018 14:00	60.90	10274	359	3.50
4/12/2018 15:00	52.80	10182	199	2.00
4/12/2018 16:00	37.90	9321	86	0.90
4/12/2018 17:00	49.70	9581	178	1.90
4/12/2018 18:00	63.80	9152	250	2.70
4/12/2018 19:00	66.30	7634	149	2.00
4/12/2018 20:00	66.90	6322	189	3.00
4/12/2018 21:00	66.90	5649	240	4.20
4/12/2018 22:00	68.60	4208	108	2.60
4/12/2018 23:00	67.40	2570	86	3.30
4/13/2018 0:00	69.20	1560	36	2.30
4/13/2018 1:00	66.30	875	40	4.60
4/13/2018 2:00	67.80	675	21	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/13/2018 3:00	69.40	361	7	1.90
4/13/2018 4:00	68.70	500	21	4.20
4/13/2018 5:00	67.80	1195	44	3.70
4/13/2018 6:00	65.80	2794	169	6.00
4/13/2018 7:00	68.20	5339	211	4.00
4/13/2018 8:00	67.50	5826	222	3.80
4/13/2018 9:00	65.70	5754	238	4.10
4/13/2018 10:00	65.20	6372	223	3.50
4/13/2018 11:00	65.70	7258	211	2.90
4/13/2018 12:00	64.30	8265	287	3.50
4/13/2018 13:00	63.90	9036	338	3.70
4/13/2018 14:00	62.10	9953	262	2.60
4/13/2018 15:00	41.90	9818	103	1.00
4/13/2018 16:00	39.70	9839	252	2.60
4/13/2018 17:00	62.30	9092	162	1.80
4/13/2018 18:00	66.00	8350	220	2.60
4/13/2018 19:00	65.10	7819	181	2.30
4/13/2018 20:00	64.50	6651	205	3.10
4/13/2018 21:00	68.10	6465	118	1.80
4/13/2018 22:00	68.90	5599	158	2.80
4/13/2018 23:00	69.30	3903	93	2.40
4/14/2018 0:00	68.30	2652	82	3.10
4/14/2018 1:00	68.10	1532	40	2.60
4/14/2018 2:00	69.80	1226	25	2.00
4/14/2018 3:00	68.60	669	16	2.40
4/14/2018 4:00	69.00	476	4	0.80
4/14/2018 5:00	68.10	744	20	2.70
4/14/2018 6:00	69.60	1568	42	2.70
4/14/2018 7:00	66.90	2868	127	4.40
4/14/2018 8:00	67.50	3945	118	3.00
4/14/2018 9:00	66.30	5189	109	2.10
4/14/2018 10:00	65.30	6036	185	3.10
4/14/2018 11:00	65.60	6683	218	3.30
4/14/2018 12:00	64.30	7610	280	3.70
4/14/2018 13:00	64.00	7897	191	2.40
4/14/2018 14:00	63.50	8269	213	2.60
4/14/2018 15:00	64.30	8334	199	2.40
4/14/2018 16:00	64.70	8237	162	2.00
4/14/2018 17:00	64.70	7818	243	3.10
4/14/2018 18:00	65.40	7587	167	2.20
4/14/2018 19:00	64.50	7010	145	2.10
4/14/2018 20:00	61.90	6601	195	3.00
4/14/2018 21:00	69.00	6120	174	2.80
4/14/2018 22:00	68.60	5148	137	2.70
4/14/2018 23:00	69.10	3894	67	1.70
4/15/2018 0:00	70.70	2715	32	1.20
4/15/2018 1:00	68.60	1602	54	3.40
4/15/2018 2:00	68.10	1299	25	1.90
4/15/2018 3:00	67.70	629	23	3.70
4/15/2018 4:00	68.70	409	8	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/15/2018 5:00	68.80	591	19	3.20
4/15/2018 6:00	68.00	1110	42	3.80
4/15/2018 7:00	69.70	1793	55	3.10
4/15/2018 8:00	69.20	2897	79	2.70
4/15/2018 9:00	69.20	4077	38	0.90
4/15/2018 10:00	65.00	5246	187	3.60
4/15/2018 11:00	64.70	6237	155	2.50
4/15/2018 12:00	64.50	6852	234	3.40
4/15/2018 13:00	64.10	6145	271	4.40
4/15/2018 14:00	64.50	6277	199	3.20
4/15/2018 15:00	65.40	6328	176	2.80
4/15/2018 16:00	63.90	7531	200	2.70
4/15/2018 17:00	64.10	7528	213	2.80
4/15/2018 18:00	63.60	7030	274	3.90
4/15/2018 19:00	63.10	6810	180	2.60
4/15/2018 20:00	62.70	5271	120	2.30
4/15/2018 21:00	68.10	4256	127	3.00
4/15/2018 22:00	67.80	3283	82	2.50
4/15/2018 23:00	68.20	2190	61	2.80
4/16/2018 0:00	66.30	1263	37	2.90
4/16/2018 1:00	67.30	618	17	2.80
4/16/2018 2:00	68.90	444	8	1.80
4/16/2018 3:00	69.00	351	5	1.40
4/16/2018 4:00	66.50	536	25	4.70
4/16/2018 5:00	65.20	1184	78	6.60
4/16/2018 6:00	64.60	2763	140	5.10
4/16/2018 7:00	64.80	5222	270	5.20
4/16/2018 8:00	64.50	5994	230	3.80
4/16/2018 9:00	64.30	5749	235	4.10
4/16/2018 10:00	64.00	6008	224	3.70
4/16/2018 11:00	64.00	6559	218	3.30
4/16/2018 12:00	63.10	7392	309	4.20
4/16/2018 13:00	62.40	8116	316	3.90
4/16/2018 14:00	62.40	9710	313	3.20
4/16/2018 15:00	59.00	10251	286	2.80
4/16/2018 16:00	57.00	10105	262	2.60
4/16/2018 17:00	59.20	9648	210	2.20
4/16/2018 18:00	64.00	7893	260	3.30
4/16/2018 19:00	65.00	6476	205	3.20
4/16/2018 20:00	63.60	5401	236	4.40
4/16/2018 21:00	65.40	4748	272	5.70
4/16/2018 22:00	64.20	3379	185	5.50
4/16/2018 23:00	65.90	2173	65	3.00
4/17/2018 0:00	68.10	1266	30	2.40
4/17/2018 1:00	67.90	650	17	2.60
4/17/2018 2:00	70.00	455	11	2.40
4/17/2018 3:00	65.70	306	18	5.90
4/17/2018 4:00	69.00	471	14	3.00
4/17/2018 5:00	68.20	1200	48	4.00
4/17/2018 6:00	67.80	2853	114	4.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/17/2018 7:00	66.10	5780	295	5.10
4/17/2018 8:00	65.50	6001	247	4.10
4/17/2018 9:00	64.10	5937	218	3.70
4/17/2018 10:00	64.60	6234	258	4.10
4/17/2018 11:00	63.60	7078	235	3.30
4/17/2018 12:00	65.10	7604	289	3.80
4/17/2018 13:00	63.50	8550	326	3.80
4/17/2018 14:00	62.40	9903	312	3.20
4/17/2018 15:00	58.70	9936	289	2.90
4/17/2018 16:00	43.50	9570	128	1.30
4/17/2018 17:00	61.30	9781	301	3.10
4/17/2018 18:00	66.40	8773	208	2.40
4/17/2018 19:00	65.10	7250	248	3.40
4/17/2018 20:00	63.40	6289	230	3.70
4/17/2018 21:00	65.90	5542	222	4.00
4/17/2018 22:00	66.90	4057	117	2.90
4/17/2018 23:00	66.00	2646	134	5.10
4/18/2018 0:00	67.70	1460	62	4.20
4/18/2018 1:00	67.10	794	22	2.80
4/18/2018 2:00	67.90	571	14	2.50
4/18/2018 3:00	68.00	323	8	2.50
4/18/2018 4:00	66.30	536	32	6.00
4/18/2018 5:00	66.50	1168	54	4.60
4/18/2018 6:00	66.70	2287	155	6.80
4/18/2018 7:00	68.60	4365	235	5.40
4/18/2018 8:00	68.80	4840	210	4.30
4/18/2018 9:00	64.80	5244	243	4.60
4/18/2018 10:00	65.60	6095	161	2.60
4/18/2018 11:00	65.60	6973	192	2.80
4/18/2018 12:00	64.90	7784	249	3.20
4/18/2018 13:00	64.10	8492	240	2.80
4/18/2018 14:00	62.30	9842	227	2.30
4/18/2018 15:00	37.90	9262	136	1.50
4/18/2018 16:00	27.30	9142	73	0.80
4/18/2018 17:00	35.30	9277	76	0.80
4/18/2018 18:00	64.40	8889	318	3.60
4/18/2018 19:00	64.50	7340	213	2.90
4/18/2018 20:00	64.60	6606	192	2.90
4/18/2018 21:00	68.30	5526	171	3.10
4/18/2018 22:00	66.60	3858	173	4.50
4/18/2018 23:00	64.90	2544	93	3.70
4/19/2018 0:00	66.90	1430	39	2.70
4/19/2018 1:00	67.70	786	21	2.70
4/19/2018 2:00	59.60	630	72	11.40
4/19/2018 3:00	67.60	331	21	6.30
4/19/2018 4:00	67.80	508	23	4.50
4/19/2018 5:00	67.00	1212	78	6.40
4/19/2018 6:00	67.80	2800	118	4.20
4/19/2018 7:00	68.50	5629	184	3.30
4/19/2018 8:00	67.70	5990	159	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/19/2018 9:00	65.80	5939	173	2.90
4/19/2018 10:00	59.40	6157	291	4.70
4/19/2018 11:00	61.10	6612	331	5.00
4/19/2018 12:00	65.10	7668	224	2.90
4/19/2018 13:00	64.20	8478	224	2.60
4/19/2018 14:00	62.00	10117	392	3.90
4/19/2018 15:00	63.30	10123	390	3.90
4/19/2018 16:00	60.90	10139	216	2.10
4/19/2018 17:00	34.30	9262	93	1.00
4/19/2018 18:00	54.80	8923	224	2.50
4/19/2018 19:00	66.00	7429	238	3.20
4/19/2018 20:00	65.10	6407	220	3.40
4/19/2018 21:00	68.10	5512	191	3.50
4/19/2018 22:00	69.00	3983	113	2.80
4/19/2018 23:00	68.70	2630	76	2.90
4/20/2018 0:00	68.80	1595	51	3.20
4/20/2018 1:00	68.40	908	23	2.50
4/20/2018 2:00	67.70	637	10	1.60
4/20/2018 3:00	68.90	431	8	1.90
4/20/2018 4:00	67.70	489	26	5.30
4/20/2018 5:00	67.90	1199	46	3.80
4/20/2018 6:00	68.00	2367	138	5.80
4/20/2018 7:00	68.90	4096	209	5.10
4/20/2018 8:00	67.00	4673	224	4.80
4/20/2018 9:00	68.80	4652	154	3.30
4/20/2018 10:00	66.10	5446	192	3.50
4/20/2018 11:00	63.70	7562	239	3.20
4/20/2018 12:00	64.30	8633	344	4.00
4/20/2018 13:00	61.40	9231	492	5.30
4/20/2018 14:00	46.90	9789	297	3.00
4/20/2018 15:00	23.90	8221	24	0.30
4/20/2018 16:00	44.30	9534	138	1.40
4/20/2018 17:00	43.80	9397	187	2.00
4/20/2018 18:00	62.90	8565	337	3.90
4/20/2018 19:00	65.10	7549	203	2.70
4/20/2018 20:00	63.90	6700	223	3.30
4/20/2018 21:00	67.10	6253	219	3.50
4/20/2018 22:00	67.80	5097	167	3.30
4/20/2018 23:00	67.60	3406	157	4.60
4/21/2018 0:00	69.90	1996	77	3.90
4/21/2018 1:00	69.20	1195	44	3.70
4/21/2018 2:00	67.80	1172	27	2.30
4/21/2018 3:00	68.80	585	14	2.40
4/21/2018 4:00	67.60	457	10	2.20
4/21/2018 5:00	68.40	766	25	3.30
4/21/2018 6:00	68.40	1581	38	2.40
4/21/2018 7:00	67.80	2832	106	3.70
4/21/2018 8:00	67.10	3999	103	2.60
4/21/2018 9:00	66.50	5128	166	3.20
4/21/2018 10:00	66.30	6179	165	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/21/2018 11:00	65.00	7017	237	3.40
4/21/2018 12:00	65.20	7767	204	2.60
4/21/2018 13:00	64.80	7993	232	2.90
4/21/2018 14:00	64.90	8322	204	2.50
4/21/2018 15:00	63.20	8465	310	3.70
4/21/2018 16:00	64.00	8655	226	2.60
4/21/2018 17:00	65.40	8041	188	2.30
4/21/2018 18:00	66.40	7214	157	2.20
4/21/2018 19:00	63.90	6498	216	3.30
4/21/2018 20:00	63.40	5894	121	2.10
4/21/2018 21:00	69.80	5514	125	2.30
4/21/2018 22:00	68.60	4926	129	2.60
4/21/2018 23:00	67.60	3842	154	4.00
4/22/2018 0:00	70.00	2514	41	1.60
4/22/2018 1:00	67.80	1612	41	2.50
4/22/2018 2:00	68.90	1279	22	1.70
4/22/2018 3:00	67.90	626	20	3.20
4/22/2018 4:00	65.80	402	22	5.50
4/22/2018 5:00	68.30	651	17	2.60
4/22/2018 6:00	68.60	1117	46	4.10
4/22/2018 7:00	68.20	1824	71	3.90
4/22/2018 8:00	69.00	2878	57	2.00
4/22/2018 9:00	65.90	4202	155	3.70
4/22/2018 10:00	66.30	5366	94	1.80
4/22/2018 11:00	65.10	6525	183	2.80
4/22/2018 12:00	64.40	7416	171	2.30
4/22/2018 13:00	64.90	7570	186	2.50
4/22/2018 14:00	65.30	7902	234	3.00
4/22/2018 15:00	64.20	8120	229	2.80
4/22/2018 16:00	63.30	8103	196	2.40
4/22/2018 17:00	64.70	7604	170	2.20
4/22/2018 18:00	65.10	7288	137	1.90
4/22/2018 19:00	64.20	6847	153	2.20
4/22/2018 20:00	63.10	5775	151	2.60
4/22/2018 21:00	67.80	4386	168	3.80
4/22/2018 22:00	68.60	3251	86	2.60
4/22/2018 23:00	69.70	2192	64	2.90
4/23/2018 0:00	68.30	1301	43	3.30
4/23/2018 1:00	67.80	606	16	2.60
4/23/2018 2:00	66.00	485	18	3.70
4/23/2018 3:00	68.10	314	10	3.20
4/23/2018 4:00	67.20	489	23	4.70
4/23/2018 5:00	68.40	1137	47	4.10
4/23/2018 6:00	65.60	2753	172	6.20
4/23/2018 7:00	66.50	5067	216	4.30
4/23/2018 8:00	66.10	5855	213	3.60
4/23/2018 9:00	66.60	5589	166	3.00
4/23/2018 10:00	65.30	5718	260	4.50
4/23/2018 11:00	65.80	6714	172	2.60
4/23/2018 12:00	65.30	7391	247	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/23/2018 13:00	64.60	8144	271	3.30
4/23/2018 14:00	64.00	9500	240	2.50
4/23/2018 15:00	61.00	10105	309	3.10
4/23/2018 16:00	60.40	10134	281	2.80
4/23/2018 17:00	56.50	9973	345	3.50
4/23/2018 18:00	65.70	8486	237	2.80
4/23/2018 19:00	66.90	6521	196	3.00
4/23/2018 20:00	66.80	5482	164	3.00
4/23/2018 21:00	68.10	4559	126	2.80
4/23/2018 22:00	68.30	3132	95	3.00
4/23/2018 23:00	66.70	2143	75	3.50
4/24/2018 0:00	49.60	1686	330	19.60
4/24/2018 1:00	29.50	1376	483	35.10
4/24/2018 2:00	68.00	376	12	3.20
4/24/2018 3:00	64.30	268	21	7.80
4/24/2018 4:00	55.80	800	100	12.50
4/24/2018 5:00	60.00	1441	130	9.00
4/24/2018 6:00	61.70	2999	232	7.70
4/24/2018 7:00	65.10	5645	369	6.50
4/24/2018 8:00	65.70	5817	265	4.60
4/24/2018 9:00	66.20	5747	251	4.40
4/24/2018 10:00	67.70	5851	203	3.50
4/24/2018 11:00	66.20	6576	234	3.60
4/24/2018 12:00	62.40	7332	512	7.00
4/24/2018 13:00	66.00	8173	346	4.20
4/24/2018 14:00	65.40	9719	340	3.50
4/24/2018 15:00	56.80	10098	278	2.80
4/24/2018 16:00	49.50	9039	179	2.00
4/24/2018 17:00	56.50	9897	349	3.50
4/24/2018 18:00	66.30	9073	259	2.90
4/24/2018 19:00	68.50	7256	194	2.70
4/24/2018 20:00	66.00	6149	188	3.10
4/24/2018 21:00	69.00	5210	185	3.60
4/24/2018 22:00	68.90	3494	108	3.10
4/24/2018 23:00	68.80	2331	91	3.90
4/25/2018 0:00	65.70	1321	71	5.40
4/25/2018 1:00	63.60	805	44	5.50
4/25/2018 2:00	66.20	558	28	5.00
4/25/2018 3:00	63.70	394	27	6.90
4/25/2018 4:00	66.00	492	26	5.30
4/25/2018 5:00	67.50	1177	66	5.60
4/25/2018 6:00	66.70	2850	154	5.40
4/25/2018 7:00	66.60	5267	378	7.20
4/25/2018 8:00	69.10	5960	247	4.10
4/25/2018 9:00	66.70	5676	227	4.00
4/25/2018 10:00	66.20	5845	194	3.30
4/25/2018 11:00	64.90	6968	303	4.30
4/25/2018 12:00	64.20	7493	261	3.50
4/25/2018 13:00	63.60	8586	310	3.60
4/25/2018 14:00	59.50	10060	362	3.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/25/2018 15:00	40.50	9580	152	1.60
4/25/2018 16:00	34.40	9397	41	0.40
4/25/2018 17:00	30.00	8409	66	0.80
4/25/2018 18:00	58.50	8202	189	2.30
4/25/2018 19:00	67.00	6388	243	3.80
4/25/2018 20:00	65.40	5113	239	4.70
4/25/2018 21:00	68.50	4207	169	4.00
4/25/2018 22:00	66.80	2838	129	4.50
4/25/2018 23:00	67.10	2343	124	5.30
4/26/2018 0:00	67.50	1370	67	4.90
4/26/2018 1:00	64.70	825	55	6.70
4/26/2018 2:00	60.90	612	72	11.80
4/26/2018 3:00	67.00	413	18	4.40
4/26/2018 4:00	65.70	448	50	11.20
4/26/2018 5:00	65.40	1282	97	7.60
4/26/2018 6:00	66.70	2845	163	5.70
4/26/2018 7:00	65.40	5554	374	6.70
4/26/2018 8:00	67.30	5923	278	4.70
4/26/2018 9:00	65.60	5965	226	3.80
4/26/2018 10:00	64.90	5863	268	4.60
4/26/2018 11:00	64.10	6819	249	3.70
4/26/2018 12:00	65.00	7671	287	3.70
4/26/2018 13:00	65.60	8366	283	3.40
4/26/2018 14:00	61.90	9946	394	4.00
4/26/2018 15:00	47.70	9541	189	2.00
4/26/2018 16:00	56.80	9255	128	1.40
4/26/2018 17:00	51.40	9179	107	1.20
4/26/2018 18:00	63.60	8519	207	2.40
4/26/2018 19:00	65.20	7941	287	3.60
4/26/2018 20:00	64.30	6423	211	3.30
4/26/2018 21:00	67.50	5593	161	2.90
4/26/2018 22:00	68.60	3928	87	2.20
4/26/2018 23:00	64.60	2746	125	4.60
4/27/2018 0:00	67.90	1711	75	4.40
4/27/2018 1:00	68.40	1239	41	3.30
4/27/2018 2:00	66.10	831	45	5.40
4/27/2018 3:00	65.20	538	23	4.30
4/27/2018 4:00	62.50	617	56	9.10
4/27/2018 5:00	65.30	1283	64	5.00
4/27/2018 6:00	68.30	2741	131	4.80
4/27/2018 7:00	69.20	5093	223	4.40
4/27/2018 8:00	67.40	5816	240	4.10
4/27/2018 9:00	66.00	5705	287	5.00
4/27/2018 10:00	65.90	5978	305	5.10
4/27/2018 11:00	65.00	6352	288	4.50
4/27/2018 12:00	63.50	7208	306	4.20
4/27/2018 13:00	62.70	8906	395	4.40
4/27/2018 14:00	59.50	9766	428	4.40
4/27/2018 15:00	54.70	9010	413	4.60
4/27/2018 16:00	48.50	8181	384	4.70



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/27/2018 17:00	32.30	7382	210	2.80
4/27/2018 18:00	67.30	6466	200	3.10
4/27/2018 19:00	64.60	7191	202	2.80
4/27/2018 20:00	62.50	6556	188	2.90
4/27/2018 21:00	68.00	6348	227	3.60
4/27/2018 22:00	68.80	5492	176	3.20
4/27/2018 23:00	68.10	3966	124	3.10
4/28/2018 0:00	69.80	2465	36	1.50
4/28/2018 1:00	68.60	1646	45	2.70
4/28/2018 2:00	65.20	1263	73	5.80
4/28/2018 3:00	64.80	707	30	4.20
4/28/2018 4:00	67.80	492	19	3.90
4/28/2018 5:00	68.70	791	15	1.90
4/28/2018 6:00	66.90	1468	57	3.90
4/28/2018 7:00	65.10	2709	126	4.70
4/28/2018 8:00	66.60	4075	90	2.20
4/28/2018 9:00	66.40	5171	112	2.20
4/28/2018 10:00	64.10	6052	169	2.80
4/28/2018 11:00	64.70	7052	188	2.70
4/28/2018 12:00	63.60	7797	247	3.20
4/28/2018 13:00	62.40	7310	280	3.80
4/28/2018 14:00	62.70	7052	234	3.30
4/28/2018 15:00	66.50	6912	169	2.40
4/28/2018 16:00	65.50	7075	193	2.70
4/28/2018 17:00	64.00	8007	193	2.40
4/28/2018 18:00	63.80	7534	220	2.90
4/28/2018 19:00	63.50	6790	200	2.90
4/28/2018 20:00	60.70	6329	189	3.00
4/28/2018 21:00	67.00	5996	156	2.60
4/28/2018 22:00	66.10	5272	192	3.60
4/28/2018 23:00	65.90	3886	134	3.40
4/29/2018 0:00	66.60	2556	46	1.80
4/29/2018 1:00	67.40	1733	39	2.30
4/29/2018 2:00	67.60	1344	37	2.80
4/29/2018 3:00	67.90	698	20	2.90
4/29/2018 4:00	67.20	395	13	3.30
4/29/2018 5:00	67.80	635	26	4.10
4/29/2018 6:00	67.60	1077	33	3.10
4/29/2018 7:00	66.80	1734	86	5.00
4/29/2018 8:00	65.90	2808	61	2.20
4/29/2018 9:00	64.60	4220	138	3.30
4/29/2018 10:00	63.80	5363	135	2.50
4/29/2018 11:00	63.20	6241	192	3.10
4/29/2018 12:00	63.00	7191	218	3.00
4/29/2018 13:00	63.60	7387	221	3.00
4/29/2018 14:00	64.10	7850	198	2.50
4/29/2018 15:00	63.20	7822	233	3.00
4/29/2018 16:00	63.00	8140	232	2.90
4/29/2018 17:00	62.90	7638	218	2.90
4/29/2018 18:00	63.70	6812	154	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/29/2018 19:00	63.50	6492	161	2.50
4/29/2018 20:00	61.70	5115	159	3.10
4/29/2018 21:00	66.80	4283	118	2.80
4/29/2018 22:00	67.30	3165	75	2.40
4/29/2018 23:00	67.50	2181	50	2.30
4/30/2018 0:00	68.20	1369	28	2.00
4/30/2018 1:00	66.90	759	24	3.20
4/30/2018 2:00	66.80	505	18	3.60
4/30/2018 3:00	66.60	338	17	5.00
4/30/2018 4:00	68.70	464	10	2.20
4/30/2018 5:00	65.70	1190	62	5.20
4/30/2018 6:00	63.20	2695	150	5.60
4/30/2018 7:00	64.80	5124	190	3.70
4/30/2018 8:00	64.60	5741	233	4.10
4/30/2018 9:00	63.70	5567	227	4.10
4/30/2018 10:00	64.50	5783	160	2.80
4/30/2018 11:00	64.80	6843	218	3.20
4/30/2018 12:00	65.20	7341	253	3.40
4/30/2018 13:00	63.70	8265	262	3.20
4/30/2018 14:00	61.10	10029	358	3.60
4/30/2018 15:00	58.40	10731	412	3.80
4/30/2018 16:00	46.20	9944	183	1.80
4/30/2018 17:00	58.50	9245	332	3.60
4/30/2018 18:00	61.20	8824	212	2.40
4/30/2018 19:00	64.10	6090	191	3.10
4/30/2018 20:00	61.30	5269	167	3.20
4/30/2018 21:00	61.90	4309	198	4.60
4/30/2018 22:00	65.20	3178	133	4.20
4/30/2018 23:00	67.50	2123	42	2.00
5/01/2018 0:00	69.00	1198	16	1.30
5/01/2018 1:00	67.50	679	17	2.50
5/01/2018 2:00	66.10	477	18	3.80
5/01/2018 3:00	66.90	354	24	6.80
5/01/2018 4:00	51.90	732	133	18.20
5/01/2018 5:00	67.70	1247	53	4.30
5/01/2018 6:00	65.60	2896	122	4.20
5/01/2018 7:00	65.60	5480	189	3.40
5/01/2018 8:00	64.70	5809	184	3.20
5/01/2018 9:00	62.60	6018	257	4.30
5/01/2018 10:00	62.10	6051	230	3.80
5/01/2018 11:00	60.70	6756	338	5.00
5/01/2018 12:00	61.70	7284	289	4.00
5/01/2018 13:00	60.60	8127	372	4.60
5/01/2018 14:00	59.70	9871	317	3.20
5/01/2018 15:00	59.20	10579	280	2.60
5/01/2018 16:00	50.00	9995	235	2.40
5/01/2018 17:00	48.80	10000	247	2.50
5/01/2018 18:00	63.10	8845	242	2.70
5/01/2018 19:00	64.00	6772	188	2.80
5/01/2018 20:00	62.10	5871	199	3.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/01/2018 21:00	64.30	4970	186	3.70
5/01/2018 22:00	64.70	3452	122	3.50
5/01/2018 23:00	67.10	2280	74	3.20
5/02/2018 0:00	68.40	1244	34	2.70
5/02/2018 1:00	67.10	756	16	2.10
5/02/2018 2:00	67.70	515	21	4.10
5/02/2018 3:00	68.40	301	7	2.30
5/02/2018 4:00	68.30	411	15	3.60
5/02/2018 5:00	67.20	1160	45	3.90
5/02/2018 6:00	63.50	2714	132	4.90
5/02/2018 7:00	63.00	5323	301	5.70
5/02/2018 8:00	59.20	5966	263	4.40
5/02/2018 9:00	57.30	5967	235	3.90
5/02/2018 10:00	61.10	5892	215	3.60
5/02/2018 11:00	61.70	6963	224	3.20
5/02/2018 12:00	62.50	7380	255	3.50
5/02/2018 13:00	60.40	8369	299	3.60
5/02/2018 14:00	56.70	10142	360	3.50
5/02/2018 15:00	58.90	10220	244	2.40
5/02/2018 16:00	51.20	10171	394	3.90
5/02/2018 17:00	60.10	9400	290	3.10
5/02/2018 18:00	60.90	8770	269	3.10
5/02/2018 19:00	66.10	7031	192	2.70
5/02/2018 20:00	62.50	6376	293	4.60
5/02/2018 21:00	67.00	5108	147	2.90
5/02/2018 22:00	66.50	3740	148	4.00
5/02/2018 23:00	68.80	2318	65	2.80
5/03/2018 0:00	66.70	1495	56	3.70
5/03/2018 1:00	65.30	805	33	4.10
5/03/2018 2:00	67.30	542	17	3.10
5/03/2018 3:00	67.80	370	23	6.20
5/03/2018 4:00	66.30	520	24	4.60
5/03/2018 5:00	66.40	1129	46	4.10
5/03/2018 6:00	64.40	2872	143	5.00
5/03/2018 7:00	66.70	5617	225	4.00
5/03/2018 8:00	65.70	5981	170	2.80
5/03/2018 9:00	64.50	5917	229	3.90
5/03/2018 10:00	64.60	6066	193	3.20
5/03/2018 11:00	63.60	7081	228	3.20
5/03/2018 12:00	62.50	7951	278	3.50
5/03/2018 13:00	62.70	8697	281	3.20
5/03/2018 14:00	59.70	10135	388	3.80
5/03/2018 15:00	51.90	9966	291	2.90
5/03/2018 16:00	54.80	9690	295	3.00
5/03/2018 17:00	43.00	9376	115	1.20
5/03/2018 18:00	61.60	8829	274	3.10
5/03/2018 19:00	64.60	7755	225	2.90
5/03/2018 20:00	64.00	6853	175	2.60
5/03/2018 21:00	66.60	6055	129	2.10
5/03/2018 22:00	67.50	3969	139	3.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/03/2018 23:00	67.10	2766	120	4.30
5/04/2018 0:00	68.30	1674	41	2.40
5/04/2018 1:00	66.90	984	28	2.80
5/04/2018 2:00	65.80	714	24	3.40
5/04/2018 3:00	68.00	394	18	4.60
5/04/2018 4:00	65.50	569	39	6.90
5/04/2018 5:00	65.80	1181	52	4.40
5/04/2018 6:00	65.20	2867	160	5.60
5/04/2018 7:00	66.60	5381	238	4.40
5/04/2018 8:00	67.10	5842	197	3.40
5/04/2018 9:00	66.30	5773	210	3.60
5/04/2018 10:00	64.40	6406	318	5.00
5/04/2018 11:00	63.10	7366	311	4.20
5/04/2018 12:00	63.00	8456	318	3.80
5/04/2018 13:00	60.00	9731	427	4.40
5/04/2018 14:00	58.70	10294	426	4.10
5/04/2018 15:00	40.60	9724	200	2.10
5/04/2018 16:00	33.70	9408	62	0.70
5/04/2018 17:00	45.50	9454	310	3.30
5/04/2018 18:00	64.20	8667	355	4.10
5/04/2018 19:00	64.60	7443	202	2.70
5/04/2018 20:00	62.20	6960	158	2.30
5/04/2018 21:00	68.20	6817	129	1.90
5/04/2018 22:00	67.50	4895	215	4.40
5/04/2018 23:00	68.20	3853	128	3.30
5/05/2018 0:00	67.60	2665	91	3.40
5/05/2018 1:00	67.80	1617	56	3.50
5/05/2018 2:00	68.40	1261	38	3.00
5/05/2018 3:00	68.10	671	17	2.50
5/05/2018 4:00	68.20	519	11	2.10
5/05/2018 5:00	67.80	766	14	1.80
5/05/2018 6:00	66.90	1582	66	4.20
5/05/2018 7:00	64.70	2926	120	4.10
5/05/2018 8:00	63.80	3960	193	4.90
5/05/2018 9:00	65.30	5339	157	2.90
5/05/2018 10:00	64.00	6286	222	3.50
5/05/2018 11:00	63.60	7190	238	3.30
5/05/2018 12:00	62.90	7951	262	3.30
5/05/2018 13:00	63.60	8187	207	2.50
5/05/2018 14:00	63.60	8417	217	2.60
5/05/2018 15:00	64.00	8561	241	2.80
5/05/2018 16:00	64.40	8343	193	2.30
5/05/2018 17:00	64.10	8186	208	2.50
5/05/2018 18:00	64.20	7595	228	3.00
5/05/2018 19:00	63.10	7062	207	2.90
5/05/2018 20:00	61.60	6587	155	2.40
5/05/2018 21:00	65.80	6474	223	3.40
5/05/2018 22:00	65.00	5282	175	3.30
5/05/2018 23:00	66.10	4114	88	2.10
5/06/2018 0:00	66.70	2749	85	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/06/2018 1:00	66.80	1820	57	3.10
5/06/2018 2:00	67.50	1509	31	2.10
5/06/2018 3:00	65.00	780	42	5.40
5/06/2018 4:00	67.10	549	11	2.00
5/06/2018 5:00	69.00	654	8	1.20
5/06/2018 6:00	64.90	1261	65	5.20
5/06/2018 7:00	65.30	2338	118	5.00
5/06/2018 8:00	64.10	3451	170	4.90
5/06/2018 9:00	65.40	4614	122	2.60
5/06/2018 10:00	65.00	5633	126	2.20
5/06/2018 11:00	62.70	6544	215	3.30
5/06/2018 12:00	63.10	7650	220	2.90
5/06/2018 13:00	62.10	7567	233	3.10
5/06/2018 14:00	63.10	8131	196	2.40
5/06/2018 15:00	63.70	8207	192	2.30
5/06/2018 16:00	61.40	8154	227	2.80
5/06/2018 17:00	62.50	7703	206	2.70
5/06/2018 18:00	64.00	7454	166	2.20
5/06/2018 19:00	63.90	6868	147	2.10
5/06/2018 20:00	62.20	5805	130	2.20
5/06/2018 21:00	67.10	4425	105	2.40
5/06/2018 22:00	68.10	3423	80	2.30
5/06/2018 23:00	64.60	2281	120	5.30
5/07/2018 0:00	67.40	1290	32	2.50
5/07/2018 1:00	67.40	723	13	1.80
5/07/2018 2:00	67.50	428	12	2.80
5/07/2018 3:00	68.20	323	10	3.10
5/07/2018 4:00	66.80	480	32	6.70
5/07/2018 5:00	67.10	1194	67	5.60
5/07/2018 6:00	67.20	2833	92	3.20
5/07/2018 7:00	65.80	5381	226	4.20
5/07/2018 8:00	66.20	5760	184	3.20
5/07/2018 9:00	65.20	5692	227	4.00
5/07/2018 10:00	65.40	5764	185	3.20
5/07/2018 11:00	62.80	6748	306	4.50
5/07/2018 12:00	62.90	7532	278	3.70
5/07/2018 13:00	62.10	8052	313	3.90
5/07/2018 14:00	61.40	10109	355	3.50
5/07/2018 15:00	53.50	10429	339	3.30
5/07/2018 16:00	33.60	9549	102	1.10
5/07/2018 17:00	42.30	9695	220	2.30
5/07/2018 18:00	65.90	8350	201	2.40
5/07/2018 19:00	67.30	6630	146	2.20
5/07/2018 20:00	64.80	5878	201	3.40
5/07/2018 21:00	68.10	4775	144	3.00
5/07/2018 22:00	66.50	3550	134	3.80
5/07/2018 23:00	66.30	2191	72	3.30
5/08/2018 0:00	67.20	1230	33	2.70
5/08/2018 1:00	65.10	705	45	6.40
5/08/2018 2:00	67.80	467	11	2.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/08/2018 3:00	65.70	332	19	5.70
5/08/2018 4:00	65.60	480	38	7.90
5/08/2018 5:00	68.30	1223	38	3.10
5/08/2018 6:00	65.90	2963	119	4.00
5/08/2018 7:00	64.90	5553	221	4.00
5/08/2018 8:00	63.00	5802	268	4.60
5/08/2018 9:00	62.70	5803	239	4.10
5/08/2018 10:00	62.50	6061	222	3.70
5/08/2018 11:00	62.70	6830	202	3.00
5/08/2018 12:00	62.00	7845	236	3.00
5/08/2018 13:00	60.70	8559	312	3.60
5/08/2018 14:00	58.00	10141	456	4.50
5/08/2018 15:00	46.80	9713	207	2.10
5/08/2018 16:00	25.40	8975	24	0.30
5/08/2018 17:00	29.30	8932	13	0.10
5/08/2018 18:00	41.90	9049	309	3.40
5/08/2018 19:00	64.50	7460	191	2.60
5/08/2018 20:00	63.30	6704	183	2.70
5/08/2018 21:00	67.40	5730	168	2.90
5/08/2018 22:00	67.40	4035	149	3.70
5/08/2018 23:00	68.70	2551	82	3.20
5/09/2018 0:00	69.30	1389	46	3.30
5/09/2018 1:00	67.80	768	24	3.10
5/09/2018 2:00	66.30	590	29	4.90
5/09/2018 3:00	68.60	382	12	3.10
5/09/2018 4:00	67.50	512	28	5.50
5/09/2018 5:00	66.60	1186	51	4.30
5/09/2018 6:00	64.20	2789	154	5.50
5/09/2018 7:00	66.80	5364	252	4.70
5/09/2018 8:00	64.60	5884	202	3.40
5/09/2018 9:00	63.80	5812	211	3.60
5/09/2018 10:00	62.10	5982	244	4.10
5/09/2018 11:00	61.50	7053	273	3.90
5/09/2018 12:00	61.30	8001	265	3.30
5/09/2018 13:00	59.30	8595	352	4.10
5/09/2018 14:00	59.10	10141	307	3.00
5/09/2018 15:00	58.60	7896	289	3.70
5/09/2018 16:00	57.00	9116	294	3.20
5/09/2018 17:00	55.30	9385	377	4.00
5/09/2018 18:00	60.10	8712	257	2.90
5/09/2018 19:00	65.60	7481	187	2.50
5/09/2018 20:00	64.80	7015	202	2.90
5/09/2018 21:00	66.80	5923	201	3.40
5/09/2018 22:00	67.70	4074	141	3.50
5/09/2018 23:00	67.60	2794	71	2.50
5/10/2018 0:00	66.50	1525	72	4.70
5/10/2018 1:00	66.70	877	35	4.00
5/10/2018 2:00	64.70	604	33	5.50
5/10/2018 3:00	66.40	365	25	6.80
5/10/2018 4:00	68.70	476	10	2.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/10/2018 5:00	67.70	1255	54	4.30
5/10/2018 6:00	64.40	2840	127	4.50
5/10/2018 7:00	67.40	5672	192	3.40
5/10/2018 8:00	64.40	5843	233	4.00
5/10/2018 9:00	64.30	5905	188	3.20
5/10/2018 10:00	64.00	6316	248	3.90
5/10/2018 11:00	62.80	7184	293	4.10
5/10/2018 12:00	62.60	8035	300	3.70
5/10/2018 13:00	61.60	8827	353	4.00
5/10/2018 14:00	54.70	10315	398	3.90
5/10/2018 15:00	41.60	9835	183	1.90
5/10/2018 16:00	33.00	9636	117	1.20
5/10/2018 17:00	32.90	9588	49	0.50
5/10/2018 18:00	59.90	9406	240	2.60
5/10/2018 19:00	64.50	8115	184	2.30
5/10/2018 20:00	62.60	6812	250	3.70
5/10/2018 21:00	65.40	6120	189	3.10
5/10/2018 22:00	67.30	4632	120	2.60
5/10/2018 23:00	67.70	3392	102	3.00
5/11/2018 0:00	69.30	1933	40	2.10
5/11/2018 1:00	68.00	1110	26	2.30
5/11/2018 2:00	68.10	832	23	2.80
5/11/2018 3:00	67.10	456	25	5.50
5/11/2018 4:00	67.10	554	26	4.70
5/11/2018 5:00	67.20	1230	50	4.10
5/11/2018 6:00	64.90	2851	102	3.60
5/11/2018 7:00	64.40	5462	252	4.60
5/11/2018 8:00	64.00	6225	312	5.00
5/11/2018 9:00	64.60	6108	225	3.70
5/11/2018 10:00	64.60	6363	246	3.90
5/11/2018 11:00	60.70	7457	316	4.20
5/11/2018 12:00	61.20	8627	334	3.90
5/11/2018 13:00	57.80	9903	467	4.70
5/11/2018 14:00	41.60	9932	231	2.30
5/11/2018 15:00	28.80	9060	22	0.20
5/11/2018 16:00	28.00	8788	2	0.00
5/11/2018 17:00	31.30	8412	32	0.40
5/11/2018 18:00	65.40	7952	264	3.30
5/11/2018 19:00	62.80	7080	270	3.80
5/11/2018 20:00	62.70	6340	166	2.60
5/11/2018 21:00	66.20	6355	183	2.90
5/11/2018 22:00	67.40	5382	150	2.80
5/11/2018 23:00	67.00	3925	172	4.40
5/12/2018 0:00	69.10	2445	63	2.60
5/12/2018 1:00	69.00	1473	37	2.50
5/12/2018 2:00	68.30	1261	40	3.20
5/12/2018 3:00	68.00	626	8	1.30
5/12/2018 4:00	66.90	515	27	5.20
5/12/2018 5:00	64.70	943	52	5.50
5/12/2018 6:00	67.00	2190	110	5.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/12/2018 7:00	64.50	3490	174	5.00
5/12/2018 8:00	64.90	4142	154	3.70
5/12/2018 9:00	63.90	5063	196	3.90
5/12/2018 10:00	62.70	6090	267	4.40
5/12/2018 11:00	62.60	7644	237	3.10
5/12/2018 12:00	62.40	8273	302	3.70
5/12/2018 13:00	63.60	8144	272	3.30
5/12/2018 14:00	64.00	8820	221	2.50
5/12/2018 15:00	64.70	8750	261	3.00
5/12/2018 16:00	64.00	8815	196	2.20
5/12/2018 17:00	64.10	7908	203	2.60
5/12/2018 18:00	65.00	7248	192	2.60
5/12/2018 19:00	64.40	6658	182	2.70
5/12/2018 20:00	62.00	6318	153	2.40
5/12/2018 21:00	67.90	5967	213	3.60
5/12/2018 22:00	67.30	5525	189	3.40
5/12/2018 23:00	68.10	4099	137	3.30
5/13/2018 0:00	67.60	2772	100	3.60
5/13/2018 1:00	66.80	1725	56	3.20
5/13/2018 2:00	67.40	1351	40	3.00
5/13/2018 3:00	67.80	663	20	3.00
5/13/2018 4:00	69.20	433	8	1.80
5/13/2018 5:00	69.20	629	7	1.10
5/13/2018 6:00	68.10	1116	35	3.10
5/13/2018 7:00	68.90	2200	63	2.90
5/13/2018 8:00	66.20	3550	118	3.30
5/13/2018 9:00	64.20	4489	165	3.70
5/13/2018 10:00	64.30	5487	118	2.20
5/13/2018 11:00	64.40	6670	143	2.10
5/13/2018 12:00	62.90	7864	221	2.80
5/13/2018 13:00	63.40	7781	212	2.70
5/13/2018 14:00	63.10	7749	201	2.60
5/13/2018 15:00	63.60	8014	146	1.80
5/13/2018 16:00	63.00	7701	177	2.30
5/13/2018 17:00	63.60	7409	192	2.60
5/13/2018 18:00	64.10	6756	123	1.80
5/13/2018 19:00	63.30	6688	190	2.80
5/13/2018 20:00	61.90	5751	165	2.90
5/13/2018 21:00	66.70	4591	109	2.40
5/13/2018 22:00	67.30	3420	82	2.40
5/13/2018 23:00	67.50	2197	50	2.30
5/14/2018 0:00	67.50	1382	19	1.40
5/14/2018 1:00	67.60	741	24	3.20
5/14/2018 2:00	66.30	462	16	3.50
5/14/2018 3:00	67.50	324	7	2.20
5/14/2018 4:00	68.80	483	5	1.00
5/14/2018 5:00	67.80	1184	48	4.10
5/14/2018 6:00	66.20	2719	83	3.10
5/14/2018 7:00	67.50	4955	191	3.90
5/14/2018 8:00	66.80	5242	173	3.30



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/14/2018 9:00	64.30	5257	150	2.90
5/14/2018 10:00	64.80	5808	176	3.00
5/14/2018 11:00	65.00	6451	188	2.90
5/14/2018 12:00	63.70	7374	254	3.40
5/14/2018 13:00	64.50	7898	212	2.70
5/14/2018 14:00	62.40	9912	280	2.80
5/14/2018 15:00	54.40	10164	156	1.50
5/14/2018 16:00	52.10	9844	303	3.10
5/14/2018 17:00	56.40	9615	180	1.90
5/14/2018 18:00	65.70	8060	236	2.90
5/14/2018 19:00	67.00	6541	194	3.00
5/14/2018 20:00	64.20	5652	232	4.10
5/14/2018 21:00	68.30	4945	108	2.20
5/14/2018 22:00	65.60	3542	141	4.00
5/14/2018 23:00	66.90	2264	83	3.70
5/15/2018 0:00	66.70	1218	63	5.20
5/15/2018 1:00	68.80	673	7	1.00
5/15/2018 2:00	68.40	469	8	1.70
5/15/2018 3:00	67.50	329	9	2.70
5/15/2018 4:00	67.00	468	27	5.80
5/15/2018 5:00	67.90	1191	52	4.40
5/15/2018 6:00	65.50	2815	148	5.30
5/15/2018 7:00	64.60	5331	227	4.30
5/15/2018 8:00	62.50	5692	202	3.50
5/15/2018 9:00	61.70	5467	232	4.20
5/15/2018 10:00	63.70	6022	240	4.00
5/15/2018 11:00	63.20	6837	227	3.30
5/15/2018 12:00	62.70	7591	283	3.70
5/15/2018 13:00	62.40	8393	328	3.90
5/15/2018 14:00	61.20	9930	346	3.50
5/15/2018 15:00	56.20	10143	257	2.50
5/15/2018 16:00	42.90	9414	114	1.20
5/15/2018 17:00	53.00	9698	266	2.70
5/15/2018 18:00	63.90	8983	259	2.90
5/15/2018 19:00	65.10	7206	196	2.70
5/15/2018 20:00	63.20	6262	186	3.00
5/15/2018 21:00	66.10	5386	189	3.50
5/15/2018 22:00	67.00	3833	117	3.10
5/15/2018 23:00	68.00	2452	72	2.90
5/16/2018 0:00	68.60	1355	45	3.30
5/16/2018 1:00	67.80	785	19	2.40
5/16/2018 2:00	67.90	569	20	3.50
5/16/2018 3:00	68.50	363	13	3.60
5/16/2018 4:00	67.90	492	20	4.10
5/16/2018 5:00	67.40	1189	55	4.60
5/16/2018 6:00	65.50	2779	136	4.90
5/16/2018 7:00	65.90	5256	305	5.80
5/16/2018 8:00	65.50	5900	223	3.80
5/16/2018 9:00	63.80	5814	221	3.80
5/16/2018 10:00	63.80	5985	197	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/16/2018 11:00	63.30	7006	245	3.50
5/16/2018 12:00	63.20	7702	239	3.10
5/16/2018 13:00	61.70	8547	290	3.40
5/16/2018 14:00	59.80	10083	297	2.90
5/16/2018 15:00	52.10	9870	202	2.00
5/16/2018 16:00	31.50	9406	19	0.20
5/16/2018 17:00	43.20	9513	155	1.60
5/16/2018 18:00	47.50	9174	207	2.30
5/16/2018 19:00	64.80	7733	272	3.50
5/16/2018 20:00	64.40	6888	250	3.60
5/16/2018 21:00	68.00	5582	171	3.10
5/16/2018 22:00	68.60	3735	88	2.40
5/16/2018 23:00	68.40	2564	47	1.80
5/17/2018 0:00	67.20	1463	59	4.00
5/17/2018 1:00	67.10	837	34	4.10
5/17/2018 2:00	65.80	596	26	4.40
5/17/2018 3:00	67.90	386	20	5.20
5/17/2018 4:00	68.10	498	25	5.00
5/17/2018 5:00	67.10	1233	58	4.70
5/17/2018 6:00	65.50	2849	130	4.60
5/17/2018 7:00	67.40	5647	210	3.70
5/17/2018 8:00	66.50	5924	194	3.30
5/17/2018 9:00	65.00	5937	207	3.50
5/17/2018 10:00	63.80	6106	220	3.60
5/17/2018 11:00	63.10	6925	281	4.10
5/17/2018 12:00	63.60	7866	235	3.00
5/17/2018 13:00	63.50	8621	265	3.10
5/17/2018 14:00	60.00	10128	389	3.80
5/17/2018 15:00	50.90	9953	244	2.50
5/17/2018 16:00	54.80	9667	215	2.20
5/17/2018 17:00	37.80	9371	34	0.40
5/17/2018 18:00	61.00	8957	226	2.50
5/17/2018 19:00	64.90	7832	203	2.60
5/17/2018 20:00	64.10	6646	203	3.10
5/17/2018 21:00	66.70	5875	161	2.70
5/17/2018 22:00	68.20	4104	101	2.50
5/17/2018 23:00	67.70	2841	91	3.20
5/18/2018 0:00	68.50	1557	23	1.50
5/18/2018 1:00	68.10	992	18	1.80
5/18/2018 2:00	67.00	659	19	2.90
5/18/2018 3:00	68.50	420	11	2.60
5/18/2018 4:00	67.90	503	23	4.60
5/18/2018 5:00	67.60	1198	20	1.70
5/18/2018 6:00	64.70	2813	70	2.50
5/18/2018 7:00	64.60	5118	101	2.00
5/18/2018 8:00	63.50	5479	104	1.90
5/18/2018 9:00	62.60	5585	128	2.30
5/18/2018 10:00	62.70	6113	141	2.30
5/18/2018 11:00	62.80	7083	174	2.50
5/18/2018 12:00	64.00	7815	215	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/18/2018 13:00	62.50	8877	195	2.20
5/18/2018 14:00	60.80	10127	203	2.00
5/18/2018 15:00	60.50	10178	177	1.70
5/18/2018 16:00	58.30	9557	153	1.60
5/18/2018 17:00	63.80	9280	188	2.00
5/18/2018 18:00	66.50	8277	137	1.70
5/18/2018 19:00	66.20	7139	125	1.80
5/18/2018 20:00	63.70	6361	105	1.70
5/18/2018 21:00	68.90	5955	84	1.40
5/18/2018 22:00	69.10	4911	95	1.90
5/18/2018 23:00	69.00	3695	42	1.10
5/19/2018 0:00	69.60	2534	14	0.60
5/19/2018 1:00	69.60	1676	30	1.80
5/19/2018 2:00	69.50	1239	16	1.30
5/19/2018 3:00	68.90	665	13	2.00
5/19/2018 4:00	68.80	521	15	2.90
5/19/2018 5:00	68.10	802	22	2.70
5/19/2018 6:00	70.20	1675	38	2.30
5/19/2018 7:00	67.20	2672	47	1.80
5/19/2018 8:00	65.80	3900	60	1.50
5/19/2018 9:00	65.70	4929	100	2.00
5/19/2018 10:00	65.50	5691	102	1.80
5/19/2018 11:00	64.60	6639	128	1.90
5/19/2018 12:00	65.30	7289	117	1.60
5/19/2018 13:00	64.90	7565	130	1.70
5/19/2018 14:00	65.90	8088	162	2.00
5/19/2018 15:00	66.40	7974	149	1.90
5/19/2018 16:00	66.30	8058	124	1.50
5/19/2018 17:00	65.20	7999	149	1.90
5/19/2018 18:00	65.40	7360	82	1.10
5/19/2018 19:00	65.30	6472	97	1.50
5/19/2018 20:00	64.40	5872	112	1.90
5/19/2018 21:00	70.50	5395	138	2.60
5/19/2018 22:00	70.20	4809	129	2.70
5/19/2018 23:00	69.80	4025	88	2.20
5/20/2018 0:00	69.40	2568	40	1.60
5/20/2018 1:00	68.40	1666	35	2.10
5/20/2018 2:00	69.90	1304	14	1.10
5/20/2018 3:00	69.20	661	7	1.10
5/20/2018 4:00	68.70	461	7	1.50
5/20/2018 5:00	69.30	636	3	0.50
5/20/2018 6:00	68.90	1086	11	1.00
5/20/2018 7:00	69.40	1751	14	0.80
5/20/2018 8:00	67.00	2871	35	1.20
5/20/2018 9:00	66.00	3940	82	2.10
5/20/2018 10:00	65.00	4913	73	1.50
5/20/2018 11:00	64.70	6013	101	1.70
5/20/2018 12:00	63.90	7105	135	1.90
5/20/2018 13:00	63.90	7658	103	1.30
5/20/2018 14:00	64.00	7961	117	1.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/20/2018 15:00	63.60	7998	112	1.40
5/20/2018 16:00	64.50	7829	134	1.70
5/20/2018 17:00	64.10	7214	111	1.50
5/20/2018 18:00	64.50	6494	131	2.00
5/20/2018 19:00	64.70	6074	118	1.90
5/20/2018 20:00	63.40	4903	129	2.60
5/20/2018 21:00	70.00	4061	88	2.20
5/20/2018 22:00	68.30	3083	35	1.10
5/20/2018 23:00	68.60	2219	20	0.90
5/21/2018 0:00	68.40	1295	14	1.10
5/21/2018 1:00	68.80	661	7	1.10
5/21/2018 2:00	68.80	419	9	2.10
5/21/2018 3:00	68.70	368	7	1.90
5/21/2018 4:00	68.60	463	26	5.60
5/21/2018 5:00	67.50	1172	52	4.40
5/21/2018 6:00	68.30	2707	104	3.80
5/21/2018 7:00	68.80	5097	104	2.00
5/21/2018 8:00	66.50	5509	153	2.80
5/21/2018 9:00	65.90	5348	171	3.20
5/21/2018 10:00	66.00	5756	145	2.50
5/21/2018 11:00	65.60	6319	135	2.10
5/21/2018 12:00	65.60	7198	148	2.10
5/21/2018 13:00	64.80	7905	182	2.30
5/21/2018 14:00	63.10	9082	196	2.20
5/21/2018 15:00	59.90	9894	180	1.80
5/21/2018 16:00	42.10	10106	246	2.40
5/21/2018 17:00	56.50	9953	168	1.70
5/21/2018 18:00	65.00	8321	203	2.40
5/21/2018 19:00	68.80	6610	134	2.00
5/21/2018 20:00	66.90	5356	144	2.70
5/21/2018 21:00	69.20	4707	125	2.70
5/21/2018 22:00	69.70	3284	65	2.00
5/21/2018 23:00	67.90	2186	29	1.30
5/22/2018 0:00	68.20	1375	18	1.30
5/22/2018 1:00	68.40	731	9	1.20
5/22/2018 2:00	68.40	497	5	1.00
5/22/2018 3:00	68.80	363	6	1.70
5/22/2018 4:00	68.50	526	12	2.30
5/22/2018 5:00	67.90	1210	33	2.70
5/22/2018 6:00	67.50	2871	58	2.00
5/22/2018 7:00	68.00	5164	124	2.40
5/22/2018 8:00	66.60	5678	176	3.10
5/22/2018 9:00	65.70	5482	117	2.10
5/22/2018 10:00	65.70	5802	137	2.40
5/22/2018 11:00	64.70	6581	152	2.30
5/22/2018 12:00	64.70	7496	139	1.90
5/22/2018 13:00	64.20	8251	168	2.00
5/22/2018 14:00	62.20	9942	168	1.70
5/22/2018 15:00	48.30	10092	158	1.60
5/22/2018 16:00	32.70	9291	19	0.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/22/2018 17:00	40.90	9189	50	0.50
5/22/2018 18:00	60.70	8963	145	1.60
5/22/2018 19:00	66.40	7860	164	2.10
5/22/2018 20:00	66.00	6729	163	2.40
5/22/2018 21:00	69.50	5577	136	2.40
5/22/2018 22:00	63.50	3766	51	1.40
5/22/2018 23:00	68.90	2711	59	2.20
5/23/2018 0:00	68.20	1586	24	1.50
5/23/2018 1:00	68.00	838	21	2.50
5/23/2018 2:00	68.50	547	10	1.80
5/23/2018 3:00	67.90	416	16	3.80
5/23/2018 4:00	68.40	528	12	2.30
5/23/2018 5:00	70.70	1240	27	2.20
5/23/2018 6:00	66.70	2740	78	2.80
5/23/2018 7:00	66.60	5182	117	2.30
5/23/2018 8:00	66.50	5594	145	2.60
5/23/2018 9:00	65.70	5620	149	2.70
5/23/2018 10:00	65.60	5646	152	2.70
5/23/2018 11:00	63.90	6736	164	2.40
5/23/2018 12:00	63.40	7674	201	2.60
5/23/2018 13:00	62.90	8372	210	2.50
5/23/2018 14:00	61.80	10089	153	1.50
5/23/2018 15:00	54.10	10342	280	2.70
5/23/2018 16:00	33.50	9835	155	1.60
5/23/2018 17:00	36.30	9992	173	1.70
5/23/2018 18:00	63.60	9291	177	1.90
5/23/2018 19:00	67.10	7420	131	1.80
5/23/2018 20:00	62.90	6785	141	2.10
5/23/2018 21:00	70.40	5607	117	2.10
5/23/2018 22:00	70.00	3898	99	2.50
5/23/2018 23:00	69.70	2628	48	1.80
5/24/2018 0:00	70.30	1530	25	1.60
5/24/2018 1:00	68.70	899	14	1.60
5/24/2018 2:00	68.20	645	12	1.90
5/24/2018 3:00	68.60	375	13	3.50
5/24/2018 4:00	68.30	554	20	3.60
5/24/2018 5:00	69.30	1206	34	2.80
5/24/2018 6:00	67.40	2727	67	2.50
5/24/2018 7:00	67.30	5117	82	1.60
5/24/2018 8:00	66.50	5625	161	2.90
5/24/2018 9:00	65.70	5539	136	2.50
5/24/2018 10:00	66.20	5771	167	2.90
5/24/2018 11:00	64.30	6450	127	2.00
5/24/2018 12:00	64.20	7343	164	2.20
5/24/2018 13:00	63.30	8356	210	2.50
5/24/2018 14:00	61.20	9990	263	2.60
5/24/2018 15:00	58.80	10414	198	1.90
5/24/2018 16:00	42.10	9967	338	3.40
5/24/2018 17:00	53.20	9781	141	1.40
5/24/2018 18:00	64.50	9203	214	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/24/2018 19:00	66.20	7648	131	1.70
5/24/2018 20:00	65.90	6246	152	2.40
5/24/2018 21:00	70.80	5523	108	2.00
5/24/2018 22:00	69.60	4087	94	2.30
5/24/2018 23:00	67.40	2792	62	2.20
5/25/2018 0:00	67.30	1634	32	2.00
5/25/2018 1:00	67.70	1000	22	2.20
5/25/2018 2:00	67.90	701	22	3.10
5/25/2018 3:00	68.40	464	14	3.00
5/25/2018 4:00	68.50	537	13	2.40
5/25/2018 5:00	68.60	1175	32	2.70
5/25/2018 6:00	66.10	2783	74	2.70
5/25/2018 7:00	67.70	5076	126	2.50
5/25/2018 8:00	67.30	5517	163	3.00
5/25/2018 9:00	65.40	5486	177	3.20
5/25/2018 10:00	65.30	6293	165	2.60
5/25/2018 11:00	64.60	7292	150	2.10
5/25/2018 12:00	63.60	8422	209	2.50
5/25/2018 13:00	61.80	9309	233	2.50
5/25/2018 14:00	60.40	10278	324	3.20
5/25/2018 15:00	56.80	9832	151	1.50
5/25/2018 16:00	51.50	9762	209	2.10
5/25/2018 17:00	61.80	9236	215	2.30
5/25/2018 18:00	66.30	7993	153	1.90
5/25/2018 19:00	66.90	6997	141	2.00
5/25/2018 20:00	64.60	6457	132	2.00
5/25/2018 21:00	68.60	5893	156	2.60
5/25/2018 22:00	68.20	5203	130	2.50
5/25/2018 23:00	68.60	3803	73	1.90
5/26/2018 0:00	67.50	2464	61	2.50
5/26/2018 1:00	67.00	1550	22	1.40
5/26/2018 2:00	68.40	1151	23	2.00
5/26/2018 3:00	68.80	802	21	2.60
5/26/2018 4:00	68.60	705	28	4.00
5/26/2018 5:00	67.90	846	26	3.10
5/26/2018 6:00	67.90	1543	51	3.30
5/26/2018 7:00	68.30	2445	55	2.20
5/26/2018 8:00	67.40	3597	71	2.00
5/26/2018 9:00	67.30	4681	86	1.80
5/26/2018 10:00	67.20	5470	100	1.80
5/26/2018 11:00	65.50	6521	112	1.70
5/26/2018 12:00	65.70	7024	157	2.20
5/26/2018 13:00	65.10	7145	132	1.80
5/26/2018 14:00	65.00	7735	138	1.80
5/26/2018 15:00	65.60	7700	106	1.40
5/26/2018 16:00	66.20	7853	112	1.40
5/26/2018 17:00	65.80	7514	113	1.50
5/26/2018 18:00	66.10	7012	108	1.50
5/26/2018 19:00	66.80	6201	85	1.40
5/26/2018 20:00	64.70	5442	101	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/26/2018 21:00	61.50	5639	170	3.00
5/26/2018 22:00	68.70	4856	95	2.00
5/26/2018 23:00	68.80	3639	70	1.90
5/27/2018 0:00	68.60	2478	57	2.30
5/27/2018 1:00	68.40	1604	39	2.40
5/27/2018 2:00	68.80	1228	21	1.70
5/27/2018 3:00	68.70	742	19	2.60
5/27/2018 4:00	69.10	660	12	1.80
5/27/2018 5:00	68.60	664	8	1.20
5/27/2018 6:00	68.20	1021	14	1.40
5/27/2018 7:00	68.40	1653	36	2.20
5/27/2018 8:00	67.70	2605	41	1.60
5/27/2018 9:00	66.20	3747	76	2.00
5/27/2018 10:00	66.10	4643	70	1.50
5/27/2018 11:00	65.50	5500	72	1.30
5/27/2018 12:00	65.40	6398	110	1.70
5/27/2018 13:00	64.80	6422	101	1.60
5/27/2018 14:00	64.80	7219	111	1.50
5/27/2018 15:00	64.80	7403	124	1.70
5/27/2018 16:00	65.10	7280	124	1.70
5/27/2018 17:00	63.20	7700	81	1.10
5/27/2018 18:00	65.10	6718	86	1.30
5/27/2018 19:00	64.60	6359	83	1.30
5/27/2018 20:00	63.40	5720	100	1.70
5/27/2018 21:00	66.10	5214	70	1.30
5/27/2018 22:00	66.30	4370	48	1.10
5/27/2018 23:00	66.80	3138	43	1.40
5/28/2018 0:00	67.60	1960	27	1.40
5/28/2018 1:00	67.70	1218	13	1.10
5/28/2018 2:00	68.40	931	25	2.70
5/28/2018 3:00	69.00	548	14	2.60
5/28/2018 4:00	69.20	436	8	1.80
5/28/2018 5:00	69.20	631	8	1.30
5/28/2018 6:00	67.70	1123	33	2.90
5/28/2018 7:00	68.20	1880	29	1.50
5/28/2018 8:00	67.50	2620	56	2.10
5/28/2018 9:00	67.00	3673	46	1.30
5/28/2018 10:00	67.20	4614	72	1.60
5/28/2018 11:00	66.80	5490	85	1.50
5/28/2018 12:00	66.20	6301	98	1.60
5/28/2018 13:00	67.20	6819	93	1.40
5/28/2018 14:00	66.20	7296	116	1.60
5/28/2018 15:00	66.50	7284	129	1.80
5/28/2018 16:00	67.50	7250	99	1.40
5/28/2018 17:00	67.30	6963	85	1.20
5/28/2018 18:00	67.30	6348	78	1.20
5/28/2018 19:00	66.90	5552	98	1.80
5/28/2018 20:00	66.70	4786	95	2.00
5/28/2018 21:00	69.10	4371	103	2.40
5/28/2018 22:00	69.30	3508	60	1.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/28/2018 23:00	68.20	2874	38	1.30
5/29/2018 0:00	68.80	1344	16	1.20
5/29/2018 1:00	68.80	660	7	1.10
5/29/2018 2:00	68.40	472	18	3.80
5/29/2018 3:00	68.80	339	7	2.10
5/29/2018 4:00	68.50	466	11	2.40
5/29/2018 5:00	68.70	1165	26	2.20
5/29/2018 6:00	67.30	2858	88	3.10
5/29/2018 7:00	67.50	5077	139	2.70
5/29/2018 8:00	65.60	5660	111	2.00
5/29/2018 9:00	65.50	5519	178	3.20
5/29/2018 10:00	65.30	5886	115	2.00
5/29/2018 11:00	65.20	6612	99	1.50
5/29/2018 12:00	64.90	7347	136	1.90
5/29/2018 13:00	63.70	8041	192	2.40
5/29/2018 14:00	61.90	9955	179	1.80
5/29/2018 15:00	58.60	10534	245	2.30
5/29/2018 16:00	49.90	10369	155	1.50
5/29/2018 17:00	44.90	10144	139	1.40
5/29/2018 18:00	64.30	8819	181	2.10
5/29/2018 19:00	66.70	6581	122	1.90
5/29/2018 20:00	65.60	5299	99	1.90
5/29/2018 21:00	69.90	4584	85	1.90
5/29/2018 22:00	69.10	3398	77	2.30
5/29/2018 23:00	68.60	2279	47	2.10
5/30/2018 0:00	69.30	1288	19	1.50
5/30/2018 1:00	68.30	709	14	2.00
5/30/2018 2:00	67.90	526	15	2.90
5/30/2018 3:00	68.50	375	15	4.00
5/30/2018 4:00	68.40	482	6	1.20
5/30/2018 5:00	67.50	1201	29	2.40
5/30/2018 6:00	65.40	2792	73	2.60
5/30/2018 7:00	67.10	5192	124	2.40
5/30/2018 8:00	66.60	5456	150	2.70
5/30/2018 9:00	65.20	5416	117	2.20
5/30/2018 10:00	65.00	5736	132	2.30
5/30/2018 11:00	64.60	6658	166	2.50
5/30/2018 12:00	63.80	7469	170	2.30
5/30/2018 13:00	63.40	8144	152	1.90
5/30/2018 14:00	62.90	9694	239	2.50
5/30/2018 15:00	58.30	10201	205	2.00
5/30/2018 16:00	56.10	9733	78	0.80
5/30/2018 17:00	60.60	10025	165	1.60
5/30/2018 18:00	63.50	9070	176	1.90
5/30/2018 19:00	66.60	7380	135	1.80
5/30/2018 20:00	65.50	6346	148	2.30
5/30/2018 21:00	69.00	5214	135	2.60
5/30/2018 22:00	69.30	3711	64	1.70
5/30/2018 23:00	68.20	2344	28	1.20
5/31/2018 0:00	68.60	1382	19	1.40



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/31/2018 1:00	69.00	820	13	1.60
5/31/2018 2:00	68.70	574	16	2.80
5/31/2018 3:00	68.90	356	11	3.10
5/31/2018 4:00	67.10	500	26	5.20
5/31/2018 5:00	67.40	1217	46	3.80
5/31/2018 6:00	65.00	2810	123	4.40
5/31/2018 7:00	66.10	5179	163	3.10
5/31/2018 8:00	65.60	5592	180	3.20
5/31/2018 9:00	65.20	5525	156	2.80
5/31/2018 10:00	54.90	5795	391	6.70
5/31/2018 11:00	62.10	6534	136	2.10
5/31/2018 12:00	64.60	7511	189	2.50
5/31/2018 13:00	63.20	8455	201	2.40
5/31/2018 14:00	61.30	9980	242	2.40
5/31/2018 15:00	45.30	10038	177	1.80
5/31/2018 16:00	29.80	9152	13	0.10
5/31/2018 17:00	31.40	8864	186	2.10
5/31/2018 18:00	46.60	9343	205	2.20
5/31/2018 19:00	66.70	7380	120	1.60
5/31/2018 20:00	65.60	6143	122	2.00
5/31/2018 21:00	68.00	5771	129	2.20
5/31/2018 22:00	69.50	3935	81	2.10
5/31/2018 23:00	68.60	2724	29	1.10
6/01/2018 0:00	67.20	1517	26	1.70
6/01/2018 1:00	67.80	979	10	1.00
6/01/2018 2:00	68.10	653	16	2.50
6/01/2018 3:00	68.20	417	11	2.60
6/01/2018 4:00	68.50	510	9	1.80
6/01/2018 5:00	67.50	1174	35	3.00
6/01/2018 6:00	64.90	2845	81	2.80
6/01/2018 7:00	65.90	5279	110	2.10
6/01/2018 8:00	66.70	5669	151	2.70
6/01/2018 9:00	65.00	5763	117	2.00
6/01/2018 10:00	65.70	6273	139	2.20
6/01/2018 11:00	63.90	7220	123	1.70
6/01/2018 12:00	63.90	8240	158	1.90
6/01/2018 13:00	62.50	9078	227	2.50
6/01/2018 14:00	50.00	9765	159	1.60
6/01/2018 15:00	30.40	8986	26	0.30
6/01/2018 16:00	59.20	9412	154	1.60
6/01/2018 17:00	62.30	9364	120	1.30
6/01/2018 18:00	65.20	8064	154	1.90
6/01/2018 19:00	66.10	7537	123	1.60
6/01/2018 20:00	64.40	6775	118	1.70
6/01/2018 21:00	67.50	6665	104	1.60
6/01/2018 22:00	67.80	5332	100	1.90
6/01/2018 23:00	66.60	3991	95	2.40
6/02/2018 0:00	67.60	2547	64	2.50
6/02/2018 1:00	68.00	1567	34	2.20
6/02/2018 2:00	69.00	1198	19	1.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/02/2018 3:00	68.20	672	6	0.90
6/02/2018 4:00	68.20	483	12	2.50
6/02/2018 5:00	68.40	763	19	2.50
6/02/2018 6:00	67.20	1548	32	2.10
6/02/2018 7:00	67.50	2667	80	3.00
6/02/2018 8:00	67.20	3883	97	2.50
6/02/2018 9:00	66.40	4993	78	1.60
6/02/2018 10:00	66.40	5931	104	1.80
6/02/2018 11:00	65.80	7002	81	1.20
6/02/2018 12:00	64.80	7730	134	1.70
6/02/2018 13:00	65.00	7782	129	1.70
6/02/2018 14:00	64.30	8081	100	1.20
6/02/2018 15:00	64.30	8245	87	1.10
6/02/2018 16:00	65.50	8057	122	1.50
6/02/2018 17:00	65.20	8165	113	1.40
6/02/2018 18:00	65.60	7610	100	1.30
6/02/2018 19:00	65.20	7042	117	1.70
6/02/2018 20:00	64.30	6571	115	1.80
6/02/2018 21:00	67.20	6398	100	1.60
6/02/2018 22:00	67.90	5145	101	2.00
6/02/2018 23:00	67.10	4148	57	1.40
6/03/2018 0:00	66.80	2599	46	1.80
6/03/2018 1:00	66.40	1545	26	1.70
6/03/2018 2:00	68.00	1233	26	2.10
6/03/2018 3:00	69.30	715	13	1.80
6/03/2018 4:00	68.70	520	6	1.20
6/03/2018 5:00	68.20	917	14	1.50
6/03/2018 6:00	66.40	1808	38	2.10
6/03/2018 7:00	67.90	2384	26	1.10
6/03/2018 8:00	65.90	3418	58	1.70
6/03/2018 9:00	64.60	4700	59	1.30
6/03/2018 10:00	64.60	5706	65	1.10
6/03/2018 11:00	64.20	6031	80	1.30
6/03/2018 12:00	62.40	7223	118	1.60
6/03/2018 13:00	62.50	7611	126	1.70
6/03/2018 14:00	63.90	7711	97	1.30
6/03/2018 15:00	64.10	7849	75	1.00
6/03/2018 16:00	64.00	7495	87	1.20
6/03/2018 17:00	65.00	6554	79	1.20
6/03/2018 18:00	66.00	5926	68	1.10
6/03/2018 19:00	64.50	5996	77	1.30
6/03/2018 20:00	64.40	5316	74	1.40
6/03/2018 21:00	67.00	4584	56	1.20
6/03/2018 22:00	67.30	3340	60	1.80
6/03/2018 23:00	67.50	2496	44	1.80
6/04/2018 0:00	68.70	1349	27	2.00
6/04/2018 1:00	68.80	705	9	1.30
6/04/2018 2:00	67.70	460	8	1.70
6/04/2018 3:00	68.40	377	6	1.60
6/04/2018 4:00	68.10	498	11	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/04/2018 5:00	67.20	1226	23	1.90
6/04/2018 6:00	67.40	2743	97	3.50
6/04/2018 7:00	68.90	5130	130	2.50
6/04/2018 8:00	66.20	5501	141	2.60
6/04/2018 9:00	63.60	5385	106	2.00
6/04/2018 10:00	64.70	5695	115	2.00
6/04/2018 11:00	64.70	6556	110	1.70
6/04/2018 12:00	63.50	7206	134	1.90
6/04/2018 13:00	63.00	7863	181	2.30
6/04/2018 14:00	60.30	9491	193	2.00
6/04/2018 15:00	37.50	9513	161	1.70
6/04/2018 16:00	27.00	9084	39	0.40
6/04/2018 17:00	30.90	9463	133	1.40
6/04/2018 18:00	50.80	8501	157	1.80
6/04/2018 19:00	66.00	6911	121	1.80
6/04/2018 20:00	65.10	5556	101	1.80
6/04/2018 21:00	67.00	4866	52	1.10
6/04/2018 22:00	67.10	3568	69	1.90
6/04/2018 23:00	66.90	2190	59	2.70
6/05/2018 0:00	68.40	1382	28	2.00
6/05/2018 1:00	67.10	771	18	2.30
6/05/2018 2:00	67.90	525	7	1.30
6/05/2018 3:00	67.60	354	27	7.60
6/05/2018 4:00	68.40	502	16	3.20
6/05/2018 5:00	67.80	1250	45	3.60
6/05/2018 6:00	66.70	2838	49	1.70
6/05/2018 7:00	67.60	5226	112	2.10
6/05/2018 8:00	66.70	5521	121	2.20
6/05/2018 9:00	65.60	5533	140	2.50
6/05/2018 10:00	64.90	5856	187	3.20
6/05/2018 11:00	64.80	6569	149	2.30
6/05/2018 12:00	64.60	7490	184	2.50
6/05/2018 13:00	63.60	8299	159	1.90
6/05/2018 14:00	59.80	9979	270	2.70
6/05/2018 15:00	42.10	9736	95	1.00
6/05/2018 16:00	31.20	9496	62	0.70
6/05/2018 17:00	29.50	9279	31	0.30
6/05/2018 18:00	50.80	8923	210	2.40
6/05/2018 19:00	67.20	7193	111	1.50
6/05/2018 20:00	67.00	6190	126	2.00
6/05/2018 21:00	67.00	5377	69	1.30
6/05/2018 22:00	68.10	3816	36	0.90
6/05/2018 23:00	67.30	2612	67	2.60
6/06/2018 0:00	68.90	1400	22	1.60
6/06/2018 1:00	68.30	794	18	2.30
6/06/2018 2:00	67.10	578	22	3.80
6/06/2018 3:00	68.60	415	7	1.70
6/06/2018 4:00	68.80	518	11	2.10
6/06/2018 5:00	68.90	1251	34	2.70
6/06/2018 6:00	68.00	2716	92	3.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/06/2018 7:00	67.90	5343	137	2.60
6/06/2018 8:00	67.00	5668	106	1.90
6/06/2018 9:00	65.40	5418	145	2.70
6/06/2018 10:00	65.10	5929	108	1.80
6/06/2018 11:00	64.80	6666	138	2.10
6/06/2018 12:00	64.40	7598	181	2.40
6/06/2018 13:00	63.70	8501	169	2.00
6/06/2018 14:00	61.90	9815	185	1.90
6/06/2018 15:00	49.40	10008	229	2.30
6/06/2018 16:00	42.70	9581	138	1.40
6/06/2018 17:00	35.00	9384	36	0.40
6/06/2018 18:00	47.70	9129	116	1.30
6/06/2018 19:00	67.30	7320	103	1.40
6/06/2018 20:00	65.90	6695	91	1.40
6/06/2018 21:00	65.80	5690	119	2.10
6/06/2018 22:00	67.50	4056	95	2.30
6/06/2018 23:00	68.70	2669	41	1.50
6/07/2018 0:00	69.40	1492	24	1.60
6/07/2018 1:00	69.40	895	19	2.10
6/07/2018 2:00	68.70	588	10	1.70
6/07/2018 3:00	68.30	417	15	3.60
6/07/2018 4:00	68.80	507	13	2.60
6/07/2018 5:00	68.00	1258	58	4.60
6/07/2018 6:00	67.50	2965	98	3.30
6/07/2018 7:00	68.00	5404	126	2.30
6/07/2018 8:00	67.20	5808	151	2.60
6/07/2018 9:00	66.00	5612	122	2.20
6/07/2018 10:00	65.00	5861	204	3.50
6/07/2018 11:00	66.30	6639	107	1.60
6/07/2018 12:00	64.00	7565	181	2.40
6/07/2018 13:00	62.90	8597	223	2.60
6/07/2018 14:00	61.60	9906	216	2.20
6/07/2018 15:00	40.40	9551	122	1.30
6/07/2018 16:00	32.70	9447	185	2.00
6/07/2018 17:00	33.50	9289	111	1.20
6/07/2018 18:00	60.30	9294	246	2.60
6/07/2018 19:00	66.50	7371	135	1.80
6/07/2018 20:00	63.70	6365	135	2.10
6/07/2018 21:00	59.00	5657	83	1.50
6/07/2018 22:00	68.30	4343	83	1.90
6/07/2018 23:00	68.40	2857	49	1.70
6/08/2018 0:00	68.10	1648	16	1.00
6/08/2018 1:00	68.00	1036	14	1.40
6/08/2018 2:00	68.10	707	20	2.80
6/08/2018 3:00	68.40	448	15	3.30
6/08/2018 4:00	68.40	537	13	2.40
6/08/2018 5:00	67.60	1202	31	2.60
6/08/2018 6:00	65.20	2809	72	2.60
6/08/2018 7:00	66.30	5257	117	2.20
6/08/2018 8:00	65.80	5702	159	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/08/2018 9:00	64.70	5768	142	2.50
6/08/2018 10:00	64.90	6293	168	2.70
6/08/2018 11:00	63.40	7252	171	2.40
6/08/2018 12:00	63.20	8264	205	2.50
6/08/2018 13:00	61.50	9274	234	2.50
6/08/2018 14:00	55.60	10050	193	1.90
6/08/2018 15:00	45.40	9505	20	0.20
6/08/2018 16:00	54.60	9423	186	2.00
6/08/2018 17:00	61.30	9168	198	2.20
6/08/2018 18:00	66.20	8070	167	2.10
6/08/2018 19:00	65.90	7174	164	2.30
6/08/2018 20:00	63.90	6489	117	1.80
6/08/2018 21:00	67.60	6216	129	2.10
6/08/2018 22:00	68.20	5225	111	2.10
6/08/2018 23:00	67.80	3878	72	1.90
6/09/2018 0:00	68.80	2601	47	1.80
6/09/2018 1:00	69.00	1588	24	1.50
6/09/2018 2:00	68.50	1185	18	1.50
6/09/2018 3:00	68.80	695	18	2.60
6/09/2018 4:00	68.60	500	19	3.80
6/09/2018 5:00	69.20	829	17	2.10
6/09/2018 6:00	70.40	1583	45	2.80
6/09/2018 7:00	69.10	2705	49	1.80
6/09/2018 8:00	67.70	3935	76	1.90
6/09/2018 9:00	66.50	4726	74	1.60
6/09/2018 10:00	65.40	5222	75	1.40
6/09/2018 11:00	31.60	6358	194	3.10
6/09/2018 12:00	64.40	7302	114	1.60
6/09/2018 13:00	64.40	7921	108	1.40
6/09/2018 14:00	63.80	8161	107	1.30
6/09/2018 15:00	64.50	8392	99	1.20
6/09/2018 16:00	62.30	8196	123	1.50
6/09/2018 17:00	64.40	7782	150	1.90
6/09/2018 18:00	65.60	7347	105	1.40
6/09/2018 19:00	66.00	6813	89	1.30
6/09/2018 20:00	63.60	6506	92	1.40
6/09/2018 21:00	66.40	6373	94	1.50
6/09/2018 22:00	68.20	5500	102	1.90
6/09/2018 23:00	68.80	3914	48	1.20
6/10/2018 0:00	67.70	2580	39	1.50
6/10/2018 1:00	69.10	1583	19	1.20
6/10/2018 2:00	68.80	1339	19	1.40
6/10/2018 3:00	68.90	699	8	1.10
6/10/2018 4:00	68.80	445	20	4.50
6/10/2018 5:00	69.20	649	10	1.50
6/10/2018 6:00	69.60	1268	19	1.50
6/10/2018 7:00	68.80	2002	36	1.80
6/10/2018 8:00	67.90	3082	48	1.60
6/10/2018 9:00	66.40	4098	71	1.70
6/10/2018 10:00	66.00	5191	66	1.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/10/2018 11:00	65.90	6087	63	1.00
6/10/2018 12:00	64.40	6912	99	1.40
6/10/2018 13:00	65.00	7335	94	1.30
6/10/2018 14:00	64.70	7687	119	1.50
6/10/2018 15:00	63.30	7818	152	1.90
6/10/2018 16:00	64.00	7774	164	2.10
6/10/2018 17:00	64.60	7493	100	1.30
6/10/2018 18:00	64.90	7058	91	1.30
6/10/2018 19:00	64.70	6815	101	1.50
6/10/2018 20:00	64.20	5825	86	1.50
6/10/2018 21:00	66.90	4776	86	1.80
6/10/2018 22:00	66.20	3754	70	1.90
6/10/2018 23:00	68.30	2524	59	2.30
6/11/2018 0:00	67.90	1472	29	2.00
6/11/2018 1:00	68.30	747	10	1.30
6/11/2018 2:00	68.20	515	9	1.70
6/11/2018 3:00	68.30	368	12	3.30
6/11/2018 4:00	68.50	439	5	1.10
6/11/2018 5:00	68.10	1264	38	3.00
6/11/2018 6:00	67.30	2723	63	2.30
6/11/2018 7:00	69.60	4961	100	2.00
6/11/2018 8:00	66.60	5496	121	2.20
6/11/2018 9:00	64.50	5436	128	2.40
6/11/2018 10:00	63.80	5657	115	2.00
6/11/2018 11:00	64.50	6685	119	1.80
6/11/2018 12:00	63.00	7331	143	2.00
6/11/2018 13:00	63.40	8180	161	2.00
6/11/2018 14:00	61.80	9458	165	1.70
6/11/2018 15:00	53.70	10025	127	1.30
6/11/2018 16:00	36.10	9483	33	0.30
6/11/2018 17:00	32.30	9614	79	0.80
6/11/2018 18:00	52.50	8768	135	1.50
6/11/2018 19:00	65.90	6817	98	1.40
6/11/2018 20:00	64.70	6104	105	1.70
6/11/2018 21:00	67.20	5062	60	1.20
6/11/2018 22:00	67.80	3582	56	1.60
6/11/2018 23:00	68.40	2322	38	1.60
6/12/2018 0:00	68.30	1375	24	1.70
6/12/2018 1:00	68.20	672	12	1.80
6/12/2018 2:00	68.40	472	10	2.10
6/12/2018 3:00	68.10	341	7	2.10
6/12/2018 4:00	68.60	473	23	4.90
6/12/2018 5:00	68.50	1257	38	3.00
6/12/2018 6:00	67.00	2828	75	2.70
6/12/2018 7:00	68.80	5211	126	2.40
6/12/2018 8:00	66.20	5585	143	2.60
6/12/2018 9:00	64.80	5771	141	2.40
6/12/2018 10:00	65.50	5986	118	2.00
6/12/2018 11:00	64.70	7000	81	1.20
6/12/2018 12:00	63.50	7548	166	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/12/2018 13:00	63.60	8606	200	2.30
6/12/2018 14:00	62.30	9809	192	2.00
6/12/2018 15:00	50.80	9820	154	1.60
6/12/2018 16:00	29.10	9108	38	0.40
6/12/2018 17:00	27.70	8943	55	0.60
6/12/2018 18:00	61.30	9135	139	1.50
6/12/2018 19:00	66.50	7710	118	1.50
6/12/2018 20:00	65.90	6609	104	1.60
6/12/2018 21:00	66.00	5703	127	2.20
6/12/2018 22:00	67.30	4076	69	1.70
6/12/2018 23:00	68.50	2754	63	2.30
6/13/2018 0:00	68.90	1521	14	0.90
6/13/2018 1:00	69.10	759	8	1.10
6/13/2018 2:00	68.90	519	9	1.70
6/13/2018 3:00	68.40	347	10	2.90
6/13/2018 4:00	68.30	473	24	5.10
6/13/2018 5:00	69.00	1214	40	3.30
6/13/2018 6:00	68.00	2772	84	3.00
6/13/2018 7:00	66.80	5031	121	2.40
6/13/2018 8:00	65.20	5615	171	3.00
6/13/2018 9:00	64.10	5536	149	2.70
6/13/2018 10:00	65.60	5789	134	2.30
6/13/2018 11:00	63.20	7061	139	2.00
6/13/2018 12:00	62.70	7762	179	2.30
6/13/2018 13:00	62.70	8532	182	2.10
6/13/2018 14:00	59.30	9862	276	2.80
6/13/2018 15:00	57.90	10035	179	1.80
6/13/2018 16:00	33.90	9475	161	1.70
6/13/2018 17:00	35.70	9763	197	2.00
6/13/2018 18:00	54.00	9389	227	2.40
6/13/2018 19:00	64.40	8230	125	1.50
6/13/2018 20:00	63.70	7118	123	1.70
6/13/2018 21:00	67.10	5458	55	1.00
6/13/2018 22:00	67.30	4215	45	1.10
6/13/2018 23:00	68.60	2862	7	0.20
6/14/2018 0:00	68.70	1466	5	0.30
6/14/2018 1:00	68.10	833	10	1.20
6/14/2018 2:00	68.30	646	11	1.70
6/14/2018 3:00	68.20	387	6	1.60
6/14/2018 4:00	68.40	477	10	2.10
6/14/2018 5:00	68.80	1220	40	3.30
6/14/2018 6:00	67.40	2729	90	3.30
6/14/2018 7:00	67.40	4989	100	2.00
6/14/2018 8:00	65.50	5754	132	2.30
6/14/2018 9:00	65.40	5392	154	2.90
6/14/2018 10:00	64.90	5978	136	2.30
6/14/2018 11:00	64.40	6858	134	2.00
6/14/2018 12:00	63.60	7553	152	2.00
6/14/2018 13:00	62.60	8505	183	2.20
6/14/2018 14:00	61.20	9767	191	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/14/2018 15:00	48.30	9978	129	1.30
6/14/2018 16:00	43.80	8999	77	0.90
6/14/2018 17:00	57.60	10070	180	1.80
6/14/2018 18:00	62.00	9346	169	1.80
6/14/2018 19:00	64.10	7927	171	2.20
6/14/2018 20:00	63.70	6662	134	2.00
6/14/2018 21:00	65.50	5994	87	1.50
6/14/2018 22:00	66.30	4403	93	2.10
6/14/2018 23:00	68.70	2961	61	2.10
6/15/2018 0:00	69.80	1793	10	0.60
6/15/2018 1:00	69.20	1019	20	2.00
6/15/2018 2:00	68.80	723	14	1.90
6/15/2018 3:00	69.00	421	5	1.20
6/15/2018 4:00	68.20	516	18	3.50
6/15/2018 5:00	68.90	1252	22	1.80
6/15/2018 6:00	68.40	2690	63	2.30
6/15/2018 7:00	67.70	4688	107	2.30
6/15/2018 8:00	66.80	5505	126	2.30
6/15/2018 9:00	65.30	5672	164	2.90
6/15/2018 10:00	65.30	6342	147	2.30
6/15/2018 11:00	63.40	7389	148	2.00
6/15/2018 12:00	63.10	8213	185	2.30
6/15/2018 13:00	62.70	8980	237	2.60
6/15/2018 14:00	59.30	10085	284	2.80
6/15/2018 15:00	46.20	9680	88	0.90
6/15/2018 16:00	36.60	9859	271	2.70
6/15/2018 17:00	40.30	9417	509	5.40
6/15/2018 18:00	63.30	8461	145	1.70
6/15/2018 19:00	66.70	7441	141	1.90
6/15/2018 20:00	64.80	7037	99	1.40
6/15/2018 21:00	68.60	6510	123	1.90
6/15/2018 22:00	69.30	5583	125	2.20
6/15/2018 23:00	69.00	4327	59	1.40
6/16/2018 0:00	68.00	2781	19	0.70
6/16/2018 1:00	67.50	1669	18	1.10
6/16/2018 2:00	68.80	1261	25	2.00
6/16/2018 3:00	69.80	714	7	1.00
6/16/2018 4:00	68.70	578	14	2.40
6/16/2018 5:00	68.90	871	18	2.10
6/16/2018 6:00	68.00	1569	41	2.60
6/16/2018 7:00	68.00	2606	60	2.30
6/16/2018 8:00	68.10	4017	94	2.30
6/16/2018 9:00	65.10	4953	62	1.30
6/16/2018 10:00	65.10	5993	78	1.30
6/16/2018 11:00	65.00	6830	114	1.70
6/16/2018 12:00	64.30	7642	107	1.40
6/16/2018 13:00	64.80	7557	83	1.10
6/16/2018 14:00	64.10	8371	106	1.30
6/16/2018 15:00	63.30	8438	121	1.40
6/16/2018 16:00	62.80	8427	162	1.90



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/16/2018 17:00	64.10	7848	113	1.40
6/16/2018 18:00	64.10	6939	128	1.80
6/16/2018 19:00	65.50	6516	114	1.70
6/16/2018 20:00	64.20	5979	131	2.20
6/16/2018 21:00	67.50	6034	91	1.50
6/16/2018 22:00	67.70	5274	73	1.40
6/16/2018 23:00	67.60	3905	67	1.70
6/17/2018 0:00	69.10	2459	42	1.70
6/17/2018 1:00	69.30	1490	17	1.10
6/17/2018 2:00	69.30	1219	16	1.30
6/17/2018 3:00	68.80	712	8	1.10
6/17/2018 4:00	69.20	484	6	1.20
6/17/2018 5:00	69.20	605	7	1.20
6/17/2018 6:00	68.90	1195	19	1.60
6/17/2018 7:00	68.10	1908	31	1.60
6/17/2018 8:00	69.10	2678	25	0.90
6/17/2018 9:00	67.80	3811	68	1.80
6/17/2018 10:00	67.30	5198	75	1.40
6/17/2018 11:00	66.30	5897	80	1.40
6/17/2018 12:00	65.00	6703	117	1.70
6/17/2018 13:00	65.00	7075	81	1.10
6/17/2018 14:00	65.00	7432	111	1.50
6/17/2018 15:00	65.30	7494	104	1.40
6/17/2018 16:00	65.30	7311	112	1.50
6/17/2018 17:00	65.60	7011	100	1.40
6/17/2018 18:00	65.40	6571	96	1.50
6/17/2018 19:00	65.10	6326	78	1.20
6/17/2018 20:00	64.90	5885	99	1.70
6/17/2018 21:00	67.20	4784	65	1.40
6/17/2018 22:00	69.10	3819	81	2.10
6/17/2018 23:00	68.70	2651	46	1.70
6/18/2018 0:00	67.70	1543	27	1.70
6/18/2018 1:00	68.80	717	4	0.60
6/18/2018 2:00	68.60	462	6	1.30
6/18/2018 3:00	69.00	333	4	1.20
6/18/2018 4:00	68.00	515	16	3.10
6/18/2018 5:00	68.30	1261	37	2.90
6/18/2018 6:00	68.50	2544	61	2.40
6/18/2018 7:00	67.70	4555	127	2.80
6/18/2018 8:00	66.00	5376	133	2.50
6/18/2018 9:00	64.70	5278	147	2.80
6/18/2018 10:00	64.40	5743	126	2.20
6/18/2018 11:00	63.80	6732	123	1.80
6/18/2018 12:00	62.80	7350	172	2.30
6/18/2018 13:00	62.80	7965	157	2.00
6/18/2018 14:00	61.80	9430	176	1.90
6/18/2018 15:00	58.10	10282	238	2.30
6/18/2018 16:00	49.80	10068	172	1.70
6/18/2018 17:00	42.00	9994	242	2.40
6/18/2018 18:00	55.90	8788	255	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/18/2018 19:00	67.10	6808	112	1.60
6/18/2018 20:00	65.90	5957	84	1.40
6/18/2018 21:00	67.10	5106	96	1.90
6/18/2018 22:00	69.20	3522	53	1.50
6/18/2018 23:00	66.80	2411	52	2.20
6/19/2018 0:00	69.00	1349	18	1.30
6/19/2018 1:00	68.60	682	18	2.60
6/19/2018 2:00	67.40	517	14	2.70
6/19/2018 3:00	68.10	335	10	3.00
6/19/2018 4:00	68.30	454	15	3.30
6/19/2018 5:00	68.20	1274	39	3.10
6/19/2018 6:00	67.20	2668	97	3.60
6/19/2018 7:00	65.70	4767	177	3.70
6/19/2018 8:00	65.80	5359	98	1.80
6/19/2018 9:00	63.80	5528	168	3.00
6/19/2018 10:00	65.00	5835	122	2.10
6/19/2018 11:00	64.90	6625	146	2.20
6/19/2018 12:00	64.10	7597	150	2.00
6/19/2018 13:00	63.00	8128	151	1.90
6/19/2018 14:00	59.60	9795	238	2.40
6/19/2018 15:00	39.10	9609	81	0.80
6/19/2018 16:00	32.70	9529	27	0.30
6/19/2018 17:00	33.70	8936	38	0.40
6/19/2018 18:00	62.40	9014	150	1.70
6/19/2018 19:00	65.80	7798	101	1.30
6/19/2018 20:00	65.90	6398	107	1.70
6/19/2018 21:00	67.30	5589	79	1.40
6/19/2018 22:00	68.10	4190	77	1.80
6/19/2018 23:00	68.50	2823	47	1.70
6/20/2018 0:00	69.00	1673	17	1.00
6/20/2018 1:00	67.70	726	14	1.90
6/20/2018 2:00	68.50	529	10	1.90
6/20/2018 3:00	68.70	315	9	2.90
6/20/2018 4:00	68.50	477	18	3.80
6/20/2018 5:00	68.80	1239	33	2.70
6/20/2018 6:00	67.20	2597	62	2.40
6/20/2018 7:00	65.60	4560	102	2.20
6/20/2018 8:00	66.10	5516	159	2.90
6/20/2018 9:00	64.70	5519	121	2.20
6/20/2018 10:00	64.90	5728	126	2.20
6/20/2018 11:00	63.60	6718	166	2.50
6/20/2018 12:00	63.90	7485	162	2.20
6/20/2018 13:00	62.50	8266	170	2.10
6/20/2018 14:00	61.10	9557	201	2.10
6/20/2018 15:00	56.00	10016	241	2.40
6/20/2018 16:00	37.90	9362	25	0.30
6/20/2018 17:00	26.80	8845	47	0.50
6/20/2018 18:00	28.20	8923	133	1.50
6/20/2018 19:00	65.30	8025	125	1.60
6/20/2018 20:00	65.30	6872	123	1.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/20/2018 21:00	67.30	5888	91	1.50
6/20/2018 22:00	68.00	4252	57	1.30
6/20/2018 23:00	67.70	2786	52	1.90
6/21/2018 0:00	68.50	1680	31	1.80
6/21/2018 1:00	69.30	916	10	1.10
6/21/2018 2:00	68.70	625	13	2.10
6/21/2018 3:00	68.80	364	12	3.30
6/21/2018 4:00	68.50	502	21	4.20
6/21/2018 5:00	69.30	1199	34	2.80
6/21/2018 6:00	67.50	2566	76	3.00
6/21/2018 7:00	66.90	4560	146	3.20
6/21/2018 8:00	66.30	5345	132	2.50
6/21/2018 9:00	64.80	5555	129	2.30
6/21/2018 10:00	64.60	5974	155	2.60
6/21/2018 11:00	64.10	6685	173	2.60
6/21/2018 12:00	64.30	7526	184	2.40
6/21/2018 13:00	63.40	8240	154	1.90
6/21/2018 14:00	61.40	9906	223	2.30
6/21/2018 15:00	47.20	10066	132	1.30
6/21/2018 16:00	39.70	9539	72	0.80
6/21/2018 17:00	36.50	9145	107	1.20
6/21/2018 18:00	57.20	8715	210	2.40
6/21/2018 19:00	65.40	7940	142	1.80
6/21/2018 20:00	64.30	7105	136	1.90
6/21/2018 21:00	69.40	6183	100	1.60
6/21/2018 22:00	68.60	5573	72	1.30
6/21/2018 23:00	67.50	3509	41	1.20
6/22/2018 0:00	67.40	1919	24	1.30
6/22/2018 1:00	68.10	1029	22	2.10
6/22/2018 2:00	68.60	721	12	1.70
6/22/2018 3:00	68.20	430	9	2.10
6/22/2018 4:00	68.30	531	19	3.60
6/22/2018 5:00	69.40	1233	20	1.60
6/22/2018 6:00	67.10	2571	94	3.70
6/22/2018 7:00	67.10	4498	120	2.70
6/22/2018 8:00	66.40	5498	139	2.50
6/22/2018 9:00	65.60	5671	108	1.90
6/22/2018 10:00	64.60	6478	144	2.20
6/22/2018 11:00	64.20	7178	161	2.20
6/22/2018 12:00	63.30	8303	123	1.50
6/22/2018 13:00	62.10	8878	190	2.10
6/22/2018 14:00	60.90	9805	244	2.50
6/22/2018 15:00	55.00	9718	121	1.20
6/22/2018 16:00	45.80	9515	103	1.10
6/22/2018 17:00	62.30	9254	185	2.00
6/22/2018 18:00	63.80	9067	160	1.80
6/22/2018 19:00	66.30	7886	110	1.40
6/22/2018 20:00	65.00	7060	140	2.00
6/22/2018 21:00	68.30	6517	92	1.40
6/22/2018 22:00	68.00	5451	101	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/22/2018 23:00	69.30	3985	88	2.20
6/23/2018 0:00	68.70	2710	40	1.50
6/23/2018 1:00	68.60	1632	26	1.60
6/23/2018 2:00	68.40	1187	16	1.30
6/23/2018 3:00	68.50	725	13	1.80
6/23/2018 4:00	68.60	529	10	1.90
6/23/2018 5:00	68.10	789	23	2.90
6/23/2018 6:00	67.40	1570	55	3.50
6/23/2018 7:00	67.60	2923	91	3.10
6/23/2018 8:00	67.40	3723	98	2.60
6/23/2018 9:00	66.20	4578	77	1.70
6/23/2018 10:00	65.90	5806	66	1.10
6/23/2018 11:00	65.40	6680	125	1.90
6/23/2018 12:00	64.20	7509	115	1.50
6/23/2018 13:00	64.30	7847	151	1.90
6/23/2018 14:00	63.10	7968	149	1.90
6/23/2018 15:00	63.40	8277	121	1.50
6/23/2018 16:00	64.40	7430	138	1.90
6/23/2018 17:00	64.90	7598	136	1.80
6/23/2018 18:00	65.00	7172	85	1.20
6/23/2018 19:00	65.90	6632	115	1.70
6/23/2018 20:00	63.20	6217	86	1.40
6/23/2018 21:00	68.40	6075	127	2.10
6/23/2018 22:00	69.10	5421	111	2.00
6/23/2018 23:00	69.50	4245	89	2.10
6/24/2018 0:00	69.00	2787	52	1.90
6/24/2018 1:00	68.20	1667	17	1.00
6/24/2018 2:00	68.80	1288	8	0.60
6/24/2018 3:00	68.80	708	8	1.10
6/24/2018 4:00	68.90	496	8	1.60
6/24/2018 5:00	68.80	637	2	0.30
6/24/2018 6:00	68.10	1172	19	1.60
6/24/2018 7:00	67.90	1855	52	2.80
6/24/2018 8:00	67.50	2768	65	2.30
6/24/2018 9:00	67.40	3869	49	1.30
6/24/2018 10:00	66.20	5216	76	1.50
6/24/2018 11:00	65.60	6069	97	1.60
6/24/2018 12:00	64.90	6856	68	1.00
6/24/2018 13:00	64.60	7090	114	1.60
6/24/2018 14:00	63.90	7513	150	2.00
6/24/2018 15:00	64.30	7830	167	2.10
6/24/2018 16:00	64.10	7664	117	1.50
6/24/2018 17:00	64.10	7554	104	1.40
6/24/2018 18:00	64.90	7005	106	1.50
6/24/2018 19:00	65.20	6714	81	1.20
6/24/2018 20:00	64.70	5987	71	1.20
6/24/2018 21:00	67.80	4937	80	1.60
6/24/2018 22:00	68.10	3957	74	1.90
6/24/2018 23:00	67.40	2808	36	1.30
6/25/2018 0:00	68.20	1565	17	1.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/25/2018 1:00	68.50	741	7	0.90
6/25/2018 2:00	68.70	481	8	1.70
6/25/2018 3:00	68.50	349	8	2.30
6/25/2018 4:00	68.60	524	18	3.40
6/25/2018 5:00	68.20	1325	33	2.50
6/25/2018 6:00	67.60	2628	70	2.70
6/25/2018 7:00	67.60	4338	115	2.70
6/25/2018 8:00	66.50	5240	119	2.30
6/25/2018 9:00	64.90	5279	111	2.10
6/25/2018 10:00	64.60	5469	122	2.20
6/25/2018 11:00	64.50	6491	160	2.50
6/25/2018 12:00	63.70	7300	177	2.40
6/25/2018 13:00	63.10	8057	139	1.70
6/25/2018 14:00	61.50	9405	139	1.50
6/25/2018 15:00	47.30	10115	202	2.00
6/25/2018 16:00	55.30	9725	163	1.70
6/25/2018 17:00	36.10	9492	102	1.10
6/25/2018 18:00	62.80	8617	170	2.00
6/25/2018 19:00	66.30	6767	139	2.10
6/25/2018 20:00	64.70	6316	109	1.70
6/25/2018 21:00	68.30	5241	81	1.50
6/25/2018 22:00	68.40	3853	66	1.70
6/25/2018 23:00	69.20	2489	41	1.60
6/26/2018 0:00	68.30	1418	33	2.30
6/26/2018 1:00	68.50	800	10	1.30
6/26/2018 2:00	68.60	517	7	1.40
6/26/2018 3:00	68.30	354	11	3.10
6/26/2018 4:00	68.80	487	18	3.70
6/26/2018 5:00	68.40	1206	35	2.90
6/26/2018 6:00	68.10	2574	54	2.10
6/26/2018 7:00	66.40	4522	74	1.60
6/26/2018 8:00	66.20	5410	119	2.20
6/26/2018 9:00	65.50	5439	112	2.10
6/26/2018 10:00	64.10	5838	139	2.40
6/26/2018 11:00	64.80	6484	125	1.90
6/26/2018 12:00	63.60	7420	228	3.10
6/26/2018 13:00	62.90	8294	183	2.20
6/26/2018 14:00	61.20	9716	231	2.40
6/26/2018 15:00	47.40	10161	141	1.40
6/26/2018 16:00	31.40	9329	30	0.30
6/26/2018 17:00	46.70	9254	84	0.90
6/26/2018 18:00	62.50	9026	168	1.90
6/26/2018 19:00	66.70	7525	105	1.40
6/26/2018 20:00	65.60	6574	122	1.90
6/26/2018 21:00	67.00	5912	112	1.90
6/26/2018 22:00	69.60	4158	59	1.40
6/26/2018 23:00	68.30	2671	47	1.80
6/27/2018 0:00	68.80	1702	40	2.40
6/27/2018 1:00	68.30	863	13	1.50
6/27/2018 2:00	68.50	560	13	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/27/2018 3:00	68.10	316	8	2.50
6/27/2018 4:00	68.60	491	15	3.10
6/27/2018 5:00	67.40	1272	49	3.90
6/27/2018 6:00	67.20	2619	92	3.50
6/27/2018 7:00	66.00	4430	131	3.00
6/27/2018 8:00	66.20	5129	115	2.20
6/27/2018 9:00	65.10	5779	138	2.40
6/27/2018 10:00	63.70	5685	137	2.40
6/27/2018 11:00	63.60	6680	133	2.00
6/27/2018 12:00	63.10	7352	169	2.30
6/27/2018 13:00	61.20	8258	273	3.30
6/27/2018 14:00	60.80	9680	224	2.30
6/27/2018 15:00	59.10	10128	210	2.10
6/27/2018 16:00	35.30	9415	101	1.10
6/27/2018 17:00	31.30	9448	56	0.60
6/27/2018 18:00	59.80	8478	149	1.80
6/27/2018 19:00	65.90	7762	128	1.60
6/27/2018 20:00	64.50	6792	95	1.40
6/27/2018 21:00	66.90	6001	102	1.70
6/27/2018 22:00	68.40	4706	78	1.70
6/27/2018 23:00	67.70	2987	43	1.40
6/28/2018 0:00	68.10	1641	9	0.50
6/28/2018 1:00	68.00	945	9	1.00
6/28/2018 2:00	67.80	595	7	1.20
6/28/2018 3:00	68.40	323	11	3.40
6/28/2018 4:00	68.80	499	8	1.60
6/28/2018 5:00	68.90	1228	28	2.30
6/28/2018 6:00	65.80	2537	64	2.50
6/28/2018 7:00	67.20	4592	99	2.20
6/28/2018 8:00	65.80	5312	118	2.20
6/28/2018 9:00	64.60	5540	140	2.50
6/28/2018 10:00	64.30	5835	137	2.30
6/28/2018 11:00	63.50	6993	164	2.30
6/28/2018 12:00	62.90	7525	183	2.40
6/28/2018 13:00	62.60	8314	164	2.00
6/28/2018 14:00	59.50	9859	267	2.70
6/28/2018 15:00	58.60	10045	204	2.00
6/28/2018 16:00	43.80	9697	37	0.40
6/28/2018 17:00	51.20	9610	160	1.70
6/28/2018 18:00	61.00	8899	142	1.60
6/28/2018 19:00	65.00	7731	134	1.70
6/28/2018 20:00	63.60	6743	125	1.90
6/28/2018 21:00	65.70	6039	131	2.20
6/28/2018 22:00	67.20	4714	92	2.00
6/28/2018 23:00	69.50	3123	42	1.30
6/29/2018 0:00	68.20	1717	23	1.30
6/29/2018 1:00	68.50	969	15	1.50
6/29/2018 2:00	68.30	699	12	1.70
6/29/2018 3:00	68.00	408	17	4.20
6/29/2018 4:00	68.70	540	12	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/29/2018 5:00	68.30	1192	34	2.90
6/29/2018 6:00	68.30	2517	69	2.70
6/29/2018 7:00	66.50	4489	141	3.10
6/29/2018 8:00	65.70	5170	185	3.60
6/29/2018 9:00	65.40	5516	128	2.30
6/29/2018 10:00	63.60	6323	151	2.40
6/29/2018 11:00	64.00	7484	185	2.50
6/29/2018 12:00	63.90	8264	175	2.10
6/29/2018 13:00	62.80	9157	226	2.50
6/29/2018 14:00	60.10	10196	274	2.70
6/29/2018 15:00	38.40	9688	67	0.70
6/29/2018 16:00	34.90	9534	22	0.20
6/29/2018 17:00	42.10	8848	101	1.10
6/29/2018 18:00	65.50	8232	142	1.70
6/29/2018 19:00	66.80	7631	123	1.60
6/29/2018 20:00	65.30	6817	133	2.00
6/29/2018 21:00	68.00	6313	108	1.70
6/29/2018 22:00	68.70	5794	106	1.80
6/29/2018 23:00	68.10	4322	77	1.80
6/30/2018 0:00	67.70	2822	54	1.90
6/30/2018 1:00	68.60	1636	31	1.90
6/30/2018 2:00	69.00	1261	21	1.70
6/30/2018 3:00	68.80	657	20	3.00
6/30/2018 4:00	68.80	555	14	2.50
6/30/2018 5:00	68.00	861	25	2.90
6/30/2018 6:00	68.20	1614	38	2.40
6/30/2018 7:00	67.50	2598	83	3.20
6/30/2018 8:00	66.70	3897	56	1.40
6/30/2018 9:00	66.30	5181	78	1.50
6/30/2018 10:00	65.60	6163	97	1.60
6/30/2018 11:00	64.40	6597	81	1.20
6/30/2018 12:00	64.70	7066	105	1.50
6/30/2018 13:00	64.10	7544	125	1.70
6/30/2018 14:00	64.00	8027	154	1.90
6/30/2018 15:00	63.90	8090	145	1.80
6/30/2018 16:00	64.20	7879	100	1.30
6/30/2018 17:00	64.70	7494	93	1.20
6/30/2018 18:00	65.00	7101	99	1.40
6/30/2018 19:00	65.20	6727	110	1.60
6/30/2018 20:00	63.70	6354	105	1.70
6/30/2018 21:00	67.50	6175	81	1.30
6/30/2018 22:00	68.60	5684	102	1.80
6/30/2018 23:00	69.30	4241	67	1.60
7/01/2018 0:00	68.30	2826	49	1.70
7/01/2018 1:00	68.20	1750	40	2.30
7/01/2018 2:00	68.40	1298	18	1.40
7/01/2018 3:00	68.30	747	6	0.80
7/01/2018 4:00	69.30	495	4	0.80
7/01/2018 5:00	68.80	630	10	1.60
7/01/2018 6:00	68.00	1087	26	2.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/01/2018 7:00	68.10	1766	41	2.30
7/01/2018 8:00	68.00	2654	40	1.50
7/01/2018 9:00	67.20	3817	54	1.40
7/01/2018 10:00	66.30	5075	62	1.20
7/01/2018 11:00	64.70	5945	80	1.30
7/01/2018 12:00	64.60	6371	74	1.20
7/01/2018 13:00	64.30	6876	73	1.10
7/01/2018 14:00	64.50	7232	71	1.00
7/01/2018 15:00	64.10	7581	84	1.10
7/01/2018 16:00	64.00	7336	81	1.10
7/01/2018 17:00	64.00	7138	106	1.50
7/01/2018 18:00	64.90	6703	87	1.30
7/01/2018 19:00	65.10	6556	87	1.30
7/01/2018 20:00	63.50	5948	88	1.50
7/01/2018 21:00	68.10	5204	99	1.90
7/01/2018 22:00	67.80	4019	54	1.30
7/01/2018 23:00	68.50	2508	40	1.60
7/02/2018 0:00	68.50	1573	19	1.20
7/02/2018 1:00	67.80	743	16	2.20
7/02/2018 2:00	68.50	492	8	1.60
7/02/2018 3:00	68.70	356	7	2.00
7/02/2018 4:00	68.10	484	17	3.50
7/02/2018 5:00	68.20	1188	38	3.20
7/02/2018 6:00	66.90	2491	62	2.50
7/02/2018 7:00	65.90	4286	98	2.30
7/02/2018 8:00	66.00	4962	137	2.80
7/02/2018 9:00	65.10	5401	123	2.30
7/02/2018 10:00	65.00	5786	164	2.80
7/02/2018 11:00	64.10	6422	144	2.20
7/02/2018 12:00	62.90	7394	189	2.60
7/02/2018 13:00	63.50	7880	177	2.20
7/02/2018 14:00	61.10	9512	274	2.90
7/02/2018 15:00	54.10	9867	133	1.30
7/02/2018 16:00	57.80	9598	80	0.80
7/02/2018 17:00	46.10	9820	348	3.50
7/02/2018 18:00	64.40	8178	146	1.80
7/02/2018 19:00	66.60	6922	116	1.70
7/02/2018 20:00	64.70	6202	123	2.00
7/02/2018 21:00	68.10	5521	89	1.60
7/02/2018 22:00	68.70	4014	82	2.00
7/02/2018 23:00	69.20	2477	46	1.90
7/03/2018 0:00	69.50	1281	15	1.20
7/03/2018 1:00	68.40	668	11	1.60
7/03/2018 2:00	67.80	508	12	2.40
7/03/2018 3:00	68.60	349	6	1.70
7/03/2018 4:00	68.50	505	16	3.20
7/03/2018 5:00	69.00	1035	21	2.00
7/03/2018 6:00	68.60	2411	37	1.50
7/03/2018 7:00	65.70	4277	140	3.30
7/03/2018 8:00	64.20	5107	128	2.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/03/2018 9:00	64.00	5649	160	2.80
7/03/2018 10:00	63.10	5865	162	2.80
7/03/2018 11:00	62.80	6790	140	2.10
7/03/2018 12:00	63.00	7718	152	2.00
7/03/2018 13:00	61.20	8733	227	2.60
7/03/2018 14:00	59.20	9939	239	2.40
7/03/2018 15:00	36.90	9541	153	1.60
7/03/2018 16:00	30.00	8856	134	1.50
7/03/2018 17:00	47.40	9410	317	3.40
7/03/2018 18:00	63.10	8459	162	1.90
7/03/2018 19:00	65.30	7189	108	1.50
7/03/2018 20:00	63.50	6545	106	1.60
7/03/2018 21:00	67.20	6198	105	1.70
7/03/2018 22:00	67.80	4795	80	1.70
7/03/2018 23:00	67.70	3631	48	1.30
7/04/2018 0:00	68.60	2386	35	1.50
7/04/2018 1:00	69.00	1310	25	1.90
7/04/2018 2:00	69.70	1060	9	0.80
7/04/2018 3:00	69.20	607	13	2.10
7/04/2018 4:00	69.30	475	7	1.50
7/04/2018 5:00	69.30	661	5	0.80
7/04/2018 6:00	69.30	1275	27	2.10
7/04/2018 7:00	68.20	2007	37	1.80
7/04/2018 8:00	69.00	2521	45	1.80
7/04/2018 9:00	68.60	3443	36	1.00
7/04/2018 10:00	67.60	3940	53	1.30
7/04/2018 11:00	66.90	4781	86	1.80
7/04/2018 12:00	67.10	5461	116	2.10
7/04/2018 13:00	66.80	5814	111	1.90
7/04/2018 14:00	67.00	5921	116	2.00
7/04/2018 15:00	67.80	5711	116	2.00
7/04/2018 16:00	67.40	5103	83	1.60
7/04/2018 17:00	66.80	4761	54	1.10
7/04/2018 18:00	67.50	4357	61	1.40
7/04/2018 19:00	67.30	4617	64	1.40
7/04/2018 20:00	66.20	4176	38	0.90
7/04/2018 21:00	66.80	5386	57	1.10
7/04/2018 22:00	65.40	6115	97	1.60
7/04/2018 23:00	66.70	5102	41	0.80
7/05/2018 0:00	65.80	3109	28	0.90
7/05/2018 1:00	67.90	1165	6	0.50
7/05/2018 2:00	69.60	690	4	0.60
7/05/2018 3:00	69.30	433	8	1.80
7/05/2018 4:00	68.80	504	7	1.40
7/05/2018 5:00	69.00	1195	32	2.70
7/05/2018 6:00	67.00	2395	82	3.40
7/05/2018 7:00	66.60	4324	123	2.80
7/05/2018 8:00	65.50	5203	133	2.60
7/05/2018 9:00	64.00	5431	177	3.30
7/05/2018 10:00	64.10	5902	170	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/05/2018 11:00	64.00	6983	186	2.70
7/05/2018 12:00	63.10	7731	229	3.00
7/05/2018 13:00	63.20	8277	222	2.70
7/05/2018 14:00	61.20	9615	286	3.00
7/05/2018 15:00	60.90	9646	269	2.80
7/05/2018 16:00	59.50	9731	273	2.80
7/05/2018 17:00	61.60	8920	166	1.90
7/05/2018 18:00	64.50	8638	169	2.00
7/05/2018 19:00	66.70	7360	116	1.60
7/05/2018 20:00	64.60	6507	124	1.90
7/05/2018 21:00	67.60	5956	112	1.90
7/05/2018 22:00	68.30	4407	78	1.80
7/05/2018 23:00	68.10	2866	49	1.70
7/06/2018 0:00	67.90	1718	23	1.30
7/06/2018 1:00	68.50	961	14	1.50
7/06/2018 2:00	68.50	580	11	1.90
7/06/2018 3:00	68.50	399	6	1.50
7/06/2018 4:00	67.80	533	19	3.60
7/06/2018 5:00	68.30	1224	45	3.70
7/06/2018 6:00	66.50	2346	83	3.50
7/06/2018 7:00	65.40	4438	131	3.00
7/06/2018 8:00	65.90	4443	146	3.30
7/06/2018 9:00	65.30	5580	136	2.40
7/06/2018 10:00	64.20	6203	156	2.50
7/06/2018 11:00	62.50	6711	132	2.00
7/06/2018 12:00	61.80	7752	255	3.30
7/06/2018 13:00	63.10	8991	250	2.80
7/06/2018 14:00	57.00	9659	227	2.40
7/06/2018 15:00	56.30	9451	218	2.30
7/06/2018 16:00	58.60	9440	176	1.90
7/06/2018 17:00	59.90	9096	167	1.80
7/06/2018 18:00	62.20	8203	151	1.80
7/06/2018 19:00	64.00	7122	148	2.10
7/06/2018 20:00	62.40	6611	88	1.30
7/06/2018 21:00	67.30	6444	123	1.90
7/06/2018 22:00	68.00	5521	74	1.30
7/06/2018 23:00	67.90	3893	77	2.00
7/07/2018 0:00	68.50	2639	25	0.90
7/07/2018 1:00	67.90	1526	15	1.00
7/07/2018 2:00	68.90	1189	18	1.50
7/07/2018 3:00	67.90	694	20	2.90
7/07/2018 4:00	68.30	482	21	4.40
7/07/2018 5:00	68.30	825	20	2.40
7/07/2018 6:00	68.30	1640	58	3.50
7/07/2018 7:00	68.00	2568	63	2.50
7/07/2018 8:00	67.50	3799	71	1.90
7/07/2018 9:00	67.10	5066	74	1.50
7/07/2018 10:00	66.10	6121	108	1.80
7/07/2018 11:00	65.20	6681	114	1.70
7/07/2018 12:00	64.90	7265	116	1.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/07/2018 13:00	64.80	7359	116	1.60
7/07/2018 14:00	64.00	7941	123	1.50
7/07/2018 15:00	64.50	7814	152	1.90
7/07/2018 16:00	64.40	7718	139	1.80
7/07/2018 17:00	65.00	7684	134	1.70
7/07/2018 18:00	66.20	7557	147	1.90
7/07/2018 19:00	66.50	6505	94	1.40
7/07/2018 20:00	63.90	6253	104	1.70
7/07/2018 21:00	66.40	6513	91	1.40
7/07/2018 22:00	67.80	5993	97	1.60
7/07/2018 23:00	67.80	4189	75	1.80
7/08/2018 0:00	68.20	2741	43	1.60
7/08/2018 1:00	68.10	1694	16	0.90
7/08/2018 2:00	67.90	1268	26	2.10
7/08/2018 3:00	69.00	654	8	1.20
7/08/2018 4:00	68.90	476	10	2.10
7/08/2018 5:00	69.10	649	13	2.00
7/08/2018 6:00	68.40	1222	26	2.10
7/08/2018 7:00	68.90	1797	22	1.20
7/08/2018 8:00	67.50	2848	52	1.80
7/08/2018 9:00	66.70	4088	57	1.40
7/08/2018 10:00	66.70	5242	79	1.50
7/08/2018 11:00	64.50	6142	90	1.50
7/08/2018 12:00	64.50	6889	89	1.30
7/08/2018 13:00	63.70	7136	79	1.10
7/08/2018 14:00	64.20	7418	112	1.50
7/08/2018 15:00	64.70	7474	127	1.70
7/08/2018 16:00	64.10	7468	128	1.70
7/08/2018 17:00	64.80	6977	135	1.90
7/08/2018 18:00	64.60	6821	91	1.30
7/08/2018 19:00	65.40	6428	81	1.30
7/08/2018 20:00	63.10	5957	73	1.20
7/08/2018 21:00	66.50	5841	84	1.40
7/08/2018 22:00	67.70	4225	65	1.50
7/08/2018 23:00	68.10	2776	40	1.40
7/09/2018 0:00	68.40	1685	20	1.20
7/09/2018 1:00	68.90	803	13	1.60
7/09/2018 2:00	68.50	566	6	1.10
7/09/2018 3:00	68.70	389	3	0.80
7/09/2018 4:00	68.30	542	12	2.20
7/09/2018 5:00	68.50	1178	23	2.00
7/09/2018 6:00	66.90	2494	57	2.30
7/09/2018 7:00	66.80	3777	103	2.70
7/09/2018 8:00	66.20	5392	148	2.70
7/09/2018 9:00	64.60	5229	115	2.20
7/09/2018 10:00	64.50	5718	129	2.30
7/09/2018 11:00	64.20	6605	135	2.00
7/09/2018 12:00	63.10	7359	161	2.20
7/09/2018 13:00	63.30	8068	157	1.90
7/09/2018 14:00	61.70	9477	190	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/09/2018 15:00	55.00	10082	202	2.00
7/09/2018 16:00	52.20	9766	138	1.40
7/09/2018 17:00	39.50	9756	88	0.90
7/09/2018 18:00	61.10	8570	186	2.20
7/09/2018 19:00	66.40	6827	100	1.50
7/09/2018 20:00	65.10	6130	95	1.50
7/09/2018 21:00	67.70	5241	77	1.50
7/09/2018 22:00	68.60	3746	57	1.50
7/09/2018 23:00	68.70	2444	44	1.80
7/10/2018 0:00	69.10	1370	19	1.40
7/10/2018 1:00	68.60	712	11	1.50
7/10/2018 2:00	68.20	516	7	1.40
7/10/2018 3:00	68.50	353	10	2.80
7/10/2018 4:00	68.80	497	22	4.40
7/10/2018 5:00	68.70	1206	29	2.40
7/10/2018 6:00	68.20	2572	53	2.10
7/10/2018 7:00	66.50	4616	128	2.80
7/10/2018 8:00	65.70	5356	123	2.30
7/10/2018 9:00	64.60	5613	145	2.60
7/10/2018 10:00	64.60	5896	132	2.20
7/10/2018 11:00	64.70	6695	122	1.80
7/10/2018 12:00	63.70	7592	181	2.40
7/10/2018 13:00	63.00	8452	176	2.10
7/10/2018 14:00	61.00	9802	209	2.10
7/10/2018 15:00	43.30	9861	101	1.00
7/10/2018 16:00	31.40	9291	11	0.10
7/10/2018 17:00	38.80	9143	57	0.60
7/10/2018 18:00	62.50	8919	134	1.50
7/10/2018 19:00	66.40	7554	110	1.50
7/10/2018 20:00	65.50	6559	111	1.70
7/10/2018 21:00	66.90	5863	103	1.80
7/10/2018 22:00	68.10	4299	73	1.70
7/10/2018 23:00	68.40	2878	56	1.90
7/11/2018 0:00	68.90	1757	19	1.10
7/11/2018 1:00	68.70	876	14	1.60
7/11/2018 2:00	68.90	619	9	1.50
7/11/2018 3:00	68.70	381	14	3.70
7/11/2018 4:00	68.80	479	13	2.70
7/11/2018 5:00	68.70	1150	37	3.20
7/11/2018 6:00	68.10	2498	75	3.00
7/11/2018 7:00	66.70	4424	110	2.50
7/11/2018 8:00	66.40	5156	138	2.70
7/11/2018 9:00	65.20	5378	130	2.40
7/11/2018 10:00	65.50	5518	120	2.20
7/11/2018 11:00	64.00	6589	143	2.20
7/11/2018 12:00	63.80	7278	160	2.20
7/11/2018 13:00	63.00	8108	195	2.40
7/11/2018 14:00	61.40	9393	213	2.30
7/11/2018 15:00	59.20	9798	198	2.00
7/11/2018 16:00	39.10	9170	85	0.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/11/2018 17:00	34.20	9039	53	0.60
7/11/2018 18:00	57.80	8544	228	2.70
7/11/2018 19:00	65.70	7709	122	1.60
7/11/2018 20:00	64.90	6678	107	1.60
7/11/2018 21:00	67.30	5879	83	1.40
7/11/2018 22:00	67.70	4764	65	1.40
7/11/2018 23:00	67.80	3166	26	0.80
7/12/2018 0:00	68.20	1800	12	0.70
7/12/2018 1:00	68.40	963	9	0.90
7/12/2018 2:00	68.70	647	10	1.50
7/12/2018 3:00	68.70	384	11	2.90
7/12/2018 4:00	68.70	504	9	1.80
7/12/2018 5:00	69.00	1215	35	2.90
7/12/2018 6:00	66.90	2566	68	2.70
7/12/2018 7:00	67.00	4499	108	2.40
7/12/2018 8:00	65.80	5274	121	2.30
7/12/2018 9:00	64.60	5537	156	2.80
7/12/2018 10:00	64.60	5935	148	2.50
7/12/2018 11:00	64.00	6910	162	2.30
7/12/2018 12:00	63.50	7583	183	2.40
7/12/2018 13:00	62.90	8327	168	2.00
7/12/2018 14:00	60.50	9769	235	2.40
7/12/2018 15:00	58.60	9987	270	2.70
7/12/2018 16:00	49.40	9515	85	0.90
7/12/2018 17:00	54.80	9643	154	1.60
7/12/2018 18:00	62.00	8918	176	2.00
7/12/2018 19:00	65.40	7793	129	1.70
7/12/2018 20:00	64.10	6764	130	1.90
7/12/2018 21:00	67.00	6039	99	1.60
7/12/2018 22:00	67.60	4726	84	1.80
7/12/2018 23:00	68.40	3102	48	1.50
7/13/2018 0:00	69.20	1826	22	1.20
7/13/2018 1:00	68.50	1046	26	2.50
7/13/2018 2:00	68.80	741	11	1.50
7/13/2018 3:00	68.40	447	9	2.00
7/13/2018 4:00	68.10	543	22	4.10
7/13/2018 5:00	68.80	1182	30	2.50
7/13/2018 6:00	66.80	2637	83	3.10
7/13/2018 7:00	66.40	4856	123	2.50
7/13/2018 8:00	65.30	5691	139	2.40
7/13/2018 9:00	62.50	5813	113	1.90
7/13/2018 10:00	61.00	6258	139	2.20
7/13/2018 11:00	60.90	7270	209	2.90
7/13/2018 12:00	60.00	8214	186	2.30
7/13/2018 13:00	59.90	9041	151	1.70
7/13/2018 14:00	57.60	9818	211	2.10
7/13/2018 15:00	59.70	8906	171	1.90
7/13/2018 16:00	54.70	9618	201	2.10
7/13/2018 17:00	57.30	9047	122	1.30
7/13/2018 18:00	62.80	8212	147	1.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/13/2018 19:00	62.90	7773	109	1.40
7/13/2018 20:00	60.70	7127	111	1.60
7/13/2018 21:00	66.90	6800	138	2.00
7/13/2018 22:00	68.80	5724	95	1.70
7/13/2018 23:00	68.90	4483	38	0.80
7/14/2018 0:00	67.90	2916	35	1.20
7/14/2018 1:00	67.70	1837	37	2.00
7/14/2018 2:00	67.50	1474	27	1.80
7/14/2018 3:00	69.20	833	20	2.40
7/14/2018 4:00	68.70	583	14	2.40
7/14/2018 5:00	68.40	813	6	0.70
7/14/2018 6:00	68.40	1719	39	2.30
7/14/2018 7:00	67.40	2738	57	2.10
7/14/2018 8:00	67.60	3790	79	2.10
7/14/2018 9:00	67.10	5161	85	1.60
7/14/2018 10:00	66.40	6235	94	1.50
7/14/2018 11:00	65.30	6569	127	1.90
7/14/2018 12:00	65.50	7104	87	1.20
7/14/2018 13:00	65.00	7600	86	1.10
7/14/2018 14:00	64.40	8023	92	1.10
7/14/2018 15:00	64.00	8271	111	1.30
7/14/2018 16:00	65.40	7655	141	1.80
7/14/2018 17:00	64.90	8204	191	2.30
7/14/2018 18:00	65.30	7329	111	1.50
7/14/2018 19:00	65.20	7006	115	1.60
7/14/2018 20:00	61.80	7034	129	1.80
7/14/2018 21:00	60.00	7146	170	2.40
7/14/2018 22:00	47.00	6665	416	6.20
7/14/2018 23:00	66.70	4802	86	1.80
7/15/2018 0:00	67.30	3286	44	1.30
7/15/2018 1:00	68.00	2076	29	1.40
7/15/2018 2:00	68.60	1601	12	0.70
7/15/2018 3:00	68.70	973	7	0.70
7/15/2018 4:00	67.30	725	8	1.10
7/15/2018 5:00	67.80	809	7	0.90
7/15/2018 6:00	68.20	1282	15	1.20
7/15/2018 7:00	69.10	2377	33	1.40
7/15/2018 8:00	68.40	2874	46	1.60
7/15/2018 9:00	67.50	3845	41	1.10
7/15/2018 10:00	66.60	5214	69	1.30
7/15/2018 11:00	65.00	6053	110	1.80
7/15/2018 12:00	64.80	6717	80	1.20
7/15/2018 13:00	64.40	7035	89	1.30
7/15/2018 14:00	64.60	7424	90	1.20
7/15/2018 15:00	64.70	7596	112	1.50
7/15/2018 16:00	64.50	7426	103	1.40
7/15/2018 17:00	64.70	7155	99	1.40
7/15/2018 18:00	65.00	6780	87	1.30
7/15/2018 19:00	65.30	6550	87	1.30
7/15/2018 20:00	64.10	5972	84	1.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/15/2018 21:00	67.40	5143	82	1.60
7/15/2018 22:00	68.30	4006	62	1.50
7/15/2018 23:00	68.30	2687	31	1.20
7/16/2018 0:00	68.40	1602	16	1.00
7/16/2018 1:00	68.70	759	9	1.20
7/16/2018 2:00	68.70	517	4	0.80
7/16/2018 3:00	68.80	367	9	2.50
7/16/2018 4:00	68.50	526	13	2.50
7/16/2018 5:00	68.30	1223	30	2.50
7/16/2018 6:00	67.50	2547	60	2.40
7/16/2018 7:00	67.10	4318	104	2.40
7/16/2018 8:00	66.10	5185	132	2.50
7/16/2018 9:00	64.90	5310	125	2.40
7/16/2018 10:00	64.80	5748	147	2.60
7/16/2018 11:00	63.90	6565	140	2.10
7/16/2018 12:00	63.00	7362	167	2.30
7/16/2018 13:00	63.10	7996	147	1.80
7/16/2018 14:00	61.50	9470	209	2.20
7/16/2018 15:00	55.20	10084	236	2.30
7/16/2018 16:00	55.60	9798	155	1.60
7/16/2018 17:00	42.90	9827	184	1.90
7/16/2018 18:00	62.70	8436	198	2.30
7/16/2018 19:00	66.50	6835	105	1.50
7/16/2018 20:00	65.00	6121	101	1.70
7/16/2018 21:00	67.70	5265	77	1.50
7/16/2018 22:00	68.90	3794	56	1.50
7/16/2018 23:00	68.70	2466	49	2.00
7/17/2018 0:00	68.90	1336	24	1.80
7/17/2018 1:00	68.50	696	15	2.20
7/17/2018 2:00	68.10	506	8	1.60
7/17/2018 3:00	68.50	328	7	2.10
7/17/2018 4:00	68.70	486	17	3.50
7/17/2018 5:00	68.70	1190	27	2.30
7/17/2018 6:00	68.30	2556	52	2.00
7/17/2018 7:00	66.00	4512	123	2.70
7/17/2018 8:00	65.50	5269	117	2.20
7/17/2018 9:00	64.20	5564	149	2.70
7/17/2018 10:00	64.20	5808	133	2.30
7/17/2018 11:00	64.70	6595	138	2.10
7/17/2018 12:00	63.60	7599	187	2.50
7/17/2018 13:00	62.70	8394	168	2.00
7/17/2018 14:00	60.50	9773	227	2.30
7/17/2018 15:00	40.30	9865	102	1.00
7/17/2018 16:00	31.70	9324	22	0.20
7/17/2018 17:00	43.80	9216	105	1.10
7/17/2018 18:00	62.50	8786	124	1.40
7/17/2018 19:00	66.20	7485	105	1.40
7/17/2018 20:00	65.20	6541	115	1.80
7/17/2018 21:00	67.20	5881	95	1.60
7/17/2018 22:00	68.40	4385	64	1.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/17/2018 23:00	68.40	2913	51	1.80
7/18/2018 0:00	68.80	1622	24	1.50
7/18/2018 1:00	68.50	846	16	1.90
7/18/2018 2:00	68.60	561	5	0.90
7/18/2018 3:00	68.80	400	9	2.30
7/18/2018 4:00	68.50	524	12	2.30
7/18/2018 5:00	66.80	1244	42	3.40
7/18/2018 6:00	66.40	2600	88	3.40
7/18/2018 7:00	65.50	4715	125	2.70
7/18/2018 8:00	64.80	5461	109	2.00
7/18/2018 9:00	64.40	5608	141	2.50
7/18/2018 10:00	63.60	5806	123	2.10
7/18/2018 11:00	62.60	6775	164	2.40
7/18/2018 12:00	62.60	7510	170	2.30
7/18/2018 13:00	62.10	8216	189	2.30
7/18/2018 14:00	60.50	9741	244	2.50
7/18/2018 15:00	58.70	10091	187	1.90
7/18/2018 16:00	47.80	9403	163	1.70
7/18/2018 17:00	59.90	9646	118	1.20
7/18/2018 18:00	62.80	9186	143	1.60
7/18/2018 19:00	64.30	7695	138	1.80
7/18/2018 20:00	63.50	7284	120	1.60
7/18/2018 21:00	67.10	6127	104	1.70
7/18/2018 22:00	69.10	4555	89	2.00
7/18/2018 23:00	69.40	2838	43	1.50
7/19/2018 0:00	68.70	1682	14	0.80
7/19/2018 1:00	69.20	1006	10	1.00
7/19/2018 2:00	68.50	658	17	2.60
7/19/2018 3:00	68.20	431	18	4.20
7/19/2018 4:00	68.20	516	24	4.70
7/19/2018 5:00	68.50	1252	47	3.80
7/19/2018 6:00	67.30	2601	84	3.20
7/19/2018 7:00	66.90	4417	94	2.10
7/19/2018 8:00	66.30	5287	127	2.40
7/19/2018 9:00	65.40	5451	138	2.50
7/19/2018 10:00	65.00	5829	127	2.20
7/19/2018 11:00	65.00	6538	165	2.50
7/19/2018 12:00	64.20	7750	190	2.50
7/19/2018 13:00	63.50	8094	195	2.40
7/19/2018 14:00	62.40	9597	221	2.30
7/19/2018 15:00	61.10	9880	223	2.30
7/19/2018 16:00	47.30	9596	106	1.10
7/19/2018 17:00	36.90	9151	54	0.60
7/19/2018 18:00	62.70	8667	140	1.60
7/19/2018 19:00	64.10	8282	151	1.80
7/19/2018 20:00	64.20	7220	126	1.70
7/19/2018 21:00	68.40	6411	85	1.30
7/19/2018 22:00	68.00	4901	81	1.70
7/19/2018 23:00	70.30	3203	59	1.80
7/20/2018 0:00	68.30	1968	30	1.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/20/2018 1:00	68.20	1039	13	1.30
7/20/2018 2:00	68.60	722	5	0.70
7/20/2018 3:00	68.50	480	10	2.10
7/20/2018 4:00	68.40	532	14	2.60
7/20/2018 5:00	67.60	1211	40	3.30
7/20/2018 6:00	67.50	2578	87	3.40
7/20/2018 7:00	66.90	4460	131	2.90
7/20/2018 8:00	63.00	5415	142	2.60
7/20/2018 9:00	62.70	5508	111	2.00
7/20/2018 10:00	62.00	6038	149	2.50
7/20/2018 11:00	61.80	7019	149	2.10
7/20/2018 12:00	60.70	8102	157	1.90
7/20/2018 13:00	60.10	8866	177	2.00
7/20/2018 14:00	58.70	9711	208	2.10
7/20/2018 15:00	37.90	9402	74	0.80
7/20/2018 16:00	35.80	8951	23	0.30
7/20/2018 17:00	35.10	8270	51	0.60
7/20/2018 18:00	61.60	8103	124	1.50
7/20/2018 19:00	63.60	7367	138	1.90
7/20/2018 20:00	61.10	6966	130	1.90
7/20/2018 21:00	67.00	6961	113	1.60
7/20/2018 22:00	68.00	5853	91	1.60
7/20/2018 23:00	69.30	4037	61	1.50
7/21/2018 0:00	69.20	2790	37	1.30
7/21/2018 1:00	67.80	1813	56	3.10
7/21/2018 2:00	68.90	1342	28	2.10
7/21/2018 3:00	68.70	698	22	3.20
7/21/2018 4:00	68.80	526	8	1.50
7/21/2018 5:00	68.70	802	22	2.70
7/21/2018 6:00	67.90	1499	53	3.50
7/21/2018 7:00	68.50	2594	33	1.30
7/21/2018 8:00	66.90	3601	79	2.20
7/21/2018 9:00	66.10	4972	61	1.20
7/21/2018 10:00	64.80	5816	91	1.60
7/21/2018 11:00	64.50	6353	106	1.70
7/21/2018 12:00	64.10	7116	136	1.90
7/21/2018 13:00	64.30	7350	129	1.80
7/21/2018 14:00	64.00	7909	108	1.40
7/21/2018 15:00	64.50	7970	123	1.50
7/21/2018 16:00	64.60	7841	147	1.90
7/21/2018 17:00	64.10	7449	77	1.00
7/21/2018 18:00	64.30	7246	107	1.50
7/21/2018 19:00	64.10	6828	96	1.40
7/21/2018 20:00	61.60	6800	109	1.60
7/21/2018 21:00	67.20	6669	108	1.60
7/21/2018 22:00	69.50	5622	87	1.50
7/21/2018 23:00	68.30	4390	67	1.50
7/22/2018 0:00	68.10	2898	43	1.50
7/22/2018 1:00	68.90	1773	30	1.70
7/22/2018 2:00	69.80	1460	22	1.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/22/2018 3:00	69.00	796	13	1.60
7/22/2018 4:00	68.90	498	7	1.40
7/22/2018 5:00	69.30	624	5	0.80
7/22/2018 6:00	68.80	1214	16	1.30
7/22/2018 7:00	68.50	1818	34	1.90
7/22/2018 8:00	68.70	2765	42	1.50
7/22/2018 9:00	67.50	4019	46	1.10
7/22/2018 10:00	67.50	5013	73	1.50
7/22/2018 11:00	66.20	5858	103	1.80
7/22/2018 12:00	64.40	6822	75	1.10
7/22/2018 13:00	63.90	7043	121	1.70
7/22/2018 14:00	63.80	7420	123	1.70
7/22/2018 15:00	65.10	7630	125	1.60
7/22/2018 16:00	65.60	7472	112	1.50
7/22/2018 17:00	64.80	7385	96	1.30
7/22/2018 18:00	65.40	7096	110	1.60
7/22/2018 19:00	65.20	6710	104	1.50
7/22/2018 20:00	62.60	6425	96	1.50
7/22/2018 21:00	67.30	5611	68	1.20
7/22/2018 22:00	70.20	3966	47	1.20
7/22/2018 23:00	67.90	2831	39	1.40
7/23/2018 0:00	69.20	1610	20	1.20
7/23/2018 1:00	68.20	828	10	1.20
7/23/2018 2:00	68.90	539	4	0.70
7/23/2018 3:00	68.80	360	7	1.90
7/23/2018 4:00	68.30	473	6	1.30
7/23/2018 5:00	68.60	1215	14	1.20
7/23/2018 6:00	67.80	2583	62	2.40
7/23/2018 7:00	67.70	4830	123	2.50
7/23/2018 8:00	66.80	5401	133	2.50
7/23/2018 9:00	65.20	5433	147	2.70
7/23/2018 10:00	65.60	5804	124	2.10
7/23/2018 11:00	65.20	6567	198	3.00
7/23/2018 12:00	64.30	7310	142	1.90
7/23/2018 13:00	64.40	7853	168	2.10
7/23/2018 14:00	62.20	9338	230	2.50
7/23/2018 15:00	46.80	9695	157	1.60
7/23/2018 16:00	32.10	9333	30	0.30
7/23/2018 17:00	31.40	9231	17	0.20
7/23/2018 18:00	53.90	8525	130	1.50
7/23/2018 19:00	67.80	6949	115	1.70
7/23/2018 20:00	65.30	6389	111	1.70
7/23/2018 21:00	68.30	5584	91	1.60
7/23/2018 22:00	68.50	3886	52	1.30
7/23/2018 23:00	68.20	2503	42	1.70
7/24/2018 0:00	68.80	1488	17	1.10
7/24/2018 1:00	68.60	784	18	2.30
7/24/2018 2:00	68.70	537	8	1.50
7/24/2018 3:00	68.10	343	9	2.60
7/24/2018 4:00	68.70	500	10	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/24/2018 5:00	68.50	1193	38	3.20
7/24/2018 6:00	67.90	2700	89	3.30
7/24/2018 7:00	65.70	4807	151	3.10
7/24/2018 8:00	65.70	5466	134	2.50
7/24/2018 9:00	64.50	5503	168	3.10
7/24/2018 10:00	63.50	5642	187	3.30
7/24/2018 11:00	62.20	6721	189	2.80
7/24/2018 12:00	62.00	7632	145	1.90
7/24/2018 13:00	61.20	8392	245	2.90
7/24/2018 14:00	60.30	9507	236	2.50
7/24/2018 15:00	56.30	10014	163	1.60
7/24/2018 16:00	46.00	9773	119	1.20
7/24/2018 17:00	39.90	9401	72	0.80
7/24/2018 18:00	59.60	9046	130	1.40
7/24/2018 19:00	64.80	7838	128	1.60
7/24/2018 20:00	62.80	6916	95	1.40
7/24/2018 21:00	68.10	6015	88	1.50
7/24/2018 22:00	70.70	4318	45	1.00
7/24/2018 23:00	69.60	2989	46	1.50
7/25/2018 0:00	68.80	1700	23	1.40
7/25/2018 1:00	68.30	869	8	0.90
7/25/2018 2:00	68.20	611	16	2.60
7/25/2018 3:00	68.70	339	6	1.80
7/25/2018 4:00	68.60	507	13	2.60
7/25/2018 5:00	67.20	1228	21	1.70
7/25/2018 6:00	66.50	2649	85	3.20
7/25/2018 7:00	66.00	4464	132	3.00
7/25/2018 8:00	65.50	5259	125	2.40
7/25/2018 9:00	64.50	5501	132	2.40
7/25/2018 10:00	63.80	5931	132	2.20
7/25/2018 11:00	62.50	6696	191	2.90
7/25/2018 12:00	62.10	7590	192	2.50
7/25/2018 13:00	61.70	8357	272	3.30
7/25/2018 14:00	59.80	9538	220	2.30
7/25/2018 15:00	40.20	9483	49	0.50
7/25/2018 16:00	46.90	9660	152	1.60
7/25/2018 17:00	46.60	9496	160	1.70
7/25/2018 18:00	45.30	9686	366	3.80
7/25/2018 19:00	63.30	8772	139	1.60
7/25/2018 20:00	62.80	7102	138	1.90
7/25/2018 21:00	65.60	6471	129	2.00
7/25/2018 22:00	69.70	4384	77	1.80
7/25/2018 23:00	68.50	2708	28	1.00
7/26/2018 0:00	68.30	1659	33	2.00
7/26/2018 1:00	68.70	939	14	1.50
7/26/2018 2:00	68.40	637	17	2.70
7/26/2018 3:00	68.50	381	8	2.10
7/26/2018 4:00	68.40	508	19	3.70
7/26/2018 5:00	67.90	1279	45	3.50
7/26/2018 6:00	68.40	2534	91	3.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/26/2018 7:00	66.90	4732	152	3.20
7/26/2018 8:00	65.50	5325	158	3.00
7/26/2018 9:00	64.60	5622	168	3.00
7/26/2018 10:00	65.00	5786	177	3.10
7/26/2018 11:00	63.80	6843	177	2.60
7/26/2018 12:00	63.70	7650	205	2.70
7/26/2018 13:00	63.20	8220	168	2.00
7/26/2018 14:00	62.30	9655	240	2.50
7/26/2018 15:00	49.50	9798	130	1.30
7/26/2018 16:00	43.10	9640	65	0.70
7/26/2018 17:00	40.80	9613	109	1.10
7/26/2018 18:00	63.70	8944	165	1.80
7/26/2018 19:00	66.00	8147	117	1.40
7/26/2018 20:00	63.20	7217	150	2.10
7/26/2018 21:00	68.70	6253	112	1.80
7/26/2018 22:00	67.70	4949	83	1.70
7/26/2018 23:00	68.70	3148	59	1.90
7/27/2018 0:00	68.10	1801	28	1.60
7/27/2018 1:00	68.40	1060	8	0.80
7/27/2018 2:00	68.70	718	6	0.80
7/27/2018 3:00	68.10	436	17	3.90
7/27/2018 4:00	67.90	553	16	2.90
7/27/2018 5:00	67.30	1229	47	3.80
7/27/2018 6:00	66.10	2563	57	2.20
7/27/2018 7:00	65.90	4678	141	3.00
7/27/2018 8:00	61.80	5515	177	3.20
7/27/2018 9:00	61.90	5585	155	2.80
7/27/2018 10:00	61.20	6231	184	3.00
7/27/2018 11:00	60.70	7379	199	2.70
7/27/2018 12:00	61.30	8201	216	2.60
7/27/2018 13:00	60.90	8774	192	2.20
7/27/2018 14:00	59.30	9795	218	2.20
7/27/2018 15:00	58.40	9932	200	2.00
7/27/2018 16:00	46.10	9444	91	1.00
7/27/2018 17:00	59.40	9019	155	1.70
7/27/2018 18:00	63.10	8223	145	1.80
7/27/2018 19:00	62.90	7646	106	1.40
7/27/2018 20:00	62.10	7005	115	1.60
7/27/2018 21:00	67.60	6690	113	1.70
7/27/2018 22:00	69.10	5797	83	1.40
7/27/2018 23:00	67.60	4198	50	1.20
7/28/2018 0:00	69.20	2716	44	1.60
7/28/2018 1:00	68.00	1700	30	1.80
7/28/2018 2:00	68.60	1330	11	0.80
7/28/2018 3:00	69.10	628	10	1.60
7/28/2018 4:00	69.30	473	13	2.70
7/28/2018 5:00	69.10	742	9	1.20
7/28/2018 6:00	69.10	1431	32	2.20
7/28/2018 7:00	68.60	2222	44	2.00
7/28/2018 8:00	66.20	3360	50	1.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/28/2018 9:00	67.30	4761	60	1.30
7/28/2018 10:00	65.30	5877	99	1.70
7/28/2018 11:00	64.90	6613	110	1.70
7/28/2018 12:00	64.90	7241	133	1.80
7/28/2018 13:00	64.70	7325	157	2.10
7/28/2018 14:00	64.30	7753	106	1.40
7/28/2018 15:00	64.00	7867	114	1.40
7/28/2018 16:00	64.50	7914	97	1.20
7/28/2018 17:00	65.00	7635	106	1.40
7/28/2018 18:00	65.20	7236	104	1.40
7/28/2018 19:00	64.50	6855	94	1.40
7/28/2018 20:00	62.60	6516	92	1.40
7/28/2018 21:00	67.70	6665	102	1.50
7/28/2018 22:00	69.80	5710	84	1.50
7/28/2018 23:00	69.90	4143	47	1.10
7/29/2018 0:00	68.00	2981	44	1.50
7/29/2018 1:00	69.40	1825	26	1.40
7/29/2018 2:00	68.70	1340	17	1.30
7/29/2018 3:00	69.50	712	14	2.00
7/29/2018 4:00	69.00	550	12	2.20
7/29/2018 5:00	67.20	676	18	2.70
7/29/2018 6:00	69.50	1157	16	1.40
7/29/2018 7:00	68.40	1857	32	1.70
7/29/2018 8:00	67.10	3123	44	1.40
7/29/2018 9:00	66.30	4401	61	1.40
7/29/2018 10:00	66.10	5355	84	1.60
7/29/2018 11:00	65.80	6052	94	1.60
7/29/2018 12:00	65.00	7115	133	1.90
7/29/2018 13:00	65.30	7314	106	1.40
7/29/2018 14:00	63.50	7451	105	1.40
7/29/2018 15:00	64.20	7742	109	1.40
7/29/2018 16:00	64.70	7605	113	1.50
7/29/2018 17:00	65.30	7445	128	1.70
7/29/2018 18:00	65.30	6965	109	1.60
7/29/2018 19:00	65.40	6619	82	1.20
7/29/2018 20:00	62.90	6361	85	1.30
7/29/2018 21:00	69.30	5470	65	1.20
7/29/2018 22:00	70.80	4058	50	1.20
7/29/2018 23:00	69.10	2736	30	1.10
7/30/2018 0:00	69.00	1630	25	1.50
7/30/2018 1:00	69.00	842	12	1.40
7/30/2018 2:00	69.00	532	14	2.60
7/30/2018 3:00	68.80	427	7	1.60
7/30/2018 4:00	68.30	561	10	1.80
7/30/2018 5:00	68.60	1222	35	2.90
7/30/2018 6:00	67.90	2600	76	2.90
7/30/2018 7:00	66.40	4658	161	3.50
7/30/2018 8:00	66.80	5482	147	2.70
7/30/2018 9:00	64.90	5362	129	2.40
7/30/2018 10:00	65.60	5865	196	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/30/2018 11:00	63.60	6735	141	2.10
7/30/2018 12:00	63.60	7271	174	2.40
7/30/2018 13:00	63.00	7900	224	2.80
7/30/2018 14:00	61.70	9623	286	3.00
7/30/2018 15:00	60.40	10082	218	2.20
7/30/2018 16:00	51.50	9789	321	3.30
7/30/2018 17:00	38.80	9665	248	2.60
7/30/2018 18:00	64.80	8051	155	1.90
7/30/2018 19:00	67.30	6902	100	1.40
7/30/2018 20:00	66.00	6155	85	1.40
7/30/2018 21:00	68.60	5425	117	2.20
7/30/2018 22:00	70.80	4200	61	1.50
7/30/2018 23:00	68.80	2855	32	1.10
7/31/2018 0:00	68.90	1646	27	1.60
7/31/2018 1:00	69.70	841	5	0.60
7/31/2018 2:00	68.30	559	24	4.30
7/31/2018 3:00	68.20	353	12	3.40
7/31/2018 4:00	68.90	515	12	2.30
7/31/2018 5:00	69.10	1210	26	2.10
7/31/2018 6:00	68.60	2587	77	3.00
7/31/2018 7:00	67.60	4667	138	3.00
7/31/2018 8:00	67.50	5447	109	2.00
7/31/2018 9:00	65.80	5610	139	2.50
7/31/2018 10:00	65.30	5897	141	2.40
7/31/2018 11:00	65.30	6747	174	2.60
7/31/2018 12:00	64.30	7694	154	2.00
7/31/2018 13:00	64.60	8282	206	2.50
7/31/2018 14:00	59.90	9921	281	2.80
7/31/2018 15:00	42.50	9781	133	1.40
7/31/2018 16:00	58.70	9637	173	1.80
7/31/2018 17:00	51.80	9433	94	1.00
7/31/2018 18:00	63.00	8981	159	1.80
7/31/2018 19:00	66.80	7667	96	1.30
7/31/2018 20:00	64.70	6708	104	1.60
7/31/2018 21:00	66.10	6165	70	1.10
7/31/2018 22:00	68.50	4472	95	2.10
7/31/2018 23:00	68.90	2862	35	1.20
8/01/2018 0:00	68.60	1552	35	2.30
8/01/2018 1:00	68.20	906	17	1.90
8/01/2018 2:00	68.50	535	12	2.20
8/01/2018 3:00	68.80	372	4	1.10
8/01/2018 4:00	68.10	529	20	3.80
8/01/2018 5:00	68.70	1244	29	2.30
8/01/2018 6:00	67.10	2585	88	3.40
8/01/2018 7:00	67.80	4599	131	2.80
8/01/2018 8:00	67.60	5409	120	2.20
8/01/2018 9:00	65.70	5730	139	2.40
8/01/2018 10:00	65.70	5912	136	2.30
8/01/2018 11:00	65.50	6771	175	2.60
8/01/2018 12:00	63.90	7565	198	2.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/01/2018 13:00	64.00	8275	223	2.70
8/01/2018 14:00	62.50	9539	218	2.30
8/01/2018 15:00	46.00	9940	137	1.40
8/01/2018 16:00	25.10	7869	0	0.00
8/01/2018 17:00	14.20	6552	7	0.10
8/01/2018 18:00	56.70	8673	103	1.20
8/01/2018 19:00	65.50	8100	140	1.70
8/01/2018 20:00	64.00	7200	101	1.40
8/01/2018 21:00	69.00	6172	106	1.70
8/01/2018 22:00	68.70	4658	47	1.00
8/01/2018 23:00	69.40	2797	49	1.80
8/02/2018 0:00	68.60	1769	31	1.80
8/02/2018 1:00	68.70	970	7	0.70
8/02/2018 2:00	68.40	659	23	3.50
8/02/2018 3:00	68.90	423	11	2.60
8/02/2018 4:00	68.60	546	7	1.30
8/02/2018 5:00	69.30	1175	36	3.10
8/02/2018 6:00	68.20	2617	82	3.10
8/02/2018 7:00	67.30	4641	120	2.60
8/02/2018 8:00	67.30	5473	136	2.50
8/02/2018 9:00	65.90	5526	150	2.70
8/02/2018 10:00	65.70	6020	147	2.40
8/02/2018 11:00	64.40	7002	139	2.00
8/02/2018 12:00	64.10	7551	166	2.20
8/02/2018 13:00	63.30	8429	232	2.80
8/02/2018 14:00	62.40	9694	231	2.40
8/02/2018 15:00	48.20	9983	230	2.30
8/02/2018 16:00	42.70	9550	69	0.70
8/02/2018 17:00	55.80	10071	244	2.40
8/02/2018 18:00	63.30	9057	184	2.00
8/02/2018 19:00	66.00	7766	124	1.60
8/02/2018 20:00	63.60	7277	122	1.70
8/02/2018 21:00	67.70	6239	109	1.70
8/02/2018 22:00	70.40	4751	62	1.30
8/02/2018 23:00	68.00	2828	30	1.10
8/03/2018 0:00	68.30	1698	35	2.10
8/03/2018 1:00	68.90	960	12	1.30
8/03/2018 2:00	68.30	661	15	2.30
8/03/2018 3:00	67.50	405	16	4.00
8/03/2018 4:00	68.10	583	10	1.70
8/03/2018 5:00	68.70	1250	44	3.50
8/03/2018 6:00	67.80	2565	90	3.50
8/03/2018 7:00	67.70	4484	121	2.70
8/03/2018 8:00	67.60	5344	114	2.10
8/03/2018 9:00	66.10	5803	140	2.40
8/03/2018 10:00	65.70	6245	131	2.10
8/03/2018 11:00	64.60	7214	189	2.60
8/03/2018 12:00	62.80	8128	169	2.10
8/03/2018 13:00	64.40	8838	228	2.60
8/03/2018 14:00	61.40	9749	227	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/03/2018 15:00	37.00	9287	27	0.30
8/03/2018 16:00	32.00	8999	3	0.00
8/03/2018 17:00	47.00	9170	119	1.30
8/03/2018 18:00	65.20	8458	215	2.50
8/03/2018 19:00	66.10	7478	107	1.40
8/03/2018 20:00	64.10	7170	122	1.70
8/03/2018 21:00	67.10	6701	139	2.10
8/03/2018 22:00	69.50	5664	69	1.20
8/03/2018 23:00	68.20	4045	50	1.20
8/04/2018 0:00	68.70	2727	38	1.40
8/04/2018 1:00	69.30	1675	18	1.10
8/04/2018 2:00	68.40	1255	25	2.00
8/04/2018 3:00	68.60	648	15	2.30
8/04/2018 4:00	68.60	497	10	2.00
8/04/2018 5:00	68.30	788	17	2.20
8/04/2018 6:00	68.60	1543	47	3.00
8/04/2018 7:00	68.50	2677	50	1.90
8/04/2018 8:00	66.70	3788	77	2.00
8/04/2018 9:00	66.00	4977	84	1.70
8/04/2018 10:00	65.60	6022	99	1.60
8/04/2018 11:00	64.60	6719	119	1.80
8/04/2018 12:00	64.10	7247	123	1.70
8/04/2018 13:00	64.30	7557	180	2.40
8/04/2018 14:00	64.00	8149	157	1.90
8/04/2018 15:00	64.00	7875	124	1.60
8/04/2018 16:00	63.80	8155	133	1.60
8/04/2018 17:00	63.70	7961	140	1.80
8/04/2018 18:00	64.20	7494	104	1.40
8/04/2018 19:00	64.30	6957	115	1.70
8/04/2018 20:00	61.00	6882	106	1.50
8/04/2018 21:00	67.90	6633	113	1.70
8/04/2018 22:00	68.50	5632	95	1.70
8/04/2018 23:00	69.40	4276	53	1.20
8/05/2018 0:00	68.90	2703	29	1.10
8/05/2018 1:00	69.00	1679	27	1.60
8/05/2018 2:00	68.00	1316	20	1.50
8/05/2018 3:00	68.80	709	10	1.40
8/05/2018 4:00	69.10	448	5	1.10
8/05/2018 5:00	69.10	630	12	1.90
8/05/2018 6:00	69.10	1180	29	2.50
8/05/2018 7:00	69.20	1854	20	1.10
8/05/2018 8:00	67.80	2776	58	2.10
8/05/2018 9:00	67.10	4157	72	1.70
8/05/2018 10:00	67.10	5108	81	1.60
8/05/2018 11:00	66.00	5883	89	1.50
8/05/2018 12:00	65.40	6880	109	1.60
8/05/2018 13:00	65.30	7033	112	1.60
8/05/2018 14:00	65.50	7369	115	1.60
8/05/2018 15:00	65.90	7419	118	1.60
8/05/2018 16:00	65.00	7558	125	1.70



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/05/2018 17:00	65.40	7222	117	1.60
8/05/2018 18:00	66.00	6744	118	1.70
8/05/2018 19:00	65.40	6482	107	1.70
8/05/2018 20:00	63.00	6345	75	1.20
8/05/2018 21:00	67.90	5617	68	1.20
8/05/2018 22:00	68.50	4013	59	1.50
8/05/2018 23:00	69.20	2679	26	1.00
8/06/2018 0:00	68.30	1548	19	1.20
8/06/2018 1:00	68.90	757	7	0.90
8/06/2018 2:00	69.00	526	7	1.30
8/06/2018 3:00	69.00	368	8	2.20
8/06/2018 4:00	68.40	548	15	2.70
8/06/2018 5:00	69.60	1149	26	2.30
8/06/2018 6:00	68.30	2616	72	2.80
8/06/2018 7:00	68.40	4456	104	2.30
8/06/2018 8:00	67.20	5328	131	2.50
8/06/2018 9:00	66.00	5388	123	2.30
8/06/2018 10:00	66.40	5687	146	2.60
8/06/2018 11:00	65.30	6493	112	1.70
8/06/2018 12:00	65.60	7221	170	2.40
8/06/2018 13:00	64.60	7844	204	2.60
8/06/2018 14:00	61.70	9382	224	2.40
8/06/2018 15:00	59.80	10110	182	1.80
8/06/2018 16:00	43.30	9463	191	2.00
8/06/2018 17:00	54.30	9441	130	1.40
8/06/2018 18:00	66.80	8415	138	1.60
8/06/2018 19:00	67.60	7064	119	1.70
8/06/2018 20:00	65.20	6273	112	1.80
8/06/2018 21:00	68.90	5195	71	1.40
8/06/2018 22:00	68.70	4302	71	1.70
8/06/2018 23:00	67.20	2855	40	1.40
8/07/2018 0:00	68.70	1375	24	1.70
8/07/2018 1:00	68.90	753	12	1.60
8/07/2018 2:00	68.30	526	11	2.10
8/07/2018 3:00	67.50	330	13	3.90
8/07/2018 4:00	67.90	524	23	4.40
8/07/2018 5:00	68.60	1206	34	2.80
8/07/2018 6:00	67.20	2692	70	2.60
8/07/2018 7:00	68.40	4626	129	2.80
8/07/2018 8:00	67.40	5161	97	1.90
8/07/2018 9:00	65.80	5407	100	1.80
8/07/2018 10:00	65.50	5696	147	2.60
8/07/2018 11:00	64.50	6640	161	2.40
8/07/2018 12:00	64.10	7564	167	2.20
8/07/2018 13:00	63.70	8263	191	2.30
8/07/2018 14:00	62.10	9622	255	2.70
8/07/2018 15:00	52.70	9795	227	2.30
8/07/2018 16:00	58.60	10016	215	2.10
8/07/2018 17:00	50.20	9744	182	1.90
8/07/2018 18:00	63.00	8804	169	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/07/2018 19:00	66.40	7523	134	1.80
8/07/2018 20:00	63.60	6894	125	1.80
8/07/2018 21:00	69.80	5925	87	1.50
8/07/2018 22:00	68.00	4203	102	2.40
8/07/2018 23:00	69.50	2636	51	1.90
8/08/2018 0:00	68.30	1509	19	1.30
8/08/2018 1:00	68.00	862	29	3.40
8/08/2018 2:00	68.50	552	15	2.70
8/08/2018 3:00	68.60	384	6	1.60
8/08/2018 4:00	68.50	538	18	3.30
8/08/2018 5:00	67.90	1161	28	2.40
8/08/2018 6:00	66.70	2670	89	3.30
8/08/2018 7:00	67.70	4561	116	2.50
8/08/2018 8:00	66.70	5458	129	2.40
8/08/2018 9:00	65.80	5450	141	2.60
8/08/2018 10:00	66.00	6000	136	2.30
8/08/2018 11:00	64.30	6871	180	2.60
8/08/2018 12:00	64.90	7310	184	2.50
8/08/2018 13:00	63.20	8087	188	2.30
8/08/2018 14:00	61.20	9640	213	2.20
8/08/2018 15:00	43.80	9446	136	1.40
8/08/2018 16:00	27.10	8964	24	0.30
8/08/2018 17:00	30.70	9136	1	0.00
8/08/2018 18:00	55.60	8762	122	1.40
8/08/2018 19:00	66.70	7715	108	1.40
8/08/2018 20:00	63.70	7203	143	2.00
8/08/2018 21:00	69.10	5936	79	1.30
8/08/2018 22:00	68.20	4293	55	1.30
8/08/2018 23:00	68.80	2849	25	0.90
8/09/2018 0:00	68.70	1638	25	1.50
8/09/2018 1:00	68.40	1011	8	0.80
8/09/2018 2:00	68.90	647	6	0.90
8/09/2018 3:00	68.90	391	10	2.60
8/09/2018 4:00	67.50	540	20	3.70
8/09/2018 5:00	68.10	1260	39	3.10
8/09/2018 6:00	67.50	2659	89	3.30
8/09/2018 7:00	67.90	4693	95	2.00
8/09/2018 8:00	66.20	5263	105	2.00
8/09/2018 9:00	66.50	5378	138	2.60
8/09/2018 10:00	66.10	5796	142	2.40
8/09/2018 11:00	64.00	6731	179	2.70
8/09/2018 12:00	64.10	7660	144	1.90
8/09/2018 13:00	64.00	8200	189	2.30
8/09/2018 14:00	62.20	9756	206	2.10
8/09/2018 15:00	60.80	9896	191	1.90
8/09/2018 16:00	60.80	9668	186	1.90
8/09/2018 17:00	61.00	9602	191	2.00
8/09/2018 18:00	64.10	9011	170	1.90
8/09/2018 19:00	66.60	7589	129	1.70
8/09/2018 20:00	63.00	7101	155	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/09/2018 21:00	68.20	6161	74	1.20
8/09/2018 22:00	69.00	4519	79	1.70
8/09/2018 23:00	68.40	3091	26	0.80
8/10/2018 0:00	68.00	1837	29	1.60
8/10/2018 1:00	68.30	1104	16	1.40
8/10/2018 2:00	68.40	711	7	1.00
8/10/2018 3:00	68.70	424	17	4.00
8/10/2018 4:00	68.60	568	24	4.20
8/10/2018 5:00	67.90	1204	41	3.40
8/10/2018 6:00	67.00	2667	107	4.00
8/10/2018 7:00	68.20	4457	68	1.50
8/10/2018 8:00	67.90	5229	120	2.30
8/10/2018 9:00	66.40	5588	139	2.50
8/10/2018 10:00	65.30	6181	152	2.50
8/10/2018 11:00	65.30	7164	121	1.70
8/10/2018 12:00	64.40	7793	226	2.90
8/10/2018 13:00	64.20	8771	128	1.50
8/10/2018 14:00	61.40	9805	244	2.50
8/10/2018 15:00	58.40	9806	162	1.70
8/10/2018 16:00	62.40	9242	127	1.40
8/10/2018 17:00	63.40	9031	177	2.00
8/10/2018 18:00	66.70	7888	143	1.80
8/10/2018 19:00	67.40	6993	89	1.30
8/10/2018 20:00	64.20	6973	67	1.00
8/10/2018 21:00	67.70	6433	116	1.80
8/10/2018 22:00	68.50	5590	61	1.10
8/10/2018 23:00	69.20	4035	54	1.30
8/11/2018 0:00	68.70	2652	20	0.80
8/11/2018 1:00	69.50	1654	17	1.00
8/11/2018 2:00	68.70	1272	29	2.30
8/11/2018 3:00	69.50	723	2	0.30
8/11/2018 4:00	68.40	516	13	2.50
8/11/2018 5:00	68.10	809	21	2.60
8/11/2018 6:00	67.80	1586	47	3.00
8/11/2018 7:00	67.60	2675	55	2.10
8/11/2018 8:00	66.30	3865	61	1.60
8/11/2018 9:00	66.30	5055	92	1.80
8/11/2018 10:00	65.30	5935	97	1.60
8/11/2018 11:00	64.90	6675	112	1.70
8/11/2018 12:00	64.50	7137	95	1.30
8/11/2018 13:00	63.80	7559	141	1.90
8/11/2018 14:00	63.60	7924	106	1.30
8/11/2018 15:00	63.40	8041	105	1.30
8/11/2018 16:00	63.30	7933	120	1.50
8/11/2018 17:00	65.10	7450	102	1.40
8/11/2018 18:00	65.60	7027	66	0.90
8/11/2018 19:00	63.80	6760	93	1.40
8/11/2018 20:00	60.70	6780	69	1.00
8/11/2018 21:00	68.60	6474	64	1.00
8/11/2018 22:00	68.30	5686	74	1.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/11/2018 23:00	69.40	4183	23	0.50
8/12/2018 0:00	68.90	2880	23	0.80
8/12/2018 1:00	68.30	1738	41	2.40
8/12/2018 2:00	68.20	1340	14	1.00
8/12/2018 3:00	68.60	716	6	0.80
8/12/2018 4:00	69.10	443	2	0.50
8/12/2018 5:00	68.80	674	5	0.70
8/12/2018 6:00	69.00	1062	10	0.90
8/12/2018 7:00	68.40	1769	22	1.20
8/12/2018 8:00	68.00	2726	35	1.30
8/12/2018 9:00	65.90	3998	44	1.10
8/12/2018 10:00	66.10	5174	72	1.40
8/12/2018 11:00	65.80	5750	90	1.60
8/12/2018 12:00	65.10	6755	101	1.50
8/12/2018 13:00	65.10	7062	117	1.70
8/12/2018 14:00	64.60	7405	133	1.80
8/12/2018 15:00	65.00	7455	119	1.60
8/12/2018 16:00	65.00	7307	90	1.20
8/12/2018 17:00	65.60	7143	123	1.70
8/12/2018 18:00	65.40	6814	85	1.20
8/12/2018 19:00	64.20	6836	75	1.10
8/12/2018 20:00	62.40	6300	60	1.00
8/12/2018 21:00	69.00	5214	72	1.40
8/12/2018 22:00	68.80	3656	47	1.30
8/12/2018 23:00	69.50	2733	11	0.40
8/13/2018 0:00	68.80	1510	19	1.30
8/13/2018 1:00	68.50	839	11	1.30
8/13/2018 2:00	69.20	570	3	0.50
8/13/2018 3:00	68.90	459	5	1.10
8/13/2018 4:00	68.40	499	12	2.40
8/13/2018 5:00	69.10	1244	24	1.90
8/13/2018 6:00	69.20	2571	55	2.10
8/13/2018 7:00	68.40	4481	87	1.90
8/13/2018 8:00	67.30	5167	115	2.20
8/13/2018 9:00	65.20	5215	119	2.30
8/13/2018 10:00	66.00	5698	118	2.10
8/13/2018 11:00	65.10	6506	199	3.10
8/13/2018 12:00	65.50	7331	177	2.40
8/13/2018 13:00	64.10	8119	189	2.30
8/13/2018 14:00	63.20	9446	210	2.20
8/13/2018 15:00	58.30	10094	239	2.40
8/13/2018 16:00	38.40	9711	77	0.80
8/13/2018 17:00	26.10	8002	84	1.00
8/13/2018 18:00	33.80	7613	193	2.50
8/13/2018 19:00	67.80	6852	68	1.00
8/13/2018 20:00	64.70	6416	72	1.10
8/13/2018 21:00	68.80	5374	94	1.70
8/13/2018 22:00	68.70	3961	38	1.00
8/13/2018 23:00	68.90	2504	38	1.50
8/14/2018 0:00	68.10	1425	21	1.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/14/2018 1:00	68.40	708	6	0.80
8/14/2018 2:00	68.50	536	12	2.20
8/14/2018 3:00	68.30	323	4	1.20
8/14/2018 4:00	68.80	485	10	2.10
8/14/2018 5:00	68.80	1216	38	3.10
8/14/2018 6:00	68.00	2719	77	2.80
8/14/2018 7:00	68.00	4790	108	2.30
8/14/2018 8:00	67.10	5261	102	1.90
8/14/2018 9:00	66.40	5305	95	1.80
8/14/2018 10:00	65.50	5751	156	2.70
8/14/2018 11:00	65.10	6637	131	2.00
8/14/2018 12:00	65.20	7511	168	2.20
8/14/2018 13:00	64.40	8005	219	2.70
8/14/2018 14:00	61.90	9556	239	2.50
8/14/2018 15:00	58.50	10022	228	2.30
8/14/2018 16:00	44.20	9684	159	1.60
8/14/2018 17:00	52.10	9630	156	1.60
8/14/2018 18:00	64.80	8364	124	1.50
8/14/2018 19:00	66.00	7633	111	1.50
8/14/2018 20:00	64.60	6595	112	1.70
8/14/2018 21:00	68.90	5552	73	1.30
8/14/2018 22:00	69.00	4020	60	1.50
8/14/2018 23:00	68.10	2685	45	1.70
8/15/2018 0:00	68.70	1537	26	1.70
8/15/2018 1:00	68.40	755	14	1.90
8/15/2018 2:00	69.00	559	9	1.60
8/15/2018 3:00	68.30	375	11	2.90
8/15/2018 4:00	68.10	467	16	3.40
8/15/2018 5:00	68.80	1218	26	2.10
8/15/2018 6:00	67.70	2622	76	2.90
8/15/2018 7:00	68.00	4663	87	1.90
8/15/2018 8:00	67.20	5426	69	1.30
8/15/2018 9:00	66.00	5372	82	1.50
8/15/2018 10:00	65.80	5723	100	1.70
8/15/2018 11:00	64.70	6815	171	2.50
8/15/2018 12:00	64.50	7375	113	1.50
8/15/2018 13:00	65.20	8142	167	2.10
8/15/2018 14:00	57.90	9628	280	2.90
8/15/2018 15:00	61.20	9987	193	1.90
8/15/2018 16:00	47.70	9790	131	1.30
8/15/2018 17:00	43.40	9907	167	1.70
8/15/2018 18:00	62.90	8612	104	1.20
8/15/2018 19:00	65.90	7762	106	1.40
8/15/2018 20:00	64.40	6712	128	1.90
8/15/2018 21:00	70.10	5735	45	0.80
8/15/2018 22:00	68.50	3939	79	2.00
8/15/2018 23:00	69.00	2741	28	1.00
8/16/2018 0:00	68.90	1530	16	1.00
8/16/2018 1:00	68.20	938	11	1.20
8/16/2018 2:00	68.50	604	10	1.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/16/2018 3:00	68.40	378	4	1.10
8/16/2018 4:00	67.70	486	26	5.30
8/16/2018 5:00	68.20	1160	24	2.10
8/16/2018 6:00	68.30	2626	54	2.10
8/16/2018 7:00	68.50	4545	74	1.60
8/16/2018 8:00	67.30	5323	79	1.50
8/16/2018 9:00	66.20	5527	103	1.90
8/16/2018 10:00	65.70	5915	112	1.90
8/16/2018 11:00	64.60	6586	135	2.00
8/16/2018 12:00	64.40	7655	149	1.90
8/16/2018 13:00	63.90	8355	228	2.70
8/16/2018 14:00	40.60	9427	180	1.90
8/16/2018 15:00	27.80	8613	21	0.20
8/16/2018 16:00	23.00	8182	0	0.00
8/16/2018 17:00	24.40	8293	261	3.10
8/16/2018 18:00	63.70	8680	92	1.10
8/16/2018 19:00	64.60	8175	116	1.40
8/16/2018 20:00	62.70	7009	88	1.30
8/16/2018 21:00	68.90	5683	92	1.60
8/16/2018 22:00	70.20	4268	41	1.00
8/16/2018 23:00	68.10	2931	16	0.50
8/17/2018 0:00	68.40	1663	15	0.90
8/17/2018 1:00	68.80	992	10	1.00
8/17/2018 2:00	68.70	682	12	1.80
8/17/2018 3:00	68.20	446	8	1.80
8/17/2018 4:00	68.10	530	15	2.80
8/17/2018 5:00	69.20	1203	25	2.10
8/17/2018 6:00	68.30	2607	82	3.10
8/17/2018 7:00	67.40	4622	93	2.00
8/17/2018 8:00	67.90	5262	93	1.80
8/17/2018 9:00	66.30	5508	114	2.10
8/17/2018 10:00	64.70	6358	188	3.00
8/17/2018 11:00	64.10	7077	167	2.40
8/17/2018 12:00	64.60	8035	160	2.00
8/17/2018 13:00	62.90	8889	153	1.70
8/17/2018 14:00	61.50	9880	195	2.00
8/17/2018 15:00	61.30	9652	177	1.80
8/17/2018 16:00	61.40	9460	175	1.80
8/17/2018 17:00	63.50	9176	166	1.80
8/17/2018 18:00	67.10	7964	114	1.40
8/17/2018 19:00	66.70	7567	95	1.30
8/17/2018 20:00	63.90	7068	89	1.30
8/17/2018 21:00	68.60	6556	63	1.00
8/17/2018 22:00	68.70	5403	51	0.90
8/17/2018 23:00	68.70	4053	63	1.60
8/18/2018 0:00	68.50	2600	40	1.50
8/18/2018 1:00	69.80	1674	28	1.70
8/18/2018 2:00	69.70	1242	15	1.20
8/18/2018 3:00	68.60	739	6	0.80
8/18/2018 4:00	68.80	536	10	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/18/2018 5:00	68.70	796	15	1.90
8/18/2018 6:00	69.10	1478	29	2.00
8/18/2018 7:00	69.10	2535	48	1.90
8/18/2018 8:00	67.20	3642	45	1.20
8/18/2018 9:00	67.20	4873	79	1.60
8/18/2018 10:00	67.50	5985	64	1.10
8/18/2018 11:00	65.90	6690	99	1.50
8/18/2018 12:00	64.30	7337	119	1.60
8/18/2018 13:00	63.70	7984	126	1.60
8/18/2018 14:00	64.80	8166	158	1.90
8/18/2018 15:00	64.80	8412	123	1.50
8/18/2018 16:00	63.80	8280	112	1.40
8/18/2018 17:00	65.30	7804	165	2.10
8/18/2018 18:00	65.60	7396	109	1.50
8/18/2018 19:00	64.20	7283	79	1.10
8/18/2018 20:00	61.30	7041	112	1.60
8/18/2018 21:00	68.70	6708	60	0.90
8/18/2018 22:00	69.30	5491	82	1.50
8/18/2018 23:00	67.30	4101	43	1.00
8/19/2018 0:00	67.60	2651	34	1.30
8/19/2018 1:00	69.20	1721	19	1.10
8/19/2018 2:00	68.70	1400	11	0.80
8/19/2018 3:00	68.20	715	6	0.80
8/19/2018 4:00	68.70	468	4	0.90
8/19/2018 5:00	68.70	647	5	0.80
8/19/2018 6:00	68.60	1135	4	0.40
8/19/2018 7:00	68.40	1787	34	1.90
8/19/2018 8:00	69.10	2805	37	1.30
8/19/2018 9:00	67.80	4323	51	1.20
8/19/2018 10:00	66.00	5359	74	1.40
8/19/2018 11:00	64.70	6081	104	1.70
8/19/2018 12:00	63.60	6950	103	1.50
8/19/2018 13:00	65.10	6989	130	1.90
8/19/2018 14:00	64.40	7447	133	1.80
8/19/2018 15:00	63.70	7811	123	1.60
8/19/2018 16:00	65.20	7593	97	1.30
8/19/2018 17:00	65.70	7418	103	1.40
8/19/2018 18:00	64.70	7140	90	1.30
8/19/2018 19:00	64.50	6804	63	0.90
8/19/2018 20:00	62.10	6608	89	1.30
8/19/2018 21:00	68.40	4943	63	1.30
8/19/2018 22:00	69.40	3682	56	1.50
8/19/2018 23:00	68.80	2467	28	1.10
8/20/2018 0:00	68.10	1437	19	1.30
8/20/2018 1:00	69.40	826	2	0.20
8/20/2018 2:00	68.50	513	9	1.80
8/20/2018 3:00	68.60	367	1	0.30
8/20/2018 4:00	68.50	499	5	1.00
8/20/2018 5:00	68.60	1198	8	0.70
8/20/2018 6:00	68.10	2592	42	1.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/20/2018 7:00	68.00	4643	53	1.10
8/20/2018 8:00	66.30	5384	125	2.30
8/20/2018 9:00	65.60	5225	99	1.90
8/20/2018 10:00	65.80	5695	84	1.50
8/20/2018 11:00	64.80	6776	113	1.70
8/20/2018 12:00	65.70	7218	158	2.20
8/20/2018 13:00	64.40	8027	144	1.80
8/20/2018 14:00	59.70	9789	256	2.60
8/20/2018 15:00	59.10	10041	190	1.90
8/20/2018 16:00	38.70	9877	173	1.80
8/20/2018 17:00	40.40	9589	81	0.80
8/20/2018 18:00	64.40	8531	139	1.60
8/20/2018 19:00	65.90	7113	78	1.10
8/20/2018 20:00	64.30	6137	67	1.10
8/20/2018 21:00	69.20	5044	98	1.90
8/20/2018 22:00	69.90	3728	59	1.60
8/20/2018 23:00	69.20	2372	26	1.10
8/21/2018 0:00	68.60	1301	11	0.80
8/21/2018 1:00	68.20	748	10	1.30
8/21/2018 2:00	68.40	487	10	2.10
8/21/2018 3:00	67.90	326	9	2.80
8/21/2018 4:00	68.70	474	6	1.30
8/21/2018 5:00	68.00	1230	21	1.70
8/21/2018 6:00	68.10	2677	42	1.60
8/21/2018 7:00	68.80	4951	75	1.50
8/21/2018 8:00	68.00	5560	109	2.00
8/21/2018 9:00	66.50	5519	108	2.00
8/21/2018 10:00	66.10	5798	140	2.40
8/21/2018 11:00	64.90	6835	155	2.30
8/21/2018 12:00	65.20	7613	154	2.00
8/21/2018 13:00	64.10	8058	134	1.70
8/21/2018 14:00	60.70	9702	227	2.30
8/21/2018 15:00	50.20	10004	158	1.60
8/21/2018 16:00	52.20	10139	193	1.90
8/21/2018 17:00	33.60	9275	72	0.80
8/21/2018 18:00	58.10	9398	143	1.50
8/21/2018 19:00	64.90	8252	110	1.30
8/21/2018 20:00	63.60	6898	92	1.30
8/21/2018 21:00	68.00	5655	71	1.30
8/21/2018 22:00	70.00	3943	65	1.60
8/21/2018 23:00	69.20	2716	41	1.50
8/22/2018 0:00	69.30	1455	13	0.90
8/22/2018 1:00	67.90	821	12	1.50
8/22/2018 2:00	68.70	555	8	1.40
8/22/2018 3:00	68.30	323	10	3.10
8/22/2018 4:00	68.00	475	15	3.20
8/22/2018 5:00	67.50	1189	37	3.10
8/22/2018 6:00	67.30	2811	47	1.70
8/22/2018 7:00	69.20	4833	83	1.70
8/22/2018 8:00	67.60	5653	120	2.10



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/22/2018 9:00	66.30	5452	147	2.70
8/22/2018 10:00	67.00	5690	148	2.60
8/22/2018 11:00	65.10	6739	174	2.60
8/22/2018 12:00	64.90	7651	167	2.20
8/22/2018 13:00	65.00	8194	204	2.50
8/22/2018 14:00	63.00	9579	219	2.30
8/22/2018 15:00	56.40	9493	191	2.00
8/22/2018 16:00	58.20	8109	72	0.90
8/22/2018 17:00	36.40	9412	225	2.40
8/22/2018 18:00	61.70	9421	144	1.50
8/22/2018 19:00	64.30	8183	141	1.70
8/22/2018 20:00	64.00	7104	124	1.70
8/22/2018 21:00	68.70	5581	81	1.50
8/22/2018 22:00	69.40	4015	67	1.70
8/22/2018 23:00	68.40	2696	28	1.00
8/23/2018 0:00	68.80	1523	11	0.70
8/23/2018 1:00	68.60	801	4	0.50
8/23/2018 2:00	68.50	590	6	1.00
8/23/2018 3:00	68.50	373	5	1.30
8/23/2018 4:00	68.30	513	13	2.50
8/23/2018 5:00	68.70	1252	20	1.60
8/23/2018 6:00	66.60	2717	52	1.90
8/23/2018 7:00	68.80	5090	126	2.50
8/23/2018 8:00	67.00	5727	109	1.90
8/23/2018 9:00	64.90	5704	142	2.50
8/23/2018 10:00	65.00	5851	153	2.60
8/23/2018 11:00	65.00	6899	154	2.20
8/23/2018 12:00	64.00	7692	168	2.20
8/23/2018 13:00	62.60	8613	207	2.40
8/23/2018 14:00	58.50	9993	306	3.10
8/23/2018 15:00	47.50	9774	116	1.20
8/23/2018 16:00	38.90	9456	49	0.50
8/23/2018 17:00	58.50	9616	158	1.60
8/23/2018 18:00	29.80	7661	80	1.00
8/23/2018 19:00	30.30	7471	100	1.30
8/23/2018 20:00	62.70	6939	76	1.10
8/23/2018 21:00	68.30	5850	114	1.90
8/23/2018 22:00	69.40	4373	53	1.20
8/23/2018 23:00	69.00	2622	60	2.30
8/24/2018 0:00	68.40	1603	30	1.90
8/24/2018 1:00	67.60	873	13	1.50
8/24/2018 2:00	68.20	638	12	1.90
8/24/2018 3:00	68.70	463	15	3.20
8/24/2018 4:00	68.60	513	25	4.90
8/24/2018 5:00	69.40	1198	14	1.20
8/24/2018 6:00	68.10	2721	44	1.60
8/24/2018 7:00	67.60	5097	87	1.70
8/24/2018 8:00	67.30	5739	114	2.00
8/24/2018 9:00	66.20	6011	87	1.40
8/24/2018 10:00	64.80	6483	127	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/24/2018 11:00	63.90	7773	186	2.40
8/24/2018 12:00	63.60	8482	185	2.20
8/24/2018 13:00	63.10	9487	245	2.60
8/24/2018 14:00	57.00	10163	290	2.90
8/24/2018 15:00	41.50	9810	93	0.90
8/24/2018 16:00	31.50	9283	22	0.20
8/24/2018 17:00	55.70	8840	126	1.40
8/24/2018 18:00	64.80	8582	166	1.90
8/24/2018 19:00	65.00	7740	136	1.80
8/24/2018 20:00	63.90	6946	159	2.30
8/24/2018 21:00	67.60	6718	128	1.90
8/24/2018 22:00	69.20	5436	123	2.30
8/24/2018 23:00	68.20	3988	67	1.70
8/25/2018 0:00	68.20	2674	35	1.30
8/25/2018 1:00	68.20	1647	38	2.30
8/25/2018 2:00	68.20	1203	20	1.70
8/25/2018 3:00	68.70	654	12	1.80
8/25/2018 4:00	68.80	474	14	3.00
8/25/2018 5:00	67.70	712	30	4.20
8/25/2018 6:00	68.90	1496	38	2.50
8/25/2018 7:00	68.50	2532	46	1.80
8/25/2018 8:00	66.60	3882	82	2.10
8/25/2018 9:00	66.60	5699	128	2.20
8/25/2018 10:00	66.50	6036	106	1.80
8/25/2018 11:00	40.90	6761	260	3.80
8/25/2018 12:00	63.60	7462	130	1.70
8/25/2018 13:00	64.10	8022	164	2.00
8/25/2018 14:00	63.90	8508	191	2.20
8/25/2018 15:00	64.40	8527	156	1.80
8/25/2018 16:00	63.00	8658	151	1.70
8/25/2018 17:00	64.20	7958	187	2.30
8/25/2018 18:00	65.10	7293	135	1.90
8/25/2018 19:00	63.50	7277	106	1.50
8/25/2018 20:00	61.20	6948	164	2.40
8/25/2018 21:00	67.90	6409	126	2.00
8/25/2018 22:00	69.60	5789	109	1.90
8/25/2018 23:00	67.70	4275	69	1.60
8/26/2018 0:00	68.40	2679	46	1.70
8/26/2018 1:00	68.20	1689	22	1.30
8/26/2018 2:00	68.50	1350	14	1.00
8/26/2018 3:00	69.10	718	6	0.80
8/26/2018 4:00	68.30	450	9	2.00
8/26/2018 5:00	68.40	593	9	1.50
8/26/2018 6:00	68.40	1106	26	2.40
8/26/2018 7:00	68.00	1774	36	2.00
8/26/2018 8:00	67.10	2714	64	2.40
8/26/2018 9:00	66.60	4116	79	1.90
8/26/2018 10:00	66.00	5342	98	1.80
8/26/2018 11:00	64.60	6289	134	2.10
8/26/2018 12:00	65.20	7197	167	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/26/2018 13:00	65.40	7468	170	2.30
8/26/2018 14:00	64.60	7978	197	2.50
8/26/2018 15:00	65.20	8123	143	1.80
8/26/2018 16:00	64.40	7783	127	1.60
8/26/2018 17:00	64.50	7587	137	1.80
8/26/2018 18:00	65.70	7114	97	1.40
8/26/2018 19:00	63.50	7049	88	1.20
8/26/2018 20:00	62.00	6316	145	2.30
8/26/2018 21:00	68.00	4662	84	1.80
8/26/2018 22:00	68.10	3557	74	2.10
8/26/2018 23:00	68.30	2485	37	1.50
8/27/2018 0:00	68.20	1448	25	1.70
8/27/2018 1:00	68.20	721	17	2.40
8/27/2018 2:00	68.40	521	11	2.10
8/27/2018 3:00	68.30	334	0	0.00
8/27/2018 4:00	67.00	498	28	5.60
8/27/2018 5:00	67.40	1193	49	4.10
8/27/2018 6:00	66.20	2995	110	3.70
8/27/2018 7:00	67.10	5300	176	3.30
8/27/2018 8:00	63.70	6041	165	2.70
8/27/2018 9:00	64.60	5740	154	2.70
8/27/2018 10:00	63.90	5939	195	3.30
8/27/2018 11:00	64.20	6834	161	2.40
8/27/2018 12:00	65.00	7414	165	2.20
8/27/2018 13:00	63.70	8070	184	2.30
8/27/2018 14:00	61.20	9760	334	3.40
8/27/2018 15:00	56.10	10157	270	2.70
8/27/2018 16:00	40.80	9431	80	0.80
8/27/2018 17:00	60.80	9868	143	1.40
8/27/2018 18:00	64.50	8269	182	2.20
8/27/2018 19:00	65.00	6946	122	1.80
8/27/2018 20:00	64.20	5818	138	2.40
8/27/2018 21:00	67.50	4690	91	1.90
8/27/2018 22:00	69.00	3178	58	1.80
8/27/2018 23:00	68.50	2043	43	2.10
8/28/2018 0:00	68.10	1103	24	2.20
8/28/2018 1:00	68.20	612	10	1.60
8/28/2018 2:00	68.20	479	12	2.50
8/28/2018 3:00	68.10	326	1	0.30
8/28/2018 4:00	67.90	472	13	2.80
8/28/2018 5:00	67.40	1212	48	4.00
8/28/2018 6:00	67.00	3038	98	3.20
8/28/2018 7:00	68.10	5846	149	2.50
8/28/2018 8:00	67.40	6018	160	2.70
8/28/2018 9:00	66.80	5720	156	2.70
8/28/2018 10:00	65.10	6113	189	3.10
8/28/2018 11:00	64.30	6838	164	2.40
8/28/2018 12:00	65.00	7487	166	2.20
8/28/2018 13:00	64.00	8365	251	3.00
8/28/2018 14:00	62.50	9833	257	2.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/28/2018 15:00	57.20	10343	307	3.00
8/28/2018 16:00	60.40	9610	152	1.60
8/28/2018 17:00	48.20	9619	130	1.40
8/28/2018 18:00	63.90	9066	168	1.90
8/28/2018 19:00	65.60	7324	150	2.00
8/28/2018 20:00	64.20	6128	136	2.20
8/28/2018 21:00	68.70	5455	100	1.80
8/28/2018 22:00	66.90	3818	77	2.00
8/28/2018 23:00	67.90	2257	48	2.10
8/29/2018 0:00	69.00	1315	25	1.90
8/29/2018 1:00	68.00	721	15	2.10
8/29/2018 2:00	67.90	495	5	1.00
8/29/2018 3:00	68.60	310	10	3.20
8/29/2018 4:00	68.70	466	10	2.10
8/29/2018 5:00	68.00	1260	41	3.30
8/29/2018 6:00	67.30	2991	66	2.20
8/29/2018 7:00	68.60	5415	129	2.40
8/29/2018 8:00	66.50	6204	179	2.90
8/29/2018 9:00	66.10	5801	140	2.40
8/29/2018 10:00	66.30	5942	167	2.80
8/29/2018 11:00	66.40	6902	226	3.30
8/29/2018 12:00	64.50	7688	193	2.50
8/29/2018 13:00	63.30	8615	201	2.30
8/29/2018 14:00	59.10	9643	218	2.30
8/29/2018 15:00	52.90	10129	248	2.40
8/29/2018 16:00	34.40	9794	293	3.00
8/29/2018 17:00	39.60	9149	99	1.10
8/29/2018 18:00	63.40	9012	152	1.70
8/29/2018 19:00	64.90	7631	153	2.00
8/29/2018 20:00	64.10	6648	166	2.50
8/29/2018 21:00	67.90	5432	99	1.80
8/29/2018 22:00	69.00	3750	72	1.90
8/29/2018 23:00	67.60	2444	40	1.60
8/30/2018 0:00	68.70	1390	25	1.80
8/30/2018 1:00	68.70	781	20	2.60
8/30/2018 2:00	68.50	534	7	1.30
8/30/2018 3:00	68.30	318	5	1.60
8/30/2018 4:00	67.90	474	12	2.50
8/30/2018 5:00	67.90	1177	37	3.10
8/30/2018 6:00	66.10	3019	84	2.80
8/30/2018 7:00	68.00	5731	144	2.50
8/30/2018 8:00	66.70	5634	163	2.90
8/30/2018 9:00	66.10	5687	144	2.50
8/30/2018 10:00	65.80	6202	147	2.40
8/30/2018 11:00	64.90	6974	204	2.90
8/30/2018 12:00	64.60	7814	201	2.60
8/30/2018 13:00	63.10	8572	231	2.70
8/30/2018 14:00	61.00	9659	277	2.90
8/30/2018 15:00	44.90	9770	190	1.90
8/30/2018 16:00	32.70	9123	54	0.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/30/2018 17:00	57.80	9403	191	2.00
8/30/2018 18:00	63.70	8587	174	2.00
8/30/2018 19:00	64.00	7789	157	2.00
8/30/2018 20:00	62.60	6942	170	2.40
8/30/2018 21:00	68.80	5673	170	3.00
8/30/2018 22:00	66.70	4437	110	2.50
8/30/2018 23:00	68.80	2925	59	2.00
8/31/2018 0:00	68.60	1626	17	1.00
8/31/2018 1:00	67.70	934	32	3.40
8/31/2018 2:00	67.70	705	13	1.80
8/31/2018 3:00	68.40	387	8	2.10
8/31/2018 4:00	68.70	539	19	3.50
8/31/2018 5:00	67.30	1309	39	3.00
8/31/2018 6:00	66.10	2817	77	2.70
8/31/2018 7:00	67.70	5377	151	2.80
8/31/2018 8:00	66.50	5758	164	2.80
8/31/2018 9:00	65.10	5903	176	3.00
8/31/2018 10:00	65.10	6615	160	2.40
8/31/2018 11:00	64.40	7728	218	2.80
8/31/2018 12:00	63.60	8732	212	2.40
8/31/2018 13:00	61.70	9583	242	2.50
8/31/2018 14:00	59.10	10245	274	2.70
8/31/2018 15:00	56.10	9710	156	1.60
8/31/2018 16:00	60.50	9300	192	2.10
8/31/2018 17:00	64.00	8622	184	2.10
8/31/2018 18:00	65.30	8333	201	2.40
8/31/2018 19:00	64.60	7620	169	2.20
8/31/2018 20:00	63.50	6820	141	2.10
8/31/2018 21:00	67.40	6351	145	2.30
8/31/2018 22:00	67.60	5275	119	2.30
8/31/2018 23:00	67.50	4025	51	1.30
9/01/2018 0:00	67.50	2526	39	1.50
9/01/2018 1:00	67.90	1587	16	1.00
9/01/2018 2:00	67.10	1247	31	2.50
9/01/2018 3:00	67.00	771	27	3.50
9/01/2018 4:00	67.50	590	32	5.40
9/01/2018 5:00	68.70	804	11	1.40
9/01/2018 6:00	67.80	1395	31	2.20
9/01/2018 7:00	68.20	2571	39	1.50
9/01/2018 8:00	67.30	3669	67	1.80
9/01/2018 9:00	67.00	4754	101	2.10
9/01/2018 10:00	66.40	5731	109	1.90
9/01/2018 11:00	65.60	6412	132	2.10
9/01/2018 12:00	65.40	7123	127	1.80
9/01/2018 13:00	65.10	7387	155	2.10
9/01/2018 14:00	63.50	8123	174	2.10
9/01/2018 15:00	64.40	7817	161	2.10
9/01/2018 16:00	64.50	8151	163	2.00
9/01/2018 17:00	64.90	7676	142	1.80
9/01/2018 18:00	64.10	7740	167	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/01/2018 19:00	62.40	7380	174	2.40
9/01/2018 20:00	61.30	6530	161	2.50
9/01/2018 21:00	69.40	6189	153	2.50
9/01/2018 22:00	68.80	5365	103	1.90
9/01/2018 23:00	68.10	4572	70	1.50
9/02/2018 0:00	68.40	2519	31	1.20
9/02/2018 1:00	68.40	1604	31	1.90
9/02/2018 2:00	68.80	1314	15	1.10
9/02/2018 3:00	68.90	736	4	0.50
9/02/2018 4:00	68.90	461	5	1.10
9/02/2018 5:00	67.80	569	14	2.50
9/02/2018 6:00	68.30	1019	9	0.90
9/02/2018 7:00	68.40	1750	16	0.90
9/02/2018 8:00	67.20	2529	32	1.30
9/02/2018 9:00	66.50	3780	74	2.00
9/02/2018 10:00	66.60	4923	85	1.70
9/02/2018 11:00	65.70	5818	105	1.80
9/02/2018 12:00	65.30	6620	132	2.00
9/02/2018 13:00	65.40	6947	132	1.90
9/02/2018 14:00	64.10	7361	161	2.20
9/02/2018 15:00	63.90	7360	234	3.20
9/02/2018 16:00	64.30	7501	131	1.70
9/02/2018 17:00	64.20	7305	114	1.60
9/02/2018 18:00	64.90	6789	102	1.50
9/02/2018 19:00	62.50	7129	132	1.90
9/02/2018 20:00	61.20	6210	108	1.70
9/02/2018 21:00	67.30	5380	86	1.60
9/02/2018 22:00	67.10	4654	65	1.40
9/02/2018 23:00	67.40	3317	61	1.80
9/03/2018 0:00	67.90	2056	39	1.90
9/03/2018 1:00	68.40	1155	33	2.90
9/03/2018 2:00	69.00	994	15	1.50
9/03/2018 3:00	69.20	544	7	1.30
9/03/2018 4:00	68.00	465	16	3.40
9/03/2018 5:00	67.90	688	22	3.20
9/03/2018 6:00	68.90	1119	17	1.50
9/03/2018 7:00	68.60	1852	35	1.90
9/03/2018 8:00	68.10	2662	55	2.10
9/03/2018 9:00	66.60	3850	54	1.40
9/03/2018 10:00	67.40	4931	74	1.50
9/03/2018 11:00	66.50	5938	84	1.40
9/03/2018 12:00	65.60	6658	92	1.40
9/03/2018 13:00	66.70	7139	110	1.50
9/03/2018 14:00	66.40	7462	133	1.80
9/03/2018 15:00	66.60	7356	127	1.70
9/03/2018 16:00	67.30	7004	118	1.70
9/03/2018 17:00	66.50	6666	89	1.30
9/03/2018 18:00	66.80	6374	98	1.50
9/03/2018 19:00	65.70	5969	117	2.00
9/03/2018 20:00	64.30	5396	103	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/03/2018 21:00	68.90	4357	93	2.10
9/03/2018 22:00	68.70	3329	61	1.80
9/03/2018 23:00	68.80	2175	41	1.90
9/04/2018 0:00	68.80	1225	14	1.10
9/04/2018 1:00	67.20	597	24	4.00
9/04/2018 2:00	68.50	432	9	2.10
9/04/2018 3:00	68.50	325	5	1.50
9/04/2018 4:00	68.50	465	16	3.40
9/04/2018 5:00	67.90	1266	46	3.60
9/04/2018 6:00	66.70	3055	111	3.60
9/04/2018 7:00	68.40	5749	163	2.80
9/04/2018 8:00	66.30	6163	178	2.90
9/04/2018 9:00	65.20	5756	116	2.00
9/04/2018 10:00	64.50	6191	150	2.40
9/04/2018 11:00	64.10	6954	169	2.40
9/04/2018 12:00	63.80	7639	155	2.00
9/04/2018 13:00	63.60	8310	187	2.30
9/04/2018 14:00	61.70	9779	286	2.90
9/04/2018 15:00	56.30	10489	247	2.40
9/04/2018 16:00	35.40	9831	192	2.00
9/04/2018 17:00	60.90	10012	192	1.90
9/04/2018 18:00	64.50	8719	169	1.90
9/04/2018 19:00	65.30	6840	175	2.60
9/04/2018 20:00	65.20	5584	89	1.60
9/04/2018 21:00	69.30	4813	110	2.30
9/04/2018 22:00	69.00	3265	70	2.10
9/04/2018 23:00	68.00	2075	47	2.30
9/05/2018 0:00	68.80	1110	27	2.40
9/05/2018 1:00	68.80	627	14	2.20
9/05/2018 2:00	66.90	460	19	4.10
9/05/2018 3:00	67.40	291	6	2.10
9/05/2018 4:00	68.20	493	10	2.00
9/05/2018 5:00	68.10	1213	34	2.80
9/05/2018 6:00	68.10	2912	90	3.10
9/05/2018 7:00	67.90	5486	138	2.50
9/05/2018 8:00	66.60	6116	159	2.60
9/05/2018 9:00	66.30	5785	146	2.50
9/05/2018 10:00	65.30	6231	160	2.60
9/05/2018 11:00	64.90	7145	171	2.40
9/05/2018 12:00	65.30	7590	181	2.40
9/05/2018 13:00	64.10	8307	175	2.10
9/05/2018 14:00	61.00	9875	269	2.70
9/05/2018 15:00	46.70	10150	196	1.90
9/05/2018 16:00	45.10	9514	145	1.50
9/05/2018 17:00	49.60	9049	92	1.00
9/05/2018 18:00	63.00	9220	172	1.90
9/05/2018 19:00	62.50	8359	207	2.50
9/05/2018 20:00	63.50	6638	203	3.10
9/05/2018 21:00	68.60	5414	103	1.90
9/05/2018 22:00	68.90	3994	64	1.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/05/2018 23:00	68.50	2691	30	1.10
9/06/2018 0:00	68.90	1537	17	1.10
9/06/2018 1:00	68.50	897	12	1.30
9/06/2018 2:00	68.70	600	6	1.00
9/06/2018 3:00	68.60	379	2	0.50
9/06/2018 4:00	68.10	517	17	3.30
9/06/2018 5:00	68.40	1229	29	2.40
9/06/2018 6:00	67.30	2759	69	2.50
9/06/2018 7:00	68.50	4964	105	2.10
9/06/2018 8:00	66.80	5492	101	1.80
9/06/2018 9:00	66.00	5592	133	2.40
9/06/2018 10:00	65.50	6023	140	2.30
9/06/2018 11:00	63.90	6867	193	2.80
9/06/2018 12:00	64.40	7583	178	2.30
9/06/2018 13:00	62.60	8477	215	2.50
9/06/2018 14:00	51.30	9854	190	1.90
9/06/2018 15:00	39.20	8864	141	1.60
9/06/2018 16:00	22.70	7926	0	0.00
9/06/2018 17:00	27.00	8834	66	0.70
9/06/2018 18:00	49.70	9322	157	1.70
9/06/2018 19:00	61.60	7987	181	2.30
9/06/2018 20:00	64.20	6515	132	2.00
9/06/2018 21:00	68.40	5645	146	2.60
9/06/2018 22:00	67.80	3769	86	2.30
9/06/2018 23:00	67.50	2483	49	2.00
9/07/2018 0:00	68.60	1346	15	1.10
9/07/2018 1:00	67.10	824	27	3.30
9/07/2018 2:00	67.30	619	11	1.80
9/07/2018 3:00	67.80	356	16	4.50
9/07/2018 4:00	67.30	523	30	5.70
9/07/2018 5:00	67.20	1197	37	3.10
9/07/2018 6:00	66.40	2712	97	3.60
9/07/2018 7:00	68.50	5229	143	2.70
9/07/2018 8:00	66.80	5760	151	2.60
9/07/2018 9:00	65.70	5859	153	2.60
9/07/2018 10:00	65.60	6269	204	3.30
9/07/2018 11:00	64.10	7311	205	2.80
9/07/2018 12:00	64.30	8230	179	2.20
9/07/2018 13:00	63.60	9235	237	2.60
9/07/2018 14:00	61.00	10093	293	2.90
9/07/2018 15:00	49.40	9898	170	1.70
9/07/2018 16:00	55.90	9578	156	1.60
9/07/2018 17:00	61.20	9443	194	2.10
9/07/2018 18:00	63.90	9045	199	2.20
9/07/2018 19:00	63.70	7615	163	2.10
9/07/2018 20:00	63.20	6712	169	2.50
9/07/2018 21:00	68.20	6428	129	2.00
9/07/2018 22:00	69.20	5131	107	2.10
9/07/2018 23:00	68.60	3777	76	2.00
9/08/2018 0:00	69.00	2429	52	2.10



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/08/2018 1:00	67.60	1519	35	2.30
9/08/2018 2:00	67.90	1179	26	2.20
9/08/2018 3:00	68.20	653	7	1.10
9/08/2018 4:00	68.10	466	17	3.60
9/08/2018 5:00	68.00	708	20	2.80
9/08/2018 6:00	67.50	1494	55	3.70
9/08/2018 7:00	67.60	2674	71	2.70
9/08/2018 8:00	67.50	3786	76	2.00
9/08/2018 9:00	66.40	4918	91	1.90
9/08/2018 10:00	65.90	6009	107	1.80
9/08/2018 11:00	64.90	6921	147	2.10
9/08/2018 12:00	64.40	7812	188	2.40
9/08/2018 13:00	63.70	8001	132	1.60
9/08/2018 14:00	64.70	8222	134	1.60
9/08/2018 15:00	64.20	8522	187	2.20
9/08/2018 16:00	63.90	8525	163	1.90
9/08/2018 17:00	65.30	7807	140	1.80
9/08/2018 18:00	65.40	7009	109	1.60
9/08/2018 19:00	62.60	6805	118	1.70
9/08/2018 20:00	62.20	6078	131	2.20
9/08/2018 21:00	64.40	6401	128	2.00
9/08/2018 22:00	69.30	5536	100	1.80
9/08/2018 23:00	67.80	3873	87	2.20
9/09/2018 0:00	69.50	2557	31	1.20
9/09/2018 1:00	68.90	1584	32	2.00
9/09/2018 2:00	68.00	1314	29	2.20
9/09/2018 3:00	68.10	660	17	2.60
9/09/2018 4:00	68.80	458	10	2.20
9/09/2018 5:00	68.00	645	17	2.60
9/09/2018 6:00	68.20	1121	16	1.40
9/09/2018 7:00	68.30	1720	27	1.60
9/09/2018 8:00	67.30	2782	53	1.90
9/09/2018 9:00	67.00	4222	100	2.40
9/09/2018 10:00	66.30	5191	100	1.90
9/09/2018 11:00	66.90	5912	97	1.60
9/09/2018 12:00	65.00	7159	153	2.10
9/09/2018 13:00	65.10	6934	155	2.20
9/09/2018 14:00	64.10	7502	148	2.00
9/09/2018 15:00	63.90	7536	130	1.70
9/09/2018 16:00	64.30	7337	116	1.60
9/09/2018 17:00	64.40	7675	168	2.20
9/09/2018 18:00	64.40	7241	104	1.40
9/09/2018 19:00	61.20	7112	128	1.80
9/09/2018 20:00	62.30	5787	132	2.30
9/09/2018 21:00	68.30	4575	94	2.10
9/09/2018 22:00	69.10	3425	83	2.40
9/09/2018 23:00	69.20	2307	46	2.00
9/10/2018 0:00	68.10	1326	29	2.20
9/10/2018 1:00	68.40	694	9	1.30
9/10/2018 2:00	68.60	481	15	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/10/2018 3:00	68.40	307	12	3.90
9/10/2018 4:00	68.40	507	9	1.80
9/10/2018 5:00	67.20	1204	18	1.50
9/10/2018 6:00	65.90	2759	62	2.20
9/10/2018 7:00	66.60	5451	132	2.40
9/10/2018 8:00	65.50	5928	177	3.00
9/10/2018 9:00	62.90	5689	193	3.40
9/10/2018 10:00	63.90	5998	149	2.50
9/10/2018 11:00	62.80	6873	218	3.20
9/10/2018 12:00	62.10	7493	222	3.00
9/10/2018 13:00	63.30	7449	163	2.20
9/10/2018 14:00	59.30	9389	229	2.40
9/10/2018 15:00	52.50	10236	330	3.20
9/10/2018 16:00	47.80	9770	232	2.40
9/10/2018 17:00	31.80	8499	397	4.70
9/10/2018 18:00	33.50	8069	851	10.50
9/10/2018 19:00	63.20	6868	142	2.10
9/10/2018 20:00	64.50	5444	112	2.10
9/10/2018 21:00	67.60	4635	82	1.80
9/10/2018 22:00	68.60	3163	68	2.10
9/10/2018 23:00	67.60	2026	18	0.90
9/11/2018 0:00	55.00	1077	14	1.30
9/11/2018 1:00	45.90	637	20	3.10
9/11/2018 2:00	44.60	429	3	0.70
9/11/2018 3:00	43.40	312	11	3.50
9/11/2018 4:00	42.20	477	18	3.80
9/11/2018 5:00	42.10	1277	37	2.90
9/11/2018 6:00	41.70	2992	109	3.60
9/11/2018 7:00	42.90	5994	140	2.30
9/11/2018 8:00	42.30	6002	178	3.00
9/11/2018 9:00	41.90	5725	154	2.70
9/11/2018 10:00	41.20	6023	163	2.70
9/11/2018 11:00	41.30	6886	170	2.50
9/11/2018 12:00	40.50	7407	249	3.40
9/11/2018 13:00	40.20	8271	269	3.30
9/11/2018 14:00	39.10	9805	274	2.80
9/11/2018 15:00	22.20	9633	84	0.90
9/11/2018 16:00	19.10	8986	56	0.60
9/11/2018 17:00	20.70	9305	107	1.10
9/11/2018 18:00	32.30	9465	230	2.40
9/11/2018 19:00	37.40	8416	332	3.90
9/11/2018 20:00	41.40	6045	129	2.10
9/11/2018 21:00	42.70	5306	108	2.00
9/11/2018 22:00	44.20	3600	60	1.70
9/11/2018 23:00	44.10	2394	67	2.80
9/12/2018 0:00	68.70	1255	32	2.50
9/12/2018 1:00	68.30	636	15	2.40
9/12/2018 2:00	68.30	494	14	2.80
9/12/2018 3:00	68.50	311	13	4.20
9/12/2018 4:00	68.40	474	20	4.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/12/2018 5:00	68.10	1256	47	3.70
9/12/2018 6:00	66.40	2974	99	3.30
9/12/2018 7:00	67.70	5749	160	2.80
9/12/2018 8:00	67.30	6260	156	2.50
9/12/2018 9:00	65.20	5822	166	2.90
9/12/2018 10:00	64.40	6080	181	3.00
9/12/2018 11:00	64.50	6912	205	3.00
9/12/2018 12:00	63.80	7520	218	2.90
9/12/2018 13:00	62.90	8560	288	3.40
9/12/2018 14:00	59.80	9968	295	3.00
9/12/2018 15:00	58.40	10003	174	1.70
9/12/2018 16:00	39.30	9401	158	1.70
9/12/2018 17:00	31.80	9152	65	0.70
9/12/2018 18:00	42.00	9162	201	2.20
9/12/2018 19:00	59.90	8509	230	2.70
9/12/2018 20:00	63.80	7135	181	2.50
9/12/2018 21:00	67.40	5684	111	2.00
9/12/2018 22:00	68.60	3886	91	2.30
9/12/2018 23:00	68.50	2628	33	1.30
9/13/2018 0:00	68.30	1451	27	1.90
9/13/2018 1:00	66.90	923	28	3.00
9/13/2018 2:00	67.00	637	17	2.70
9/13/2018 3:00	66.50	561	13	2.30
9/13/2018 4:00	67.20	584	12	2.10
9/13/2018 5:00	67.00	1254	64	5.10
9/13/2018 6:00	67.50	2912	98	3.40
9/13/2018 7:00	67.60	5770	144	2.50
9/13/2018 8:00	66.60	6112	126	2.10
9/13/2018 9:00	65.60	5854	129	2.20
9/13/2018 10:00	64.80	6219	152	2.40
9/13/2018 11:00	64.30	7128	234	3.30
9/13/2018 12:00	63.70	7852	197	2.50
9/13/2018 13:00	61.30	8551	282	3.30
9/13/2018 14:00	59.00	10055	295	2.90
9/13/2018 15:00	51.30	10101	224	2.20
9/13/2018 16:00	33.70	9547	200	2.10
9/13/2018 17:00	50.00	9328	158	1.70
9/13/2018 18:00	61.50	9122	203	2.20
9/13/2018 19:00	59.90	8412	192	2.30
9/13/2018 20:00	62.20	6974	147	2.10
9/13/2018 21:00	65.90	5962	136	2.30
9/13/2018 22:00	64.00	4181	257	6.10
9/13/2018 23:00	67.00	3030	147	4.90
9/14/2018 0:00	66.20	1587	80	5.00
9/14/2018 1:00	68.10	891	36	4.00
9/14/2018 2:00	69.50	669	21	3.10
9/14/2018 3:00	68.70	400	12	3.00
9/14/2018 4:00	68.40	547	10	1.80
9/14/2018 5:00	68.50	1207	29	2.40
9/14/2018 6:00	67.30	2967	119	4.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/14/2018 7:00	67.40	5391	150	2.80
9/14/2018 8:00	67.10	5802	146	2.50
9/14/2018 9:00	64.50	5771	180	3.10
9/14/2018 10:00	64.50	6362	185	2.90
9/14/2018 11:00	63.80	7534	211	2.80
9/14/2018 12:00	63.50	8372	173	2.10
9/14/2018 13:00	62.60	9193	244	2.70
9/14/2018 14:00	61.00	9835	251	2.60
9/14/2018 15:00	48.50	9853	214	2.20
9/14/2018 16:00	37.60	9098	119	1.30
9/14/2018 17:00	37.80	8510	92	1.10
9/14/2018 18:00	39.40	8477	136	1.60
9/14/2018 19:00	62.10	7847	221	2.80
9/14/2018 20:00	64.00	6477	156	2.40
9/14/2018 21:00	68.10	6288	163	2.60
9/14/2018 22:00	67.80	5304	111	2.10
9/14/2018 23:00	68.70	3960	62	1.60
9/15/2018 0:00	69.00	2627	45	1.70
9/15/2018 1:00	67.20	1650	36	2.20
9/15/2018 2:00	68.80	1153	20	1.70
9/15/2018 3:00	68.80	662	10	1.50
9/15/2018 4:00	68.30	517	9	1.70
9/15/2018 5:00	68.10	710	18	2.50
9/15/2018 6:00	68.20	1497	38	2.50
9/15/2018 7:00	68.20	2629	68	2.60
9/15/2018 8:00	67.90	3821	87	2.30
9/15/2018 9:00	65.90	5195	107	2.10
9/15/2018 10:00	66.30	6069	141	2.30
9/15/2018 11:00	65.80	7231	165	2.30
9/15/2018 12:00	65.10	7898	138	1.70
9/15/2018 13:00	65.20	8073	158	2.00
9/15/2018 14:00	65.70	8281	164	2.00
9/15/2018 15:00	64.60	8486	167	2.00
9/15/2018 16:00	64.60	8405	139	1.70
9/15/2018 17:00	64.70	7839	119	1.50
9/15/2018 18:00	65.00	7257	149	2.10
9/15/2018 19:00	62.60	6956	120	1.70
9/15/2018 20:00	62.80	5831	102	1.70
9/15/2018 21:00	68.80	5698	131	2.30
9/15/2018 22:00	69.10	5104	90	1.80
9/15/2018 23:00	69.70	4403	78	1.80
9/16/2018 0:00	67.90	2817	53	1.90
9/16/2018 1:00	68.00	1628	17	1.00
9/16/2018 2:00	69.10	1354	21	1.60
9/16/2018 3:00	69.40	678	7	1.00
9/16/2018 4:00	68.40	459	7	1.50
9/16/2018 5:00	68.70	576	12	2.10
9/16/2018 6:00	69.20	1133	23	2.00
9/16/2018 7:00	69.10	1860	24	1.30
9/16/2018 8:00	67.20	2842	69	2.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/16/2018 9:00	67.20	4237	60	1.40
9/16/2018 10:00	66.80	5211	91	1.70
9/16/2018 11:00	66.70	6190	123	2.00
9/16/2018 12:00	64.50	6851	105	1.50
9/16/2018 13:00	65.50	7185	176	2.40
9/16/2018 14:00	64.70	7419	186	2.50
9/16/2018 15:00	64.80	7290	126	1.70
9/16/2018 16:00	64.80	7655	123	1.60
9/16/2018 17:00	64.70	7370	85	1.20
9/16/2018 18:00	64.80	6880	135	2.00
9/16/2018 19:00	61.20	7079	170	2.40
9/16/2018 20:00	61.40	5862	125	2.10
9/16/2018 21:00	67.60	4753	106	2.20
9/16/2018 22:00	67.40	3521	79	2.20
9/16/2018 23:00	69.10	2419	45	1.90
9/17/2018 0:00	67.30	1342	36	2.70
9/17/2018 1:00	68.40	709	11	1.60
9/17/2018 2:00	68.80	479	15	3.10
9/17/2018 3:00	68.50	346	4	1.20
9/17/2018 4:00	68.30	534	11	2.10
9/17/2018 5:00	67.50	1228	33	2.70
9/17/2018 6:00	67.50	2794	102	3.70
9/17/2018 7:00	68.30	5292	149	2.80
9/17/2018 8:00	66.70	6011	153	2.50
9/17/2018 9:00	64.50	5568	169	3.00
9/17/2018 10:00	64.20	6027	157	2.60
9/17/2018 11:00	62.40	6938	186	2.70
9/17/2018 12:00	62.90	7423	178	2.40
9/17/2018 13:00	62.80	8194	191	2.30
9/17/2018 14:00	60.20	9693	318	3.30
9/17/2018 15:00	40.20	9683	147	1.50
9/17/2018 16:00	29.40	9284	42	0.50
9/17/2018 17:00	30.50	9405	129	1.40
9/17/2018 18:00	55.40	8625	180	2.10
9/17/2018 19:00	62.40	6921	163	2.40
9/17/2018 20:00	63.50	5463	101	1.80
9/17/2018 21:00	66.60	4539	117	2.60
9/17/2018 22:00	66.70	3020	84	2.80
9/17/2018 23:00	67.70	2080	33	1.60
9/18/2018 0:00	68.40	1090	22	2.00
9/18/2018 1:00	68.30	625	13	2.10
9/18/2018 2:00	67.90	447	3	0.70
9/18/2018 3:00	68.70	305	18	5.90
9/18/2018 4:00	69.00	425	21	4.90
9/18/2018 5:00	68.10	1238	34	2.70
9/18/2018 6:00	67.60	2947	78	2.60
9/18/2018 7:00	68.90	5712	165	2.90
9/18/2018 8:00	67.50	6185	167	2.70
9/18/2018 9:00	66.20	5760	171	3.00
9/18/2018 10:00	65.70	6314	168	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/18/2018 11:00	65.70	6810	159	2.30
9/18/2018 12:00	65.90	7456	240	3.20
9/18/2018 13:00	64.80	8447	176	2.10
9/18/2018 14:00	62.10	9918	210	2.10
9/18/2018 15:00	39.80	9827	182	1.90
9/18/2018 16:00	45.40	9717	158	1.60
9/18/2018 17:00	37.30	9538	103	1.10
9/18/2018 18:00	61.20	8948	220	2.50
9/18/2018 19:00	63.30	7481	163	2.20
9/18/2018 20:00	65.70	6065	148	2.40
9/18/2018 21:00	67.50	5070	126	2.50
9/18/2018 22:00	68.30	3736	61	1.60
9/18/2018 23:00	69.10	2343	40	1.70
9/19/2018 0:00	68.10	1184	11	0.90
9/19/2018 1:00	67.30	843	7	0.80
9/19/2018 2:00	67.40	578	13	2.20
9/19/2018 3:00	67.10	475	5	1.10
9/19/2018 4:00	68.80	485	10	2.10
9/19/2018 5:00	69.30	1249	34	2.70
9/19/2018 6:00	68.00	2832	83	2.90
9/19/2018 7:00	70.20	5449	123	2.30
9/19/2018 8:00	67.80	6123	158	2.60
9/19/2018 9:00	66.40	6020	197	3.30
9/19/2018 10:00	66.20	6050	131	2.20
9/19/2018 11:00	64.70	6989	240	3.40
9/19/2018 12:00	64.40	7589	174	2.30
9/19/2018 13:00	63.80	8662	248	2.90
9/19/2018 14:00	61.30	9749	298	3.10
9/19/2018 15:00	48.80	10161	229	2.30
9/19/2018 16:00	42.70	9815	232	2.40
9/19/2018 17:00	36.30	9279	75	0.80
9/19/2018 18:00	40.60	8329	145	1.70
9/19/2018 19:00	62.20	7547	189	2.50
9/19/2018 20:00	64.50	6553	144	2.20
9/19/2018 21:00	68.30	5672	127	2.20
9/19/2018 22:00	68.40	3805	72	1.90
9/19/2018 23:00	68.40	2450	48	2.00
9/20/2018 0:00	69.50	1424	23	1.60
9/20/2018 1:00	69.20	791	8	1.00
9/20/2018 2:00	68.40	585	11	1.90
9/20/2018 3:00	68.60	369	12	3.30
9/20/2018 4:00	68.80	495	11	2.20
9/20/2018 5:00	68.60	1261	49	3.90
9/20/2018 6:00	68.40	2942	83	2.80
9/20/2018 7:00	68.30	5817	174	3.00
9/20/2018 8:00	66.90	6053	139	2.30
9/20/2018 9:00	65.50	5900	197	3.30
9/20/2018 10:00	65.90	6184	189	3.10
9/20/2018 11:00	65.30	6933	192	2.80
9/20/2018 12:00	64.70	7738	226	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/20/2018 13:00	63.60	8662	224	2.60
9/20/2018 14:00	58.20	9769	357	3.70
9/20/2018 15:00	50.40	9660	110	1.10
9/20/2018 16:00	34.00	9525	77	0.80
9/20/2018 17:00	52.30	9690	243	2.50
9/20/2018 18:00	61.80	9453	226	2.40
9/20/2018 19:00	61.30	8288	242	2.90
9/20/2018 20:00	64.60	6725	132	2.00
9/20/2018 21:00	69.10	5653	157	2.80
9/20/2018 22:00	69.10	3670	66	1.80
9/20/2018 23:00	69.30	2731	53	1.90
9/21/2018 0:00	68.10	1552	40	2.60
9/21/2018 1:00	68.20	905	21	2.30
9/21/2018 2:00	68.00	659	21	3.20
9/21/2018 3:00	68.40	382	11	2.90
9/21/2018 4:00	68.60	525	19	3.60
9/21/2018 5:00	68.50	1248	45	3.60
9/21/2018 6:00	67.70	2824	105	3.70
9/21/2018 7:00	67.50	5289	162	3.10
9/21/2018 8:00	66.70	5796	176	3.00
9/21/2018 9:00	65.80	5808	163	2.80
9/21/2018 10:00	65.20	6398	209	3.30
9/21/2018 11:00	64.30	7338	203	2.80
9/21/2018 12:00	63.50	8347	229	2.70
9/21/2018 13:00	61.90	9216	183	2.00
9/21/2018 14:00	58.00	10230	295	2.90
9/21/2018 15:00	51.00	10060	231	2.30
9/21/2018 16:00	46.70	9559	117	1.20
9/21/2018 17:00	61.00	9196	172	1.90
9/21/2018 18:00	35.10	7900	179	2.30
9/21/2018 19:00	60.90	7872	259	3.30
9/21/2018 20:00	63.30	6749	123	1.80
9/21/2018 21:00	69.10	6327	157	2.50
9/21/2018 22:00	68.60	5092	76	1.50
9/21/2018 23:00	69.60	3777	70	1.90
9/22/2018 0:00	67.70	2517	67	2.70
9/22/2018 1:00	68.50	1475	24	1.60
9/22/2018 2:00	69.20	1196	24	2.00
9/22/2018 3:00	69.50	763	8	1.00
9/22/2018 4:00	68.90	625	8	1.30
9/22/2018 5:00	67.90	810	23	2.80
9/22/2018 6:00	67.90	1562	45	2.90
9/22/2018 7:00	68.40	2610	71	2.70
9/22/2018 8:00	67.90	3871	65	1.70
9/22/2018 9:00	67.00	5141	107	2.10
9/22/2018 10:00	66.50	6246	116	1.90
9/22/2018 11:00	65.20	7140	164	2.30
9/22/2018 12:00	64.80	7921	177	2.20
9/22/2018 13:00	63.60	8266	133	1.60
9/22/2018 14:00	62.80	8686	164	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/22/2018 15:00	61.80	8583	209	2.40
9/22/2018 16:00	62.80	8380	159	1.90
9/22/2018 17:00	64.50	8175	135	1.70
9/22/2018 18:00	64.30	7617	136	1.80
9/22/2018 19:00	61.10	6974	147	2.10
9/22/2018 20:00	63.00	6133	119	1.90
9/22/2018 21:00	67.60	6052	107	1.80
9/22/2018 22:00	69.30	5053	109	2.20
9/22/2018 23:00	68.60	3924	82	2.10
9/23/2018 0:00	67.20	2943	35	1.20
9/23/2018 1:00	67.50	1620	29	1.80
9/23/2018 2:00	68.50	1288	18	1.40
9/23/2018 3:00	69.10	768	9	1.20
9/23/2018 4:00	69.90	626	11	1.80
9/23/2018 5:00	68.90	581	10	1.70
9/23/2018 6:00	69.30	1160	26	2.20
9/23/2018 7:00	69.40	1809	15	0.80
9/23/2018 8:00	68.30	2869	57	2.00
9/23/2018 9:00	66.70	4471	85	1.90
9/23/2018 10:00	66.70	5189	114	2.20
9/23/2018 11:00	66.30	6243	139	2.20
9/23/2018 12:00	63.90	7370	104	1.40
9/23/2018 13:00	64.70	7393	73	1.00
9/23/2018 14:00	64.50	7659	109	1.40
9/23/2018 15:00	64.20	7777	136	1.70
9/23/2018 16:00	64.30	7661	133	1.70
9/23/2018 17:00	64.30	7482	156	2.10
9/23/2018 18:00	63.90	7326	152	2.10
9/23/2018 19:00	60.00	7524	184	2.40
9/23/2018 20:00	62.30	5609	122	2.20
9/23/2018 21:00	69.50	4368	84	1.90
9/23/2018 22:00	68.40	3374	154	4.60
9/23/2018 23:00	69.50	2699	127	4.70
9/24/2018 0:00	67.10	1509	76	5.00
9/24/2018 1:00	67.20	727	37	5.10
9/24/2018 2:00	69.80	410	9	2.20
9/24/2018 3:00	68.80	319	10	3.10
9/24/2018 4:00	68.10	465	13	2.80
9/24/2018 5:00	67.00	1222	26	2.10
9/24/2018 6:00	66.10	2715	53	2.00
9/24/2018 7:00	65.80	5370	135	2.50
9/24/2018 8:00	65.10	5876	116	2.00
9/24/2018 9:00	64.60	5551	129	2.30
9/24/2018 10:00	64.20	5809	142	2.40
9/24/2018 11:00	63.30	6543	177	2.70
9/24/2018 12:00	63.40	7178	182	2.50
9/24/2018 13:00	63.00	8073	189	2.30
9/24/2018 14:00	61.20	9653	244	2.50
9/24/2018 15:00	40.80	9649	224	2.30
9/24/2018 16:00	30.70	9922	152	1.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/24/2018 17:00	46.20	10179	247	2.40
9/24/2018 18:00	64.10	8077	162	2.00
9/24/2018 19:00	62.20	6376	156	2.40
9/24/2018 20:00	64.60	5364	107	2.00
9/24/2018 21:00	68.30	4357	57	1.30
9/24/2018 22:00	67.90	2958	113	3.80
9/24/2018 23:00	69.00	1965	105	5.30
9/25/2018 0:00	69.60	921	45	4.90
9/25/2018 1:00	69.30	591	24	4.10
9/25/2018 2:00	68.40	396	28	7.10
9/25/2018 3:00	68.70	285	16	5.60
9/25/2018 4:00	67.90	490	20	4.10
9/25/2018 5:00	67.00	1202	71	5.90
9/25/2018 6:00	66.50	2820	109	3.90
9/25/2018 7:00	68.90	5775	181	3.10
9/25/2018 8:00	68.10	5673	134	2.40
9/25/2018 9:00	65.50	5557	143	2.60
9/25/2018 10:00	64.90	5921	144	2.40
9/25/2018 11:00	63.80	6601	169	2.60
9/25/2018 12:00	64.70	7334	209	2.80
9/25/2018 13:00	64.10	8281	208	2.50
9/25/2018 14:00	60.20	9826	248	2.50
9/25/2018 15:00	50.90	9823	196	2.00
9/25/2018 16:00	49.10	9756	120	1.20
9/25/2018 17:00	36.30	9252	117	1.30
9/25/2018 18:00	42.90	8768	353	4.00
9/25/2018 19:00	63.20	7634	207	2.70
9/25/2018 20:00	66.90	5907	162	2.70
9/25/2018 21:00	67.90	5219	118	2.30
9/25/2018 22:00	67.40	3497	74	2.10
9/25/2018 23:00	67.20	2323	39	1.70
9/26/2018 0:00	68.50	1260	27	2.10
9/26/2018 1:00	68.20	683	10	1.50
9/26/2018 2:00	67.80	478	10	2.10
9/26/2018 3:00	68.60	287	14	4.90
9/26/2018 4:00	68.50	467	10	2.10
9/26/2018 5:00	68.10	1156	44	3.80
9/26/2018 6:00	67.40	2880	84	2.90
9/26/2018 7:00	68.10	5545	123	2.20
9/26/2018 8:00	66.80	6266	129	2.10
9/26/2018 9:00	66.40	5628	182	3.20
9/26/2018 10:00	66.20	5619	178	3.20
9/26/2018 11:00	65.30	6502	211	3.20
9/26/2018 12:00	64.10	7507	198	2.60
9/26/2018 13:00	62.60	8683	249	2.90
9/26/2018 14:00	60.50	9945	332	3.30
9/26/2018 15:00	37.90	9821	83	0.80
9/26/2018 16:00	32.10	9436	247	2.60
9/26/2018 17:00	33.50	9652	147	1.50
9/26/2018 18:00	59.50	9408	251	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/26/2018 19:00	63.00	7726	168	2.20
9/26/2018 20:00	66.00	6223	155	2.50
9/26/2018 21:00	70.40	5085	104	2.00
9/26/2018 22:00	70.30	3573	67	1.90
9/26/2018 23:00	68.30	2276	63	2.80
9/27/2018 0:00	68.30	1248	24	1.90
9/27/2018 1:00	68.40	717	18	2.50
9/27/2018 2:00	68.40	530	18	3.40
9/27/2018 3:00	68.60	306	5	1.60
9/27/2018 4:00	68.70	436	11	2.50
9/27/2018 5:00	68.40	1287	42	3.30
9/27/2018 6:00	67.30	2843	129	4.50
9/27/2018 7:00	69.60	5759	201	3.50
9/27/2018 8:00	68.70	5984	133	2.20
9/27/2018 9:00	67.70	5641	165	2.90
9/27/2018 10:00	66.70	6027	174	2.90
9/27/2018 11:00	65.10	6901	221	3.20
9/27/2018 12:00	65.10	7496	189	2.50
9/27/2018 13:00	64.70	8526	198	2.30
9/27/2018 14:00	52.70	9724	161	1.70
9/27/2018 15:00	49.50	10018	297	3.00
9/27/2018 16:00	30.40	8852	88	1.00
9/27/2018 17:00	47.50	9794	253	2.60
9/27/2018 18:00	51.50	9521	611	6.40
9/27/2018 19:00	41.60	8211	1078	13.10
9/27/2018 20:00	63.70	6636	140	2.10
9/27/2018 21:00	69.20	5566	121	2.20
9/27/2018 22:00	69.30	4126	88	2.10
9/27/2018 23:00	68.90	2855	62	2.20
9/28/2018 0:00	67.50	2260	60	2.70
9/28/2018 1:00	66.90	1589	53	3.30
9/28/2018 2:00	68.10	847	18	2.10
9/28/2018 3:00	68.50	385	8	2.10
9/28/2018 4:00	67.80	507	22	4.30
9/28/2018 5:00	67.80	1202	27	2.20
9/28/2018 6:00	66.50	2736	86	3.10
9/28/2018 7:00	67.80	5288	168	3.20
9/28/2018 8:00	67.70	5751	170	3.00
9/28/2018 9:00	66.60	5863	156	2.70
9/28/2018 10:00	66.10	6215	163	2.60
9/28/2018 11:00	64.80	7313	234	3.20
9/28/2018 12:00	63.70	8200	219	2.70
9/28/2018 13:00	62.40	9340	282	3.00
9/28/2018 14:00	60.00	10040	187	1.90
9/28/2018 15:00	35.00	9592	52	0.50
9/28/2018 16:00	28.80	9107	125	1.40
9/28/2018 17:00	48.10	8985	115	1.30
9/28/2018 18:00	63.60	8342	175	2.10
9/28/2018 19:00	60.90	7704	242	3.10
9/28/2018 20:00	64.30	6412	143	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/28/2018 21:00	69.90	6170	132	2.10
9/28/2018 22:00	70.00	5348	109	2.00
9/28/2018 23:00	69.40	3977	102	2.60
9/29/2018 0:00	68.70	2514	53	2.10
9/29/2018 1:00	68.00	1614	39	2.40
9/29/2018 2:00	68.70	1169	21	1.80
9/29/2018 3:00	69.10	622	7	1.10
9/29/2018 4:00	68.40	510	11	2.20
9/29/2018 5:00	68.00	834	15	1.80
9/29/2018 6:00	68.90	1508	34	2.30
9/29/2018 7:00	68.70	2661	68	2.60
9/29/2018 8:00	68.10	3883	84	2.20
9/29/2018 9:00	66.60	5241	121	2.30
9/29/2018 10:00	67.60	5996	110	1.80
9/29/2018 11:00	66.20	6898	150	2.20
9/29/2018 12:00	65.70	7688	140	1.80
9/29/2018 13:00	65.70	7642	170	2.20
9/29/2018 14:00	65.70	8062	199	2.50
9/29/2018 15:00	65.10	8309	174	2.10
9/29/2018 16:00	65.20	8414	178	2.10
9/29/2018 17:00	64.60	8158	166	2.00
9/29/2018 18:00	62.00	7276	148	2.00
9/29/2018 19:00	61.70	6952	161	2.30
9/29/2018 20:00	64.00	6007	138	2.30
9/29/2018 21:00	68.60	5958	83	1.40
9/29/2018 22:00	69.90	4922	118	2.40
9/29/2018 23:00	68.60	3930	85	2.20
9/30/2018 0:00	69.10	2693	53	2.00
9/30/2018 1:00	69.50	1699	34	2.00
9/30/2018 2:00	69.10	1249	31	2.50
9/30/2018 3:00	68.60	752	11	1.50
9/30/2018 4:00	68.80	464	6	1.30
9/30/2018 5:00	68.60	630	19	3.00
9/30/2018 6:00	69.00	1086	10	0.90
9/30/2018 7:00	68.50	1849	46	2.50
9/30/2018 8:00	68.70	2831	59	2.10
9/30/2018 9:00	67.50	4285	84	2.00
9/30/2018 10:00	66.70	5221	106	2.00
9/30/2018 11:00	66.10	6067	116	1.90
9/30/2018 12:00	64.90	6832	100	1.50
9/30/2018 13:00	65.90	7130	138	1.90
9/30/2018 14:00	66.30	7495	93	1.20
9/30/2018 15:00	65.90	7472	118	1.60
9/30/2018 16:00	65.60	7348	127	1.70
9/30/2018 17:00	64.70	7138	128	1.80
9/30/2018 18:00	64.70	6321	103	1.60
9/30/2018 19:00	62.90	6430	124	1.90
9/30/2018 20:00	63.20	5290	127	2.40
9/30/2018 21:00	69.30	4574	77	1.70
9/30/2018 22:00	69.60	3224	59	1.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/30/2018 23:00	69.50	2249	65	2.90
10/01/2018 0:00	68.50	1246	23	1.80
10/01/2018 1:00	68.20	679	8	1.20
10/01/2018 2:00	68.70	460	5	1.10
10/01/2018 3:00	68.70	326	4	1.20
10/01/2018 4:00	68.80	504	9	1.80
10/01/2018 5:00	68.40	1242	28	2.30
10/01/2018 6:00	67.20	2736	77	2.80
10/01/2018 7:00	67.70	5433	193	3.60
10/01/2018 8:00	66.70	5975	143	2.40
10/01/2018 9:00	65.80	5653	176	3.10
10/01/2018 10:00	66.10	5801	153	2.60
10/01/2018 11:00	64.80	6810	191	2.80
10/01/2018 12:00	66.00	7357	177	2.40
10/01/2018 13:00	64.80	8180	222	2.70
10/01/2018 14:00	62.20	9961	291	2.90
10/01/2018 15:00	59.60	10389	319	3.10
10/01/2018 16:00	49.10	10275	637	6.20
10/01/2018 17:00	49.10	9490	232	2.40
10/01/2018 18:00	64.80	8126	152	1.90
10/01/2018 19:00	64.60	6537	129	2.00
10/01/2018 20:00	66.80	5159	125	2.40
10/01/2018 21:00	68.40	4360	63	1.40
10/01/2018 22:00	69.50	2971	52	1.80
10/01/2018 23:00	67.20	2087	42	2.00
10/02/2018 0:00	68.50	1171	21	1.80
10/02/2018 1:00	68.70	644	15	2.30
10/02/2018 2:00	68.40	462	8	1.70
10/02/2018 3:00	68.30	281	3	1.10
10/02/2018 4:00	68.80	483	7	1.40
10/02/2018 5:00	66.90	1198	48	4.00
10/02/2018 6:00	65.70	2956	84	2.80
10/02/2018 7:00	66.90	5782	182	3.10
10/02/2018 8:00	65.90	5913	193	3.30
10/02/2018 9:00	65.60	5766	166	2.90
10/02/2018 10:00	65.80	6020	146	2.40
10/02/2018 11:00	65.40	6722	205	3.00
10/02/2018 12:00	65.10	7554	176	2.30
10/02/2018 13:00	64.20	8190	184	2.20
10/02/2018 14:00	60.90	9814	267	2.70
10/02/2018 15:00	57.60	10368	330	3.20
10/02/2018 16:00	52.00	9987	117	1.20
10/02/2018 17:00	37.70	9907	169	1.70
10/02/2018 18:00	61.10	8945	223	2.50
10/02/2018 19:00	62.90	7372	220	3.00
10/02/2018 20:00	66.10	5761	113	2.00
10/02/2018 21:00	68.00	4861	119	2.40
10/02/2018 22:00	66.80	3282	190	5.80
10/02/2018 23:00	68.70	2159	112	5.20
10/03/2018 0:00	69.40	1159	58	5.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/03/2018 1:00	69.50	649	22	3.40
10/03/2018 2:00	69.60	410	17	4.10
10/03/2018 3:00	69.20	314	8	2.50
10/03/2018 4:00	67.90	477	16	3.40
10/03/2018 5:00	68.00	1241	36	2.90
10/03/2018 6:00	66.10	2880	84	2.90
10/03/2018 7:00	67.60	5550	169	3.00
10/03/2018 8:00	67.50	6144	162	2.60
10/03/2018 9:00	66.00	5824	199	3.40
10/03/2018 10:00	66.20	6037	175	2.90
10/03/2018 11:00	65.10	6879	194	2.80
10/03/2018 12:00	65.50	7544	187	2.50
10/03/2018 13:00	64.50	8447	172	2.00
10/03/2018 14:00	61.80	9928	224	2.30
10/03/2018 15:00	56.80	10068	233	2.30
10/03/2018 16:00	29.10	8960	164	1.80
10/03/2018 17:00	59.10	9924	169	1.70
10/03/2018 18:00	62.90	8765	173	2.00
10/03/2018 19:00	61.70	7387	201	2.70
10/03/2018 20:00	67.30	6019	111	1.80
10/03/2018 21:00	68.10	5124	97	1.90
10/03/2018 22:00	66.90	3461	84	2.40
10/03/2018 23:00	65.90	2207	35	1.60
10/04/2018 0:00	65.10	1339	19	1.40
10/04/2018 1:00	64.30	1010	22	2.20
10/04/2018 2:00	63.70	798	32	4.00
10/04/2018 3:00	62.80	634	42	6.60
10/04/2018 4:00	63.30	765	21	2.70
10/04/2018 5:00	64.50	1409	23	1.60
10/04/2018 6:00	65.70	2923	40	1.40
10/04/2018 7:00	62.80	5200	84	1.60
10/04/2018 8:00	65.20	5297	87	1.60
10/04/2018 9:00	64.20	5222	89	1.70
10/04/2018 10:00	63.80	5314	90	1.70
10/04/2018 11:00	61.90	6077	77	1.30
10/04/2018 12:00	62.90	6744	69	1.00
10/04/2018 13:00	62.20	7616	74	1.00
10/04/2018 14:00	59.70	9252	106	1.10
10/04/2018 15:00	55.80	9728	164	1.70
10/04/2018 16:00	59.30	9518	214	2.20
10/04/2018 17:00	55.50	9615	167	1.70
10/04/2018 18:00	51.90	9339	281	3.00
10/04/2018 19:00	61.50	7708	232	3.00
10/04/2018 20:00	66.40	6033	143	2.40
10/04/2018 21:00	67.40	5397	93	1.70
10/04/2018 22:00	68.10	3979	77	1.90
10/04/2018 23:00	68.70	2581	61	2.40
10/05/2018 0:00	68.70	1480	33	2.20
10/05/2018 1:00	67.50	954	27	2.80
10/05/2018 2:00	68.50	655	28	4.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/05/2018 3:00	67.90	411	6	1.50
10/05/2018 4:00	67.90	551	21	3.80
10/05/2018 5:00	67.50	1217	45	3.70
10/05/2018 6:00	66.90	2873	110	3.80
10/05/2018 7:00	67.10	5410	142	2.60
10/05/2018 8:00	67.20	5740	167	2.90
10/05/2018 9:00	65.50	5702	152	2.70
10/05/2018 10:00	65.60	6306	177	2.80
10/05/2018 11:00	64.50	7189	170	2.40
10/05/2018 12:00	63.70	8347	221	2.60
10/05/2018 13:00	61.80	9159	210	2.30
10/05/2018 14:00	57.70	10018	221	2.20
10/05/2018 15:00	36.50	9626	57	0.60
10/05/2018 16:00	38.20	9274	56	0.60
10/05/2018 17:00	61.10	9493	182	1.90
10/05/2018 18:00	60.70	8884	235	2.60
10/05/2018 19:00	62.30	7609	219	2.90
10/05/2018 20:00	64.50	6447	120	1.90
10/05/2018 21:00	68.90	6289	151	2.40
10/05/2018 22:00	67.50	5410	96	1.80
10/05/2018 23:00	68.70	3773	58	1.50
10/06/2018 0:00	70.20	2476	33	1.30
10/06/2018 1:00	69.00	1594	26	1.60
10/06/2018 2:00	68.80	1197	23	1.90
10/06/2018 3:00	68.90	662	10	1.50
10/06/2018 4:00	68.80	490	6	1.20
10/06/2018 5:00	68.80	871	19	2.20
10/06/2018 6:00	69.50	1536	39	2.50
10/06/2018 7:00	69.70	2802	49	1.70
10/06/2018 8:00	68.60	3789	70	1.80
10/06/2018 9:00	67.50	4875	73	1.50
10/06/2018 10:00	66.00	5998	132	2.20
10/06/2018 11:00	65.90	6689	114	1.70
10/06/2018 12:00	65.60	7549	163	2.20
10/06/2018 13:00	66.10	7859	118	1.50
10/06/2018 14:00	64.80	8053	136	1.70
10/06/2018 15:00	65.90	8104	111	1.40
10/06/2018 16:00	65.90	8216	156	1.90
10/06/2018 17:00	66.10	7781	136	1.70
10/06/2018 18:00	65.20	7233	116	1.60
10/06/2018 19:00	63.30	6185	118	1.90
10/06/2018 20:00	65.40	5395	107	2.00
10/06/2018 21:00	69.70	5211	101	1.90
10/06/2018 22:00	68.80	5100	78	1.50
10/06/2018 23:00	69.20	3736	51	1.40
10/07/2018 0:00	69.50	2528	45	1.80
10/07/2018 1:00	68.30	1529	32	2.10
10/07/2018 2:00	69.80	1254	22	1.80
10/07/2018 3:00	68.70	646	12	1.90
10/07/2018 4:00	68.70	450	9	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/07/2018 5:00	68.70	561	12	2.10
10/07/2018 6:00	69.10	1084	22	2.00
10/07/2018 7:00	66.90	1810	43	2.40
10/07/2018 8:00	67.20	2649	43	1.60
10/07/2018 9:00	67.30	3974	67	1.70
10/07/2018 10:00	66.60	5063	65	1.30
10/07/2018 11:00	65.30	5994	138	2.30
10/07/2018 12:00	65.10	6920	113	1.60
10/07/2018 13:00	65.40	6790	91	1.30
10/07/2018 14:00	65.30	7223	143	2.00
10/07/2018 15:00	65.20	7441	118	1.60
10/07/2018 16:00	64.40	7427	91	1.20
10/07/2018 17:00	64.70	7231	121	1.70
10/07/2018 18:00	64.60	6719	131	1.90
10/07/2018 19:00	61.60	6635	118	1.80
10/07/2018 20:00	64.40	5451	115	2.10
10/07/2018 21:00	68.80	4432	94	2.10
10/07/2018 22:00	69.60	3264	67	2.10
10/07/2018 23:00	69.40	2393	40	1.70
10/08/2018 0:00	68.30	1333	34	2.60
10/08/2018 1:00	68.70	705	11	1.60
10/08/2018 2:00	68.70	410	11	2.70
10/08/2018 3:00	69.00	316	2	0.60
10/08/2018 4:00	68.90	479	13	2.70
10/08/2018 5:00	68.30	1177	27	2.30
10/08/2018 6:00	68.20	2682	71	2.60
10/08/2018 7:00	67.80	5288	143	2.70
10/08/2018 8:00	67.20	5969	159	2.70
10/08/2018 9:00	66.30	5573	172	3.10
10/08/2018 10:00	65.50	6024	192	3.20
10/08/2018 11:00	64.80	6752	174	2.60
10/08/2018 12:00	64.80	7545	253	3.40
10/08/2018 13:00	64.90	8287	232	2.80
10/08/2018 14:00	62.30	9731	283	2.90
10/08/2018 15:00	61.00	10094	218	2.20
10/08/2018 16:00	51.90	9329	296	3.20
10/08/2018 17:00	63.10	9159	194	2.10
10/08/2018 18:00	65.70	7888	174	2.20
10/08/2018 19:00	65.80	6620	128	1.90
10/08/2018 20:00	67.10	5617	129	2.30
10/08/2018 21:00	69.10	4711	116	2.50
10/08/2018 22:00	69.40	3063	45	1.50
10/08/2018 23:00	67.80	2061	26	1.30
10/09/2018 0:00	67.80	1074	25	2.30
10/09/2018 1:00	67.80	664	10	1.50
10/09/2018 2:00	67.80	425	8	1.90
10/09/2018 3:00	68.20	292	9	3.10
10/09/2018 4:00	67.60	510	23	4.50
10/09/2018 5:00	69.70	1216	34	2.80
10/09/2018 6:00	67.90	2896	91	3.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/09/2018 7:00	69.00	5976	179	3.00
10/09/2018 8:00	66.70	6208	157	2.50
10/09/2018 9:00	66.00	5958	199	3.30
10/09/2018 10:00	65.50	6035	186	3.10
10/09/2018 11:00	64.70	6700	196	2.90
10/09/2018 12:00	65.70	7349	261	3.60
10/09/2018 13:00	63.60	8399	303	3.60
10/09/2018 14:00	61.40	9896	322	3.30
10/09/2018 15:00	44.90	10117	117	1.20
10/09/2018 16:00	33.90	9731	87	0.90
10/09/2018 17:00	36.30	9670	123	1.30
10/09/2018 18:00	54.10	9337	221	2.40
10/09/2018 19:00	62.80	7628	189	2.50
10/09/2018 20:00	65.80	6247	130	2.10
10/09/2018 21:00	68.60	5320	143	2.70
10/09/2018 22:00	67.30	3381	127	3.80
10/09/2018 23:00	67.20	2273	90	4.00
10/10/2018 0:00	68.80	1249	45	3.60
10/10/2018 1:00	71.00	618	19	3.10
10/10/2018 2:00	70.30	442	13	2.90
10/10/2018 3:00	70.70	270	20	7.40
10/10/2018 4:00	68.90	475	19	4.00
10/10/2018 5:00	68.80	1224	42	3.40
10/10/2018 6:00	67.60	2799	75	2.70
10/10/2018 7:00	67.80	5549	175	3.20
10/10/2018 8:00	67.30	6169	178	2.90
10/10/2018 9:00	65.00	6065	204	3.40
10/10/2018 10:00	65.40	6217	181	2.90
10/10/2018 11:00	64.50	7040	231	3.30
10/10/2018 12:00	63.70	7973	224	2.80
10/10/2018 13:00	63.70	8571	274	3.20
10/10/2018 14:00	61.30	9839	260	2.60
10/10/2018 15:00	43.40	10231	158	1.50
10/10/2018 16:00	21.20	7834	58	0.70
10/10/2018 17:00	23.70	8555	16	0.20
10/10/2018 18:00	35.00	9093	184	2.00
10/10/2018 19:00	60.00	7902	172	2.20
10/10/2018 20:00	65.00	6518	166	2.50
10/10/2018 21:00	67.40	5267	95	1.80
10/10/2018 22:00	68.80	3510	170	4.80
10/10/2018 23:00	69.00	2182	128	5.90
10/11/2018 0:00	70.10	1268	53	4.20
10/11/2018 1:00	69.40	734	44	6.00
10/11/2018 2:00	70.30	497	19	3.80
10/11/2018 3:00	67.80	328	16	4.90
10/11/2018 4:00	68.60	536	21	3.90
10/11/2018 5:00	68.10	1316	56	4.30
10/11/2018 6:00	67.50	2817	116	4.10
10/11/2018 7:00	68.30	5718	205	3.60
10/11/2018 8:00	66.70	6126	174	2.80



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/11/2018 9:00	65.30	5728	159	2.80
10/11/2018 10:00	64.90	6204	233	3.80
10/11/2018 11:00	64.70	6950	222	3.20
10/11/2018 12:00	65.00	7674	239	3.10
10/11/2018 13:00	64.00	8396	220	2.60
10/11/2018 14:00	61.20	9977	314	3.10
10/11/2018 15:00	54.10	10146	182	1.80
10/11/2018 16:00	43.50	9462	138	1.50
10/11/2018 17:00	58.90	9537	195	2.00
10/11/2018 18:00	62.80	8637	166	1.90
10/11/2018 19:00	58.30	8080	243	3.00
10/11/2018 20:00	66.60	6310	164	2.60
10/11/2018 21:00	68.50	5249	87	1.70
10/11/2018 22:00	68.20	3619	193	5.30
10/11/2018 23:00	68.90	2338	94	4.00
10/12/2018 0:00	68.10	1405	55	3.90
10/12/2018 1:00	69.80	831	30	3.60
10/12/2018 2:00	69.60	564	21	3.70
10/12/2018 3:00	70.30	357	10	2.80
10/12/2018 4:00	67.70	493	19	3.90
10/12/2018 5:00	68.40	1232	34	2.80
10/12/2018 6:00	66.50	2787	93	3.30
10/12/2018 7:00	66.30	5269	184	3.50
10/12/2018 8:00	66.80	5775	166	2.90
10/12/2018 9:00	65.10	5693	205	3.60
10/12/2018 10:00	65.40	6398	199	3.10
10/12/2018 11:00	64.20	7387	248	3.40
10/12/2018 12:00	63.00	8315	271	3.30
10/12/2018 13:00	62.60	9175	223	2.40
10/12/2018 14:00	59.60	10203	301	3.00
10/12/2018 15:00	57.90	10113	213	2.10
10/12/2018 16:00	60.30	9697	203	2.10
10/12/2018 17:00	59.20	9571	207	2.20
10/12/2018 18:00	60.00	8051	168	2.10
10/12/2018 19:00	47.80	7396	299	4.00
10/12/2018 20:00	57.30	5946	119	2.00
10/12/2018 21:00	60.60	6001	164	2.70
10/12/2018 22:00	65.50	5026	102	2.00
10/12/2018 23:00	58.40	3388	89	2.60
10/13/2018 0:00	63.00	2312	35	1.50
10/13/2018 1:00	65.60	1389	37	2.70
10/13/2018 2:00	67.50	1010	20	2.00
10/13/2018 3:00	68.90	573	15	2.60
10/13/2018 4:00	68.30	430	13	3.00
10/13/2018 5:00	68.00	709	17	2.40
10/13/2018 6:00	67.40	1417	49	3.50
10/13/2018 7:00	68.90	2627	73	2.80
10/13/2018 8:00	67.40	3706	63	1.70
10/13/2018 9:00	67.60	4886	113	2.30
10/13/2018 10:00	67.20	5835	126	2.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/13/2018 11:00	65.00	6823	134	2.00
10/13/2018 12:00	64.50	7290	189	2.60
10/13/2018 13:00	64.10	7616	136	1.80
10/13/2018 14:00	65.20	7877	207	2.60
10/13/2018 15:00	65.10	7862	211	2.70
10/13/2018 16:00	65.90	7692	165	2.10
10/13/2018 17:00	65.20	7399	153	2.10
10/13/2018 18:00	64.70	6853	129	1.90
10/13/2018 19:00	63.90	6301	110	1.70
10/13/2018 20:00	64.50	5609	89	1.60
10/13/2018 21:00	68.80	5368	119	2.20
10/13/2018 22:00	69.10	4891	73	1.50
10/13/2018 23:00	69.30	3804	49	1.30
10/14/2018 0:00	69.40	2465	40	1.60
10/14/2018 1:00	68.30	1532	39	2.50
10/14/2018 2:00	68.50	1252	34	2.70
10/14/2018 3:00	68.60	638	13	2.00
10/14/2018 4:00	69.10	425	9	2.10
10/14/2018 5:00	68.80	653	9	1.40
10/14/2018 6:00	68.80	1209	15	1.20
10/14/2018 7:00	69.00	2159	16	0.70
10/14/2018 8:00	66.80	3237	58	1.80
10/14/2018 9:00	66.50	4421	76	1.70
10/14/2018 10:00	66.00	5252	126	2.40
10/14/2018 11:00	65.90	5954	108	1.80
10/14/2018 12:00	64.50	6878	149	2.20
10/14/2018 13:00	63.40	7303	127	1.70
10/14/2018 14:00	64.60	7298	133	1.80
10/14/2018 15:00	64.80	7468	124	1.70
10/14/2018 16:00	64.50	7400	121	1.60
10/14/2018 17:00	64.00	7043	164	2.30
10/14/2018 18:00	63.10	6550	101	1.50
10/14/2018 19:00	62.20	6090	147	2.40
10/14/2018 20:00	64.40	5213	96	1.80
10/14/2018 21:00	68.50	4094	73	1.80
10/14/2018 22:00	68.20	2996	64	2.10
10/14/2018 23:00	69.00	2194	42	1.90
10/15/2018 0:00	68.70	1172	8	0.70
10/15/2018 1:00	68.70	696	6	0.90
10/15/2018 2:00	69.30	387	3	0.80
10/15/2018 3:00	68.60	289	8	2.80
10/15/2018 4:00	68.30	483	9	1.90
10/15/2018 5:00	68.30	1139	38	3.30
10/15/2018 6:00	66.60	2732	92	3.40
10/15/2018 7:00	67.50	5236	180	3.40
10/15/2018 8:00	65.50	5935	187	3.20
10/15/2018 9:00	65.30	5597	168	3.00
10/15/2018 10:00	65.30	5864	187	3.20
10/15/2018 11:00	64.40	6794	214	3.10
10/15/2018 12:00	65.80	7469	236	3.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/15/2018 13:00	63.90	8072	219	2.70
10/15/2018 14:00	61.00	9665	328	3.40
10/15/2018 15:00	53.00	10127	279	2.80
10/15/2018 16:00	56.30	9631	261	2.70
10/15/2018 17:00	53.90	9941	447	4.50
10/15/2018 18:00	59.10	8923	244	2.70
10/15/2018 19:00	64.30	6763	144	2.10
10/15/2018 20:00	67.20	5279	96	1.80
10/15/2018 21:00	67.80	4785	75	1.60
10/15/2018 22:00	68.70	3260	67	2.10
10/15/2018 23:00	68.90	2103	43	2.00
10/16/2018 0:00	68.20	1221	13	1.10
10/16/2018 1:00	68.20	612	8	1.30
10/16/2018 2:00	67.90	424	13	3.10
10/16/2018 3:00	68.30	279	6	2.20
10/16/2018 4:00	68.20	511	18	3.50
10/16/2018 5:00	67.60	1222	36	2.90
10/16/2018 6:00	66.50	2844	94	3.30
10/16/2018 7:00	67.10	5583	180	3.20
10/16/2018 8:00	67.00	5874	140	2.40
10/16/2018 9:00	66.50	5680	139	2.40
10/16/2018 10:00	65.40	5855	211	3.60
10/16/2018 11:00	65.00	6792	208	3.10
10/16/2018 12:00	64.90	7399	200	2.70
10/16/2018 13:00	64.20	8332	233	2.80
10/16/2018 14:00	62.10	9773	312	3.20
10/16/2018 15:00	46.20	9787	116	1.20
10/16/2018 16:00	52.20	9160	140	1.50
10/16/2018 17:00	59.60	9551	171	1.80
10/16/2018 18:00	60.60	9104	191	2.10
10/16/2018 19:00	62.20	7503	180	2.40
10/16/2018 20:00	66.70	6001	129	2.10
10/16/2018 21:00	68.40	5327	89	1.70
10/16/2018 22:00	69.80	3194	180	5.60
10/16/2018 23:00	70.40	2108	102	4.80
10/17/2018 0:00	69.50	1231	45	3.70
10/17/2018 1:00	69.80	650	25	3.80
10/17/2018 2:00	69.10	448	14	3.10
10/17/2018 3:00	70.50	302	19	6.30
10/17/2018 4:00	68.30	453	23	5.10
10/17/2018 5:00	68.40	1188	24	2.00
10/17/2018 6:00	66.70	2831	83	2.90
10/17/2018 7:00	67.70	5404	153	2.80
10/17/2018 8:00	67.30	6178	183	3.00
10/17/2018 9:00	65.60	5772	188	3.30
10/17/2018 10:00	64.90	6018	173	2.90
10/17/2018 11:00	64.80	6985	236	3.40
10/17/2018 12:00	64.10	7685	208	2.70
10/17/2018 13:00	64.40	8455	215	2.50
10/17/2018 14:00	63.20	9701	283	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/17/2018 15:00	44.20	9926	184	1.90
10/17/2018 16:00	54.00	9467	175	1.80
10/17/2018 17:00	49.10	9549	155	1.60
10/17/2018 18:00	58.40	9215	258	2.80
10/17/2018 19:00	61.30	7494	203	2.70
10/17/2018 20:00	67.10	6053	128	2.10
10/17/2018 21:00	67.90	5234	91	1.70
10/17/2018 22:00	68.90	3612	70	1.90
10/17/2018 23:00	69.70	3202	32	1.00
10/18/2018 0:00	69.60	1416	21	1.50
10/18/2018 1:00	68.70	740	11	1.50
10/18/2018 2:00	67.60	516	18	3.50
10/18/2018 3:00	68.40	310	6	1.90
10/18/2018 4:00	68.20	492	28	5.70
10/18/2018 5:00	69.10	1217	26	2.10
10/18/2018 6:00	67.80	2773	70	2.50
10/18/2018 7:00	66.90	5601	154	2.70
10/18/2018 8:00	66.90	6001	213	3.50
10/18/2018 9:00	65.40	5898	161	2.70
10/18/2018 10:00	65.80	6094	202	3.30
10/18/2018 11:00	64.90	6868	195	2.80
10/18/2018 12:00	64.20	7682	255	3.30
10/18/2018 13:00	63.30	8602	242	2.80
10/18/2018 14:00	60.90	9879	283	2.90
10/18/2018 15:00	44.20	9921	197	2.00
10/18/2018 16:00	37.80	9388	127	1.40
10/18/2018 17:00	26.30	8632	49	0.60
10/18/2018 18:00	48.70	8894	192	2.20
10/18/2018 19:00	61.60	7668	192	2.50
10/18/2018 20:00	66.10	6259	120	1.90
10/18/2018 21:00	68.70	5518	105	1.90
10/18/2018 22:00	66.80	3997	202	5.10
10/18/2018 23:00	68.30	2572	94	3.70
10/19/2018 0:00	67.80	1421	62	4.40
10/19/2018 1:00	70.00	887	29	3.30
10/19/2018 2:00	69.60	664	42	6.30
10/19/2018 3:00	71.00	381	24	6.30
10/19/2018 4:00	68.30	540	33	6.10
10/19/2018 5:00	69.30	1114	26	2.30
10/19/2018 6:00	67.50	2779	59	2.10
10/19/2018 7:00	67.30	4949	124	2.50
10/19/2018 8:00	66.80	5821	190	3.30
10/19/2018 9:00	66.60	5719	171	3.00
10/19/2018 10:00	63.40	6285	199	3.20
10/19/2018 11:00	50.10	7076	220	3.10
10/19/2018 12:00	64.10	8012	237	3.00
10/19/2018 13:00	63.70	8816	280	3.20
10/19/2018 14:00	59.90	9988	275	2.80
10/19/2018 15:00	43.40	9829	133	1.40
10/19/2018 16:00	61.00	9528	162	1.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/19/2018 17:00	62.10	9182	182	2.00
10/19/2018 18:00	61.10	8777	250	2.80
10/19/2018 19:00	63.90	7147	138	1.90
10/19/2018 20:00	65.20	6278	155	2.50
10/19/2018 21:00	68.50	6392	128	2.00
10/19/2018 22:00	69.00	5278	105	2.00
10/19/2018 23:00	68.40	3686	74	2.00
10/20/2018 0:00	68.50	2433	57	2.30
10/20/2018 1:00	69.40	1551	31	2.00
10/20/2018 2:00	69.10	1095	24	2.20
10/20/2018 3:00	68.10	586	13	2.20
10/20/2018 4:00	68.30	515	9	1.70
10/20/2018 5:00	68.70	750	13	1.70
10/20/2018 6:00	68.50	1471	36	2.40
10/20/2018 7:00	68.80	2582	77	3.00
10/20/2018 8:00	68.30	3917	89	2.30
10/20/2018 9:00	67.20	5142	111	2.20
10/20/2018 10:00	66.10	6153	139	2.30
10/20/2018 11:00	66.30	7021	167	2.40
10/20/2018 12:00	66.20	7633	184	2.40
10/20/2018 13:00	66.30	7724	165	2.10
10/20/2018 14:00	65.70	8371	189	2.30
10/20/2018 15:00	65.90	8115	136	1.70
10/20/2018 16:00	65.60	8208	141	1.70
10/20/2018 17:00	65.40	7679	153	2.00
10/20/2018 18:00	63.10	7376	167	2.30
10/20/2018 19:00	62.70	6700	150	2.20
10/20/2018 20:00	64.60	5789	110	1.90
10/20/2018 21:00	68.00	5832	121	2.10
10/20/2018 22:00	68.10	5616	114	2.00
10/20/2018 23:00	68.30	3934	79	2.00
10/21/2018 0:00	67.80	2504	38	1.50
10/21/2018 1:00	69.30	1585	26	1.60
10/21/2018 2:00	69.60	1208	18	1.50
10/21/2018 3:00	68.50	662	15	2.30
10/21/2018 4:00	68.80	441	7	1.60
10/21/2018 5:00	68.70	625	6	1.00
10/21/2018 6:00	68.30	1105	20	1.80
10/21/2018 7:00	69.00	1728	18	1.00
10/21/2018 8:00	67.70	2785	54	1.90
10/21/2018 9:00	67.40	4182	91	2.20
10/21/2018 10:00	66.40	5305	102	1.90
10/21/2018 11:00	66.10	5996	123	2.10
10/21/2018 12:00	64.80	7162	129	1.80
10/21/2018 13:00	65.30	7216	139	1.90
10/21/2018 14:00	64.40	7442	136	1.80
10/21/2018 15:00	64.60	7716	165	2.10
10/21/2018 16:00	64.80	7423	145	2.00
10/21/2018 17:00	64.80	7373	131	1.80
10/21/2018 18:00	62.40	6868	141	2.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/21/2018 19:00	61.30	6469	148	2.30
10/21/2018 20:00	63.70	5418	106	2.00
10/21/2018 21:00	68.50	4423	91	2.10
10/21/2018 22:00	67.00	3232	53	1.60
10/21/2018 23:00	68.00	2364	48	2.00
10/22/2018 0:00	68.20	1295	19	1.50
10/22/2018 1:00	68.80	647	8	1.20
10/22/2018 2:00	69.00	415	7	1.70
10/22/2018 3:00	68.70	300	0	0.00
10/22/2018 4:00	68.40	488	5	1.00
10/22/2018 5:00	68.20	1158	44	3.80
10/22/2018 6:00	66.40	2786	68	2.40
10/22/2018 7:00	67.00	5271	108	2.00
10/22/2018 8:00	67.40	5892	175	3.00
10/22/2018 9:00	66.10	5345	179	3.30
10/22/2018 10:00	65.70	5985	226	3.80
10/22/2018 11:00	64.60	6554	203	3.10
10/22/2018 12:00	64.20	7237	241	3.30
10/22/2018 13:00	63.90	8137	223	2.70
10/22/2018 14:00	61.20	9858	280	2.80
10/22/2018 15:00	57.50	10647	293	2.80
10/22/2018 16:00	54.30	10554	315	3.00
10/22/2018 17:00	54.50	10212	283	2.80
10/22/2018 18:00	63.00	8173	198	2.40
10/22/2018 19:00	64.90	6497	144	2.20
10/22/2018 20:00	67.70	5231	83	1.60
10/22/2018 21:00	67.20	4679	96	2.10
10/22/2018 22:00	68.60	3224	60	1.90
10/22/2018 23:00	68.70	2083	36	1.70
10/23/2018 0:00	68.40	1116	15	1.30
10/23/2018 1:00	68.10	565	13	2.30
10/23/2018 2:00	67.70	466	21	4.50
10/23/2018 3:00	68.20	267	8	3.00
10/23/2018 4:00	68.10	481	23	4.80
10/23/2018 5:00	69.20	1267	42	3.30
10/23/2018 6:00	66.50	2892	108	3.70
10/23/2018 7:00	67.20	5810	163	2.80
10/23/2018 8:00	66.20	5845	154	2.60
10/23/2018 9:00	66.00	5889	184	3.10
10/23/2018 10:00	65.50	5939	193	3.20
10/23/2018 11:00	64.40	6673	215	3.20
10/23/2018 12:00	64.20	7507	239	3.20
10/23/2018 13:00	63.40	8300	285	3.40
10/23/2018 14:00	59.80	9880	275	2.80
10/23/2018 15:00	41.10	9881	290	2.90
10/23/2018 16:00	36.00	9944	183	1.80
10/23/2018 17:00	42.30	10304	338	3.30
10/23/2018 18:00	55.00	9329	395	4.20
10/23/2018 19:00	63.00	7076	168	2.40
10/23/2018 20:00	66.90	6009	126	2.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/23/2018 21:00	68.90	5410	126	2.30
10/23/2018 22:00	71.60	3616	67	1.90
10/23/2018 23:00	69.70	2221	41	1.80
10/24/2018 0:00	69.30	1266	25	2.00
10/24/2018 1:00	68.20	658	14	2.10
10/24/2018 2:00	68.30	461	16	3.50
10/24/2018 3:00	68.40	281	5	1.80
10/24/2018 4:00	68.90	469	10	2.10
10/24/2018 5:00	68.60	1258	37	2.90
10/24/2018 6:00	68.30	2830	80	2.80
10/24/2018 7:00	68.60	5369	154	2.90
10/24/2018 8:00	67.80	6061	178	2.90
10/24/2018 9:00	65.30	5882	197	3.30
10/24/2018 10:00	66.10	6172	191	3.10
10/24/2018 11:00	65.30	7103	237	3.30
10/24/2018 12:00	64.30	7659	218	2.80
10/24/2018 13:00	64.00	8542	295	3.50
10/24/2018 14:00	60.90	9850	279	2.80
10/24/2018 15:00	53.20	9995	167	1.70
10/24/2018 16:00	41.00	9685	70	0.70
10/24/2018 17:00	53.50	9899	212	2.10
10/24/2018 18:00	53.90	9454	385	4.10
10/24/2018 19:00	57.20	7698	301	3.90
10/24/2018 20:00	65.40	6365	144	2.30
10/24/2018 21:00	68.60	5375	130	2.40
10/24/2018 22:00	68.60	3844	66	1.70
10/24/2018 23:00	69.70	2262	38	1.70
10/25/2018 0:00	68.90	1395	12	0.90
10/25/2018 1:00	68.70	738	9	1.20
10/25/2018 2:00	68.40	559	10	1.80
10/25/2018 3:00	68.40	364	13	3.60
10/25/2018 4:00	68.50	478	24	5.00
10/25/2018 5:00	68.60	1259	35	2.80
10/25/2018 6:00	66.50	2766	65	2.30
10/25/2018 7:00	68.30	5680	188	3.30
10/25/2018 8:00	67.70	6060	193	3.20
10/25/2018 9:00	66.50	5802	213	3.70
10/25/2018 10:00	66.00	6059	200	3.30
10/25/2018 11:00	64.90	6810	204	3.00
10/25/2018 12:00	64.20	7784	240	3.10
10/25/2018 13:00	63.40	8457	286	3.40
10/25/2018 14:00	57.90	9851	322	3.30
10/25/2018 15:00	38.30	9824	86	0.90
10/25/2018 16:00	30.50	9535	89	0.90
10/25/2018 17:00	32.30	9230	439	4.80
10/25/2018 18:00	38.50	9229	327	3.50
10/25/2018 19:00	53.50	8442	366	4.30
10/25/2018 20:00	65.60	6502	165	2.50
10/25/2018 21:00	68.80	5999	144	2.40
10/25/2018 22:00	68.70	4061	77	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/25/2018 23:00	68.00	2742	38	1.40
10/26/2018 0:00	68.50	1640	26	1.60
10/26/2018 1:00	68.60	921	22	2.40
10/26/2018 2:00	66.80	659	19	2.90
10/26/2018 3:00	68.10	393	14	3.60
10/26/2018 4:00	68.20	517	23	4.40
10/26/2018 5:00	68.00	1250	47	3.80
10/26/2018 6:00	66.80	2828	104	3.70
10/26/2018 7:00	68.60	5179	138	2.70
10/26/2018 8:00	67.20	5808	227	3.90
10/26/2018 9:00	66.40	5684	186	3.30
10/26/2018 10:00	66.40	6113	168	2.70
10/26/2018 11:00	64.90	7254	217	3.00
10/26/2018 12:00	64.20	8238	252	3.10
10/26/2018 13:00	62.60	9203	254	2.80
10/26/2018 14:00	60.10	10160	294	2.90
10/26/2018 15:00	45.40	9893	202	2.00
10/26/2018 16:00	34.20	9461	86	0.90
10/26/2018 17:00	58.40	9531	195	2.00
10/26/2018 18:00	60.60	8812	230	2.60
10/26/2018 19:00	61.10	7615	221	2.90
10/26/2018 20:00	65.80	6592	139	2.10
10/26/2018 21:00	67.60	6389	111	1.70
10/26/2018 22:00	68.60	5411	121	2.20
10/26/2018 23:00	68.50	3678	65	1.80
10/27/2018 0:00	67.20	2632	48	1.80
10/27/2018 1:00	68.70	1646	15	0.90
10/27/2018 2:00	69.00	1319	15	1.10
10/27/2018 3:00	69.40	653	3	0.50
10/27/2018 4:00	68.80	545	16	2.90
10/27/2018 5:00	68.60	706	14	2.00
10/27/2018 6:00	67.40	1554	40	2.60
10/27/2018 7:00	68.50	2706	90	3.30
10/27/2018 8:00	67.20	3674	133	3.60
10/27/2018 9:00	67.00	5081	119	2.30
10/27/2018 10:00	66.60	5867	120	2.00
10/27/2018 11:00	65.70	6681	114	1.70
10/27/2018 12:00	64.30	7881	179	2.30
10/27/2018 13:00	63.90	8366	197	2.40
10/27/2018 14:00	61.00	9053	300	3.30
10/27/2018 15:00	62.60	8890	233	2.60
10/27/2018 16:00	63.70	8702	202	2.30
10/27/2018 17:00	65.20	7740	131	1.70
10/27/2018 18:00	63.00	7177	158	2.20
10/27/2018 19:00	63.10	6560	121	1.80
10/27/2018 20:00	62.60	6440	106	1.60
10/27/2018 21:00	67.20	6237	143	2.30
10/27/2018 22:00	69.00	5253	101	1.90
10/27/2018 23:00	68.40	3783	64	1.70
10/28/2018 0:00	68.60	2686	46	1.70



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/28/2018 1:00	68.60	1810	33	1.80
10/28/2018 2:00	68.10	1578	38	2.40
10/28/2018 3:00	69.00	1065	21	2.00
10/28/2018 4:00	69.40	552	9	1.60
10/28/2018 5:00	68.90	626	10	1.60
10/28/2018 6:00	68.60	1095	29	2.60
10/28/2018 7:00	69.20	1633	41	2.50
10/28/2018 8:00	68.40	2665	58	2.20
10/28/2018 9:00	67.40	3897	61	1.60
10/28/2018 10:00	67.70	4824	80	1.70
10/28/2018 11:00	66.80	5783	97	1.70
10/28/2018 12:00	65.60	6933	146	2.10
10/28/2018 13:00	65.30	7047	177	2.50
10/28/2018 14:00	64.90	7302	139	1.90
10/28/2018 15:00	65.00	7366	155	2.10
10/28/2018 16:00	65.30	7180	91	1.30
10/28/2018 17:00	64.10	7160	144	2.00
10/28/2018 18:00	62.90	6955	112	1.60
10/28/2018 19:00	62.80	6279	131	2.10
10/28/2018 20:00	64.20	5490	123	2.20
10/28/2018 21:00	67.90	4554	113	2.50
10/28/2018 22:00	68.50	3389	72	2.10
10/28/2018 23:00	68.20	2266	25	1.10
10/29/2018 0:00	68.90	1292	28	2.20
10/29/2018 1:00	68.30	650	11	1.70
10/29/2018 2:00	68.70	445	5	1.10
10/29/2018 3:00	68.20	301	5	1.70
10/29/2018 4:00	68.50	496	10	2.00
10/29/2018 5:00	68.30	1184	33	2.80
10/29/2018 6:00	66.00	2733	98	3.60
10/29/2018 7:00	67.90	5215	160	3.10
10/29/2018 8:00	66.40	5810	200	3.40
10/29/2018 9:00	65.30	5529	156	2.80
10/29/2018 10:00	65.20	5831	176	3.00
10/29/2018 11:00	65.40	6580	198	3.00
10/29/2018 12:00	64.50	7455	217	2.90
10/29/2018 13:00	63.60	8077	259	3.20
10/29/2018 14:00	61.40	9715	270	2.80
10/29/2018 15:00	51.90	10417	245	2.40
10/29/2018 16:00	51.80	9992	271	2.70
10/29/2018 17:00	58.60	9557	178	1.90
10/29/2018 18:00	58.70	9039	270	3.00
10/29/2018 19:00	64.70	6613	148	2.20
10/29/2018 20:00	67.20	5593	145	2.60
10/29/2018 21:00	69.60	4636	86	1.90
10/29/2018 22:00	69.20	3252	52	1.60
10/29/2018 23:00	70.10	2099	31	1.50
10/30/2018 0:00	68.90	1090	20	1.80
10/30/2018 1:00	68.40	590	15	2.50
10/30/2018 2:00	68.10	426	14	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/30/2018 3:00	68.40	316	6	1.90
10/30/2018 4:00	68.90	538	13	2.40
10/30/2018 5:00	67.90	1193	27	2.30
10/30/2018 6:00	66.70	2909	81	2.80
10/30/2018 7:00	67.20	5740	170	3.00
10/30/2018 8:00	67.80	5970	167	2.80
10/30/2018 9:00	66.50	5535	190	3.40
10/30/2018 10:00	65.30	5972	176	2.90
10/30/2018 11:00	63.90	6818	224	3.30
10/30/2018 12:00	63.70	7344	190	2.60
10/30/2018 13:00	62.80	8396	244	2.90
10/30/2018 14:00	59.50	9795	321	3.30
10/30/2018 15:00	37.30	9541	102	1.10
10/30/2018 16:00	27.00	8966	260	2.90
10/30/2018 17:00	46.70	9886	123	1.20
10/30/2018 18:00	54.10	9668	390	4.00
10/30/2018 19:00	60.40	7826	200	2.60
10/30/2018 20:00	65.50	6311	139	2.20
10/30/2018 21:00	68.00	5331	113	2.10
10/30/2018 22:00	68.50	3692	82	2.20
10/30/2018 23:00	67.90	2471	68	2.80
10/31/2018 0:00	68.80	1344	33	2.50
10/31/2018 1:00	68.50	631	8	1.30
10/31/2018 2:00	68.30	530	4	0.80
10/31/2018 3:00	68.20	294	5	1.70
10/31/2018 4:00	68.90	484	11	2.30
10/31/2018 5:00	68.30	1209	32	2.60
10/31/2018 6:00	67.60	2706	73	2.70
10/31/2018 7:00	69.50	5389	148	2.70
10/31/2018 8:00	67.40	5960	116	1.90
10/31/2018 9:00	66.60	5722	207	3.60
10/31/2018 10:00	67.60	5686	174	3.10
10/31/2018 11:00	66.80	6326	156	2.50
10/31/2018 12:00	65.10	7841	218	2.80
10/31/2018 13:00	64.10	8872	241	2.70
10/31/2018 14:00	60.10	10042	356	3.50
10/31/2018 15:00	41.80	9726	77	0.80
10/31/2018 16:00	34.10	9231	26	0.30
10/31/2018 17:00	40.80	9460	69	0.70
10/31/2018 18:00	60.80	8263	208	2.50
10/31/2018 19:00	67.00	5712	114	2.00
10/31/2018 20:00	68.00	5797	150	2.60
10/31/2018 21:00	68.20	5133	81	1.60
10/31/2018 22:00	69.60	3666	51	1.40
10/31/2018 23:00	69.50	2606	59	2.30
11/01/2018 0:00	68.00	1749	34	1.90
11/01/2018 1:00	69.60	1107	15	1.40
11/01/2018 2:00	70.60	1167	19	1.60
11/01/2018 3:00	69.70	678	18	2.70
11/01/2018 4:00	69.00	581	25	4.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/01/2018 5:00	68.40	1237	31	2.50
11/01/2018 6:00	66.30	2779	75	2.70
11/01/2018 7:00	66.60	5441	154	2.80
11/01/2018 8:00	67.50	5908	197	3.30
11/01/2018 9:00	65.40	5277	168	3.20
11/01/2018 10:00	45.00	5706	233	4.10
11/01/2018 11:00	64.50	6408	191	3.00
11/01/2018 12:00	63.10	7308	259	3.50
11/01/2018 13:00	63.50	8297	303	3.70
11/01/2018 14:00	60.30	9918	324	3.30
11/01/2018 15:00	57.40	10093	218	2.20
11/01/2018 16:00	44.40	9917	167	1.70
11/01/2018 17:00	49.20	10085	254	2.50
11/01/2018 18:00	48.60	9456	380	4.00
11/01/2018 19:00	62.70	7172	159	2.20
11/01/2018 20:00	67.90	5962	142	2.40
11/01/2018 21:00	68.90	5124	110	2.10
11/01/2018 22:00	70.30	3782	96	2.50
11/01/2018 23:00	68.60	2493	64	2.60
11/02/2018 0:00	68.50	1437	26	1.80
11/02/2018 1:00	68.70	747	9	1.20
11/02/2018 2:00	68.80	543	5	0.90
11/02/2018 3:00	68.70	334	10	3.00
11/02/2018 4:00	67.60	476	23	4.80
11/02/2018 5:00	68.50	1138	40	3.50
11/02/2018 6:00	67.50	2703	128	4.70
11/02/2018 7:00	68.70	5182	186	3.60
11/02/2018 8:00	67.60	5897	171	2.90
11/02/2018 9:00	66.90	5732	174	3.00
11/02/2018 10:00	66.10	6335	204	3.20
11/02/2018 11:00	64.10	7358	265	3.60
11/02/2018 12:00	64.10	8348	252	3.00
11/02/2018 13:00	63.40	9071	272	3.00
11/02/2018 14:00	60.70	10090	354	3.50
11/02/2018 15:00	43.30	9370	101	1.10
11/02/2018 16:00	46.20	9121	116	1.30
11/02/2018 17:00	60.20	9339	168	1.80
11/02/2018 18:00	58.50	8846	323	3.70
11/02/2018 19:00	61.40	7608	200	2.60
11/02/2018 20:00	66.10	6160	136	2.20
11/02/2018 21:00	68.90	6094	132	2.20
11/02/2018 22:00	69.40	5166	111	2.10
11/02/2018 23:00	70.30	3636	46	1.30
11/03/2018 0:00	69.90	2506	65	2.60
11/03/2018 1:00	68.50	1380	25	1.80
11/03/2018 2:00	69.40	1124	22	2.00
11/03/2018 3:00	68.50	626	17	2.70
11/03/2018 4:00	68.60	495	11	2.20
11/03/2018 5:00	69.20	761	13	1.70
11/03/2018 6:00	68.00	1505	44	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/03/2018 7:00	68.50	2656	71	2.70
11/03/2018 8:00	67.10	3835	87	2.30
11/03/2018 9:00	67.40	4939	90	1.80
11/03/2018 10:00	66.60	6009	131	2.20
11/03/2018 11:00	65.70	6843	129	1.90
11/03/2018 12:00	65.30	7650	191	2.50
11/03/2018 13:00	64.70	7840	190	2.40
11/03/2018 14:00	64.80	8145	161	2.00
11/03/2018 15:00	65.10	8473	182	2.10
11/03/2018 16:00	64.80	8483	119	1.40
11/03/2018 17:00	64.60	8196	174	2.10
11/03/2018 18:00	62.90	7258	148	2.00
11/03/2018 19:00	63.50	6452	113	1.80
11/03/2018 20:00	65.00	5605	112	2.00
11/03/2018 21:00	68.40	5631	83	1.50
11/03/2018 22:00	68.40	4951	100	2.00
11/03/2018 23:00	69.10	3986	78	2.00
11/04/2018 0:00	68.10	2561	27	1.10
11/04/2018 1:00	68.40	1040	18	1.70
11/04/2018 2:00	68.50	685	7	1.00
11/04/2018 3:00	68.70	371	7	1.90
11/04/2018 4:00	68.90	420	7	1.70
11/04/2018 5:00	69.10	619	7	1.10
11/04/2018 6:00	68.40	1506	29	1.90
11/04/2018 7:00	68.80	2297	45	2.00
11/04/2018 8:00	67.60	3332	54	1.60
11/04/2018 9:00	67.70	4637	94	2.00
11/04/2018 10:00	67.00	5723	68	1.20
11/04/2018 11:00	64.60	6149	104	1.70
11/04/2018 12:00	63.50	7396	122	1.60
11/04/2018 13:00	63.50	7293	151	2.10
11/04/2018 14:00	63.70	7586	151	2.00
11/04/2018 15:00	64.60	7695	179	2.30
11/04/2018 16:00	63.90	7745	132	1.70
11/04/2018 17:00	60.70	7443	136	1.80
11/04/2018 18:00	60.20	6054	121	2.00
11/04/2018 19:00	63.20	5278	94	1.80
11/04/2018 20:00	65.80	4372	107	2.40
11/04/2018 21:00	69.00	3725	96	2.60
11/04/2018 22:00	69.40	2791	57	2.00
11/04/2018 23:00	68.90	1835	43	2.30
11/05/2018 0:00	69.20	992	11	1.10
11/05/2018 1:00	68.30	582	4	0.70
11/05/2018 2:00	68.80	366	4	1.10
11/05/2018 3:00	69.10	270	2	0.70
11/05/2018 4:00	68.80	453	14	3.10
11/05/2018 5:00	68.80	1347	49	3.60
11/05/2018 6:00	69.20	3003	67	2.20
11/05/2018 7:00	66.60	5487	169	3.10
11/05/2018 8:00	66.30	6110	153	2.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/05/2018 9:00	66.00	5663	158	2.80
11/05/2018 10:00	65.10	6048	160	2.60
11/05/2018 11:00	64.20	6728	202	3.00
11/05/2018 12:00	63.20	7419	216	2.90
11/05/2018 13:00	62.30	8236	176	2.10
11/05/2018 14:00	61.90	9723	242	2.50
11/05/2018 15:00	44.50	10114	208	2.10
11/05/2018 16:00	47.30	9981	171	1.70
11/05/2018 17:00	47.40	9746	251	2.60
11/05/2018 18:00	53.10	8583	257	3.00
11/05/2018 19:00	64.90	5984	114	1.90
11/05/2018 20:00	67.00	4952	89	1.80
11/05/2018 21:00	68.50	4042	73	1.80
11/05/2018 22:00	68.60	2758	49	1.80
11/05/2018 23:00	67.80	1948	43	2.20
11/06/2018 0:00	69.00	1060	14	1.30
11/06/2018 1:00	67.60	558	10	1.80
11/06/2018 2:00	67.60	436	13	3.00
11/06/2018 3:00	67.50	356	12	3.40
11/06/2018 4:00	68.90	479	9	1.90
11/06/2018 5:00	67.50	1308	42	3.20
11/06/2018 6:00	67.90	3148	94	3.00
11/06/2018 7:00	69.30	5929	161	2.70
11/06/2018 8:00	66.30	6035	154	2.60
11/06/2018 9:00	65.90	5786	168	2.90
11/06/2018 10:00	65.40	5995	175	2.90
11/06/2018 11:00	64.70	6820	159	2.30
11/06/2018 12:00	64.70	7349	177	2.40
11/06/2018 13:00	63.20	7948	159	2.00
11/06/2018 14:00	61.50	9972	277	2.80
11/06/2018 15:00	53.50	10097	194	1.90
11/06/2018 16:00	57.20	10122	180	1.80
11/06/2018 17:00	45.30	9383	272	2.90
11/06/2018 18:00	50.50	9107	297	3.30
11/06/2018 19:00	63.60	6652	188	2.80
11/06/2018 20:00	66.50	5260	119	2.30
11/06/2018 21:00	69.70	4744	110	2.30
11/06/2018 22:00	68.50	3281	61	1.90
11/06/2018 23:00	69.00	2181	22	1.00
11/07/2018 0:00	69.10	1322	9	0.70
11/07/2018 1:00	68.30	649	5	0.80
11/07/2018 2:00	68.00	480	9	1.90
11/07/2018 3:00	68.10	308	6	1.90
11/07/2018 4:00	68.80	466	17	3.60
11/07/2018 5:00	68.40	1265	41	3.20
11/07/2018 6:00	67.90	2978	75	2.50
11/07/2018 7:00	68.00	5571	137	2.50
11/07/2018 8:00	67.70	6143	167	2.70
11/07/2018 9:00	66.80	5736	152	2.60
11/07/2018 10:00	66.40	5958	197	3.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/07/2018 11:00	65.10	7008	161	2.30
11/07/2018 12:00	64.30	7810	197	2.50
11/07/2018 13:00	62.00	8583	280	3.30
11/07/2018 14:00	61.70	9868	289	2.90
11/07/2018 15:00	53.30	9969	322	3.20
11/07/2018 16:00	50.20	9931	168	1.70
11/07/2018 17:00	50.90	9520	266	2.80
11/07/2018 18:00	53.30	8939	284	3.20
11/07/2018 19:00	63.90	7047	161	2.30
11/07/2018 20:00	67.20	5946	147	2.50
11/07/2018 21:00	69.20	4866	132	2.70
11/07/2018 22:00	69.00	3376	73	2.20
11/07/2018 23:00	68.90	2298	39	1.70
11/08/2018 0:00	68.70	1280	25	2.00
11/08/2018 1:00	68.50	666	6	0.90
11/08/2018 2:00	68.20	511	9	1.80
11/08/2018 3:00	68.20	340	10	2.90
11/08/2018 4:00	68.80	499	11	2.20
11/08/2018 5:00	68.30	1282	59	4.60
11/08/2018 6:00	68.90	3042	103	3.40
11/08/2018 7:00	68.20	5731	170	3.00
11/08/2018 8:00	67.60	5941	152	2.60
11/08/2018 9:00	65.50	5786	163	2.80
11/08/2018 10:00	64.90	6165	177	2.90
11/08/2018 11:00	65.70	7004	148	2.10
11/08/2018 12:00	64.10	7936	198	2.50
11/08/2018 13:00	63.50	8583	275	3.20
11/08/2018 14:00	59.00	10018	325	3.20
11/08/2018 15:00	58.30	10083	216	2.10
11/08/2018 16:00	55.10	9868	310	3.10
11/08/2018 17:00	44.70	9456	206	2.20
11/08/2018 18:00	43.60	8972	221	2.50
11/08/2018 19:00	60.40	8034	244	3.00
11/08/2018 20:00	65.80	6235	151	2.40
11/08/2018 21:00	67.60	5419	99	1.80
11/08/2018 22:00	68.40	3716	89	2.40
11/08/2018 23:00	68.90	2479	54	2.20
11/09/2018 0:00	69.70	1368	19	1.40
11/09/2018 1:00	68.80	818	7	0.90
11/09/2018 2:00	68.20	557	9	1.60
11/09/2018 3:00	68.10	331	5	1.50
11/09/2018 4:00	68.10	510	22	4.30
11/09/2018 5:00	69.20	1256	20	1.60
11/09/2018 6:00	68.60	2971	87	2.90
11/09/2018 7:00	66.90	5392	143	2.70
11/09/2018 8:00	67.10	5846	164	2.80
11/09/2018 9:00	66.10	6001	171	2.80
11/09/2018 10:00	64.90	6434	216	3.40
11/09/2018 11:00	63.70	7696	243	3.20
11/09/2018 12:00	63.00	8637	247	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/09/2018 13:00	62.50	9245	295	3.20
11/09/2018 14:00	61.60	10063	246	2.40
11/09/2018 15:00	59.60	9728	245	2.50
11/09/2018 16:00	57.80	9411	183	1.90
11/09/2018 17:00	55.10	9364	240	2.60
11/09/2018 18:00	60.70	7986	228	2.90
11/09/2018 19:00	63.40	7024	158	2.20
11/09/2018 20:00	66.50	5913	157	2.70
11/09/2018 21:00	69.60	6208	156	2.50
11/09/2018 22:00	67.80	5459	109	2.00
11/09/2018 23:00	68.50	3522	80	2.30
11/10/2018 0:00	68.40	2352	46	2.00
11/10/2018 1:00	68.30	1427	29	2.00
11/10/2018 2:00	68.10	1104	22	2.00
11/10/2018 3:00	68.60	601	9	1.50
11/10/2018 4:00	68.80	520	8	1.50
11/10/2018 5:00	68.10	781	20	2.60
11/10/2018 6:00	69.20	1679	43	2.60
11/10/2018 7:00	68.50	2889	72	2.50
11/10/2018 8:00	67.80	4095	104	2.50
11/10/2018 9:00	67.30	5216	103	2.00
11/10/2018 10:00	66.20	6294	142	2.30
11/10/2018 11:00	65.70	6839	136	2.00
11/10/2018 12:00	65.00	7885	150	1.90
11/10/2018 13:00	64.60	8000	189	2.40
11/10/2018 14:00	64.20	8454	211	2.50
11/10/2018 15:00	63.50	8344	204	2.40
11/10/2018 16:00	56.00	7929	126	1.60
11/10/2018 17:00	47.30	7772	125	1.60
11/10/2018 18:00	61.70	7252	172	2.40
11/10/2018 19:00	62.90	5950	81	1.40
11/10/2018 20:00	65.10	5232	118	2.30
11/10/2018 21:00	68.80	5409	83	1.50
11/10/2018 22:00	67.50	4868	107	2.20
11/10/2018 23:00	69.00	3516	93	2.60
11/11/2018 0:00	68.70	2292	26	1.10
11/11/2018 1:00	68.30	1497	39	2.60
11/11/2018 2:00	68.70	1052	14	1.30
11/11/2018 3:00	68.50	625	9	1.40
11/11/2018 4:00	69.10	416	8	1.90
11/11/2018 5:00	69.10	587	8	1.40
11/11/2018 6:00	69.70	1100	23	2.10
11/11/2018 7:00	70.00	1813	30	1.70
11/11/2018 8:00	68.80	2807	56	2.00
11/11/2018 9:00	67.10	4125	93	2.30
11/11/2018 10:00	67.10	5056	73	1.40
11/11/2018 11:00	65.80	5929	129	2.20
11/11/2018 12:00	64.30	6937	93	1.30
11/11/2018 13:00	65.00	7110	151	2.10
11/11/2018 14:00	64.10	7469	152	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/11/2018 15:00	64.40	7352	144	2.00
11/11/2018 16:00	63.50	7606	135	1.80
11/11/2018 17:00	60.40	7563	158	2.10
11/11/2018 18:00	61.20	6407	126	2.00
11/11/2018 19:00	63.90	5657	127	2.20
11/11/2018 20:00	65.20	4634	88	1.90
11/11/2018 21:00	68.80	4071	64	1.60
11/11/2018 22:00	67.80	3154	45	1.40
11/11/2018 23:00	69.10	2172	25	1.20
11/12/2018 0:00	68.90	1434	20	1.40
11/12/2018 1:00	68.40	797	16	2.00
11/12/2018 2:00	68.50	487	10	2.10
11/12/2018 3:00	68.70	327	7	2.10
11/12/2018 4:00	68.50	433	8	1.80
11/12/2018 5:00	68.60	1020	20	2.00
11/12/2018 6:00	68.10	2148	67	3.10
11/12/2018 7:00	67.50	3688	88	2.40
11/12/2018 8:00	67.00	4470	98	2.20
11/12/2018 9:00	66.10	4817	127	2.60
11/12/2018 10:00	65.40	5654	149	2.60
11/12/2018 11:00	64.70	6673	145	2.20
11/12/2018 12:00	63.40	7308	161	2.20
11/12/2018 13:00	63.80	7886	236	3.00
11/12/2018 14:00	62.80	9130	261	2.90
11/12/2018 15:00	60.40	9866	321	3.30
11/12/2018 16:00	61.60	9413	213	2.30
11/12/2018 17:00	54.30	9236	279	3.00
11/12/2018 18:00	62.90	7361	176	2.40
11/12/2018 19:00	66.20	5795	100	1.70
11/12/2018 20:00	66.80	4920	72	1.50
11/12/2018 21:00	68.70	4200	107	2.50
11/12/2018 22:00	68.00	3111	38	1.20
11/12/2018 23:00	68.40	2070	38	1.80
11/13/2018 0:00	68.30	1145	17	1.50
11/13/2018 1:00	68.30	487	11	2.30
11/13/2018 2:00	68.70	440	10	2.30
11/13/2018 3:00	68.40	284	3	1.10
11/13/2018 4:00	67.60	460	22	4.80
11/13/2018 5:00	68.90	1270	48	3.80
11/13/2018 6:00	68.20	3017	91	3.00
11/13/2018 7:00	67.90	6012	139	2.30
11/13/2018 8:00	66.30	5592	121	2.20
11/13/2018 9:00	65.50	5975	165	2.80
11/13/2018 10:00	65.50	6142	179	2.90
11/13/2018 11:00	63.40	7021	206	2.90
11/13/2018 12:00	62.50	7659	249	3.30
11/13/2018 13:00	61.90	7959	169	2.10
11/13/2018 14:00	53.60	9433	393	4.20
11/13/2018 15:00	38.60	10077	197	2.00
11/13/2018 16:00	54.60	9847	189	1.90



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/13/2018 17:00	52.70	9109	245	2.70
11/13/2018 18:00	37.80	8186	136	1.70
11/13/2018 19:00	62.90	6767	225	3.30
11/13/2018 20:00	65.80	5702	154	2.70
11/13/2018 21:00	67.80	5065	82	1.60
11/13/2018 22:00	68.50	3392	68	2.00
11/13/2018 23:00	68.00	1991	28	1.40
11/14/2018 0:00	68.70	1102	23	2.10
11/14/2018 1:00	68.50	569	7	1.20
11/14/2018 2:00	67.90	447	9	2.00
11/14/2018 3:00	67.80	290	10	3.40
11/14/2018 4:00	68.30	490	19	3.90
11/14/2018 5:00	67.80	1282	57	4.40
11/14/2018 6:00	68.30	3006	67	2.20
11/14/2018 7:00	68.30	5606	153	2.70
11/14/2018 8:00	66.20	6079	180	3.00
11/14/2018 9:00	65.40	5906	202	3.40
11/14/2018 10:00	65.70	6061	183	3.00
11/14/2018 11:00	64.30	6905	196	2.80
11/14/2018 12:00	64.20	7917	207	2.60
11/14/2018 13:00	62.30	8599	223	2.60
11/14/2018 14:00	60.40	9970	298	3.00
11/14/2018 15:00	41.40	9682	89	0.90
11/14/2018 16:00	55.60	9620	222	2.30
11/14/2018 17:00	49.10	9360	272	2.90
11/14/2018 18:00	50.60	9171	309	3.40
11/14/2018 19:00	63.00	7121	184	2.60
11/14/2018 20:00	66.60	5885	159	2.70
11/14/2018 21:00	68.30	4794	83	1.70
11/14/2018 22:00	67.80	3383	95	2.80
11/14/2018 23:00	68.40	2106	17	0.80
11/15/2018 0:00	67.60	1200	16	1.30
11/15/2018 1:00	67.20	676	10	1.50
11/15/2018 2:00	67.60	447	21	4.70
11/15/2018 3:00	67.60	326	27	8.30
11/15/2018 4:00	68.30	487	8	1.60
11/15/2018 5:00	67.60	1309	31	2.40
11/15/2018 6:00	68.40	3072	93	3.00
11/15/2018 7:00	68.70	5790	116	2.00
11/15/2018 8:00	67.90	5922	137	2.30
11/15/2018 9:00	65.90	5799	188	3.20
11/15/2018 10:00	66.10	6217	183	2.90
11/15/2018 11:00	65.90	7016	191	2.70
11/15/2018 12:00	64.60	7852	210	2.70
11/15/2018 13:00	63.90	8476	273	3.20
11/15/2018 14:00	61.60	9799	272	2.80
11/15/2018 15:00	37.90	9489	91	1.00
11/15/2018 16:00	56.90	9989	211	2.10
11/15/2018 17:00	43.40	9511	232	2.40
11/15/2018 18:00	54.30	8784	247	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/15/2018 19:00	57.10	7214	336	4.70
11/15/2018 20:00	64.70	5921	161	2.70
11/15/2018 21:00	67.70	5389	152	2.80
11/15/2018 22:00	68.10	3640	59	1.60
11/15/2018 23:00	68.40	2443	42	1.70
11/16/2018 0:00	68.00	1557	47	3.00
11/16/2018 1:00	68.00	841	13	1.50
11/16/2018 2:00	68.00	620	15	2.40
11/16/2018 3:00	68.60	373	3	0.80
11/16/2018 4:00	68.30	519	12	2.30
11/16/2018 5:00	68.10	1328	48	3.60
11/16/2018 6:00	67.90	2839	60	2.10
11/16/2018 7:00	67.90	5172	152	2.90
11/16/2018 8:00	67.50	5747	150	2.60
11/16/2018 9:00	65.60	5807	196	3.40
11/16/2018 10:00	65.80	6246	192	3.10
11/16/2018 11:00	64.20	7585	224	3.00
11/16/2018 12:00	63.40	8228	241	2.90
11/16/2018 13:00	62.40	8877	219	2.50
11/16/2018 14:00	60.60	10071	290	2.90
11/16/2018 15:00	45.40	9619	114	1.20
11/16/2018 16:00	47.60	9454	171	1.80
11/16/2018 17:00	49.70	9357	271	2.90
11/16/2018 18:00	55.70	8100	270	3.30
11/16/2018 19:00	62.70	7091	193	2.70
11/16/2018 20:00	64.70	6347	159	2.50
11/16/2018 21:00	67.70	6236	112	1.80
11/16/2018 22:00	67.30	5501	102	1.90
11/16/2018 23:00	66.80	3527	43	1.20
11/17/2018 0:00	67.80	2336	27	1.20
11/17/2018 1:00	68.30	1432	26	1.80
11/17/2018 2:00	68.80	1097	15	1.40
11/17/2018 3:00	68.40	596	15	2.50
11/17/2018 4:00	68.80	555	16	2.90
11/17/2018 5:00	68.30	807	29	3.60
11/17/2018 6:00	68.70	1625	62	3.80
11/17/2018 7:00	67.60	2905	95	3.30
11/17/2018 8:00	67.40	4094	105	2.60
11/17/2018 9:00	67.10	5142	140	2.70
11/17/2018 10:00	66.30	6171	121	2.00
11/17/2018 11:00	64.50	6988	161	2.30
11/17/2018 12:00	64.30	7803	197	2.50
11/17/2018 13:00	64.80	8132	183	2.30
11/17/2018 14:00	63.80	8241	226	2.70
11/17/2018 15:00	64.40	8481	151	1.80
11/17/2018 16:00	63.80	8225	167	2.00
11/17/2018 17:00	59.00	8179	228	2.80
11/17/2018 18:00	62.50	6779	161	2.40
11/17/2018 19:00	63.50	5899	141	2.40
11/17/2018 20:00	65.00	5181	89	1.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/17/2018 21:00	68.20	5208	100	1.90
11/17/2018 22:00	69.40	4567	62	1.40
11/17/2018 23:00	70.70	3780	56	1.50
11/18/2018 0:00	69.10	2312	45	1.90
11/18/2018 1:00	68.50	1406	33	2.30
11/18/2018 2:00	69.50	1162	12	1.00
11/18/2018 3:00	69.30	608	8	1.30
11/18/2018 4:00	68.90	474	13	2.70
11/18/2018 5:00	68.70	625	12	1.90
11/18/2018 6:00	68.80	1166	27	2.30
11/18/2018 7:00	68.90	2001	27	1.30
11/18/2018 8:00	68.60	3306	75	2.30
11/18/2018 9:00	66.10	4420	114	2.60
11/18/2018 10:00	66.80	5302	90	1.70
11/18/2018 11:00	65.30	6112	131	2.10
11/18/2018 12:00	64.60	7104	138	1.90
11/18/2018 13:00	64.30	7195	173	2.40
11/18/2018 14:00	64.40	7241	150	2.10
11/18/2018 15:00	64.30	7471	180	2.40
11/18/2018 16:00	63.20	7660	171	2.20
11/18/2018 17:00	60.50	7373	175	2.40
11/18/2018 18:00	61.90	6301	164	2.60
11/18/2018 19:00	62.90	5662	116	2.00
11/18/2018 20:00	65.40	4807	54	1.10
11/18/2018 21:00	67.80	4074	56	1.40
11/18/2018 22:00	67.60	3010	59	2.00
11/18/2018 23:00	68.40	2096	42	2.00
11/19/2018 0:00	68.90	1223	9	0.70
11/19/2018 1:00	68.50	606	10	1.70
11/19/2018 2:00	68.60	440	9	2.00
11/19/2018 3:00	68.30	301	2	0.70
11/19/2018 4:00	68.50	471	21	4.50
11/19/2018 5:00	67.70	1181	35	3.00
11/19/2018 6:00	68.40	2507	72	2.90
11/19/2018 7:00	67.60	4523	106	2.30
11/19/2018 8:00	67.40	5483	138	2.50
11/19/2018 9:00	65.30	5578	173	3.10
11/19/2018 10:00	65.30	6070	178	2.90
11/19/2018 11:00	63.70	6904	167	2.40
11/19/2018 12:00	63.50	7664	168	2.20
11/19/2018 13:00	62.80	8519	243	2.90
11/19/2018 14:00	60.70	9809	251	2.60
11/19/2018 15:00	57.30	10527	275	2.60
11/19/2018 16:00	53.90	10048	189	1.90
11/19/2018 17:00	38.30	9164	159	1.70
11/19/2018 18:00	49.30	8115	209	2.60
11/19/2018 19:00	64.40	6151	140	2.30
11/19/2018 20:00	66.60	4937	65	1.30
11/19/2018 21:00	67.80	4746	96	2.00
11/19/2018 22:00	67.50	3428	92	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/19/2018 23:00	67.40	2119	51	2.40
11/20/2018 0:00	67.60	1157	28	2.40
11/20/2018 1:00	68.20	620	8	1.30
11/20/2018 2:00	67.80	473	11	2.30
11/20/2018 3:00	68.10	275	8	2.90
11/20/2018 4:00	68.30	490	18	3.70
11/20/2018 5:00	67.90	1190	47	3.90
11/20/2018 6:00	67.10	2642	91	3.40
11/20/2018 7:00	66.90	4768	128	2.70
11/20/2018 8:00	66.00	5383	142	2.60
11/20/2018 9:00	65.20	5653	182	3.20
11/20/2018 10:00	65.20	6274	177	2.80
11/20/2018 11:00	62.80	7146	198	2.80
11/20/2018 12:00	64.20	7783	145	1.90
11/20/2018 13:00	62.70	8625	262	3.00
11/20/2018 14:00	61.10	9779	279	2.90
11/20/2018 15:00	58.80	10236	255	2.50
11/20/2018 16:00	51.10	10132	194	1.90
11/20/2018 17:00	51.40	9070	194	2.10
11/20/2018 18:00	56.70	8622	216	2.50
11/20/2018 19:00	63.10	6976	117	1.70
11/20/2018 20:00	66.40	5665	139	2.50
11/20/2018 21:00	68.30	5020	129	2.60
11/20/2018 22:00	67.60	3829	105	2.70
11/20/2018 23:00	68.60	2751	40	1.50
11/21/2018 0:00	68.10	1485	26	1.80
11/21/2018 1:00	67.80	797	20	2.50
11/21/2018 2:00	67.90	584	17	2.90
11/21/2018 3:00	68.00	349	12	3.40
11/21/2018 4:00	68.90	572	16	2.80
11/21/2018 5:00	69.00	1265	30	2.40
11/21/2018 6:00	68.80	2579	52	2.00
11/21/2018 7:00	67.10	4331	134	3.10
11/21/2018 8:00	67.40	5252	136	2.60
11/21/2018 9:00	66.00	5611	167	3.00
11/21/2018 10:00	65.70	6472	156	2.40
11/21/2018 11:00	64.10	7554	241	3.20
11/21/2018 12:00	62.70	8959	278	3.10
11/21/2018 13:00	62.00	9216	206	2.20
11/21/2018 14:00	60.90	10061	213	2.10
11/21/2018 15:00	60.30	10123	211	2.10
11/21/2018 16:00	61.40	9210	198	2.10
11/21/2018 17:00	59.00	8454	233	2.80
11/21/2018 18:00	63.20	6827	167	2.40
11/21/2018 19:00	64.80	5661	145	2.60
11/21/2018 20:00	66.00	5120	143	2.80
11/21/2018 21:00	68.10	4820	133	2.80
11/21/2018 22:00	67.80	3887	46	1.20
11/21/2018 23:00	68.10	2863	30	1.00
11/22/2018 0:00	67.30	1844	21	1.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/22/2018 1:00	68.40	1139	13	1.10
11/22/2018 2:00	69.00	910	6	0.70
11/22/2018 3:00	68.50	484	15	3.10
11/22/2018 4:00	69.50	435	8	1.80
11/22/2018 5:00	69.20	649	19	2.90
11/22/2018 6:00	69.10	1203	35	2.90
11/22/2018 7:00	69.50	1924	44	2.30
11/22/2018 8:00	69.30	2524	39	1.50
11/22/2018 9:00	69.30	3560	68	1.90
11/22/2018 10:00	69.50	4098	65	1.60
11/22/2018 11:00	68.80	4725	105	2.20
11/22/2018 12:00	68.10	5134	85	1.70
11/22/2018 13:00	68.30	5702	104	1.80
11/22/2018 14:00	67.50	5520	83	1.50
11/22/2018 15:00	68.10	5003	124	2.50
11/22/2018 16:00	67.90	4272	55	1.30
11/22/2018 17:00	66.10	3827	63	1.60
11/22/2018 18:00	65.10	3627	54	1.50
11/22/2018 19:00	64.90	3739	65	1.70
11/22/2018 20:00	65.60	3727	84	2.30
11/22/2018 21:00	69.40	3271	67	2.00
11/22/2018 22:00	68.70	2755	65	2.40
11/22/2018 23:00	69.20	2142	38	1.80
11/23/2018 0:00	69.10	1621	24	1.50
11/23/2018 1:00	67.80	1049	27	2.60
11/23/2018 2:00	68.70	639	6	0.90
11/23/2018 3:00	68.90	366	4	1.10
11/23/2018 4:00	68.80	343	2	0.60
11/23/2018 5:00	67.80	771	24	3.10
11/23/2018 6:00	70.10	1501	18	1.20
11/23/2018 7:00	69.40	2399	37	1.50
11/23/2018 8:00	67.40	3291	111	3.40
11/23/2018 9:00	67.50	4231	107	2.50
11/23/2018 10:00	66.80	5216	113	2.20
11/23/2018 11:00	65.50	5866	138	2.40
11/23/2018 12:00	65.30	6426	172	2.70
11/23/2018 13:00	65.20	7004	120	1.70
11/23/2018 14:00	65.20	7370	133	1.80
11/23/2018 15:00	65.60	7455	135	1.80
11/23/2018 16:00	64.30	7408	140	1.90
11/23/2018 17:00	62.00	7266	127	1.70
11/23/2018 18:00	64.10	6053	155	2.60
11/23/2018 19:00	64.70	5276	63	1.20
11/23/2018 20:00	65.60	4745	67	1.40
11/23/2018 21:00	68.90	4860	49	1.00
11/23/2018 22:00	69.30	4168	60	1.40
11/23/2018 23:00	68.90	2930	46	1.60
11/24/2018 0:00	68.80	1861	36	1.90
11/24/2018 1:00	68.90	1124	13	1.20
11/24/2018 2:00	69.10	775	15	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/24/2018 3:00	69.00	495	6	1.20
11/24/2018 4:00	68.90	456	5	1.10
11/24/2018 5:00	68.40	678	15	2.20
11/24/2018 6:00	67.90	1326	36	2.70
11/24/2018 7:00	68.20	2182	59	2.70
11/24/2018 8:00	67.70	3006	77	2.60
11/24/2018 9:00	67.20	3984	92	2.30
11/24/2018 10:00	66.80	5025	75	1.50
11/24/2018 11:00	65.90	5856	118	2.00
11/24/2018 12:00	66.40	6482	140	2.20
11/24/2018 13:00	66.50	6786	133	2.00
11/24/2018 14:00	66.40	6907	103	1.50
11/24/2018 15:00	65.30	7490	167	2.20
11/24/2018 16:00	65.00	7385	159	2.20
11/24/2018 17:00	62.30	7202	160	2.20
11/24/2018 18:00	64.10	6232	151	2.40
11/24/2018 19:00	65.10	5295	109	2.10
11/24/2018 20:00	65.30	4627	82	1.80
11/24/2018 21:00	68.40	4809	55	1.10
11/24/2018 22:00	69.20	4224	83	2.00
11/24/2018 23:00	69.10	3315	67	2.00
11/25/2018 0:00	67.60	2159	58	2.70
11/25/2018 1:00	68.00	1265	27	2.10
11/25/2018 2:00	69.70	1043	13	1.20
11/25/2018 3:00	69.00	549	8	1.50
11/25/2018 4:00	69.10	441	4	0.90
11/25/2018 5:00	69.30	647	3	0.50
11/25/2018 6:00	69.40	1189	18	1.50
11/25/2018 7:00	67.20	1849	33	1.80
11/25/2018 8:00	68.50	2769	49	1.80
11/25/2018 9:00	66.90	4043	74	1.80
11/25/2018 10:00	66.90	4944	75	1.50
11/25/2018 11:00	66.10	5657	107	1.90
11/25/2018 12:00	65.20	6595	85	1.30
11/25/2018 13:00	64.50	6806	153	2.20
11/25/2018 14:00	65.10	7000	123	1.80
11/25/2018 15:00	64.80	6928	108	1.60
11/25/2018 16:00	63.90	7110	136	1.90
11/25/2018 17:00	62.10	6987	136	1.90
11/25/2018 18:00	62.80	5989	120	2.00
11/25/2018 19:00	65.30	5480	121	2.20
11/25/2018 20:00	66.10	4638	105	2.30
11/25/2018 21:00	68.20	3953	90	2.30
11/25/2018 22:00	67.80	2974	45	1.50
11/25/2018 23:00	69.00	2349	18	0.80
11/26/2018 0:00	68.60	1599	34	2.10
11/26/2018 1:00	67.40	674	19	2.80
11/26/2018 2:00	68.60	432	11	2.50
11/26/2018 3:00	68.40	288	5	1.70
11/26/2018 4:00	68.50	498	14	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/26/2018 5:00	68.20	1178	35	3.00
11/26/2018 6:00	67.80	2893	93	3.20
11/26/2018 7:00	68.20	5394	128	2.40
11/26/2018 8:00	66.80	5862	136	2.30
11/26/2018 9:00	65.10	5599	173	3.10
11/26/2018 10:00	64.40	6089	167	2.70
11/26/2018 11:00	63.30	6688	192	2.90
11/26/2018 12:00	64.20	7331	156	2.10
11/26/2018 13:00	62.90	8038	215	2.70
11/26/2018 14:00	60.80	9554	283	3.00
11/26/2018 15:00	58.00	9896	211	2.10
11/26/2018 16:00	54.60	9604	142	1.50
11/26/2018 17:00	50.50	9484	220	2.30
11/26/2018 18:00	57.90	8312	261	3.10
11/26/2018 19:00	65.00	6126	128	2.10
11/26/2018 20:00	67.00	5084	86	1.70
11/26/2018 21:00	68.70	4445	95	2.10
11/26/2018 22:00	68.50	3170	60	1.90
11/26/2018 23:00	68.40	2056	41	2.00
11/27/2018 0:00	68.60	1117	16	1.40
11/27/2018 1:00	68.00	586	8	1.40
11/27/2018 2:00	68.00	417	11	2.60
11/27/2018 3:00	68.30	294	9	3.10
11/27/2018 4:00	68.40	484	19	3.90
11/27/2018 5:00	69.00	1212	24	2.00
11/27/2018 6:00	67.00	3023	74	2.40
11/27/2018 7:00	66.90	5804	133	2.30
11/27/2018 8:00	66.00	5902	179	3.00
11/27/2018 9:00	65.20	5767	147	2.50
11/27/2018 10:00	64.00	6015	163	2.70
11/27/2018 11:00	62.90	6729	188	2.80
11/27/2018 12:00	62.70	7569	205	2.70
11/27/2018 13:00	61.10	8321	252	3.00
11/27/2018 14:00	53.30	9972	289	2.90
11/27/2018 15:00	42.50	10123	187	1.80
11/27/2018 16:00	47.20	9776	149	1.50
11/27/2018 17:00	53.80	8731	180	2.10
11/27/2018 18:00	53.60	8828	219	2.50
11/27/2018 19:00	59.80	7686	251	3.30
11/27/2018 20:00	65.30	5630	123	2.20
11/27/2018 21:00	67.00	4936	92	1.90
11/27/2018 22:00	68.40	3332	45	1.40
11/27/2018 23:00	68.60	1906	23	1.20
11/28/2018 0:00	68.20	1193	17	1.40
11/28/2018 1:00	68.30	606	15	2.50
11/28/2018 2:00	68.30	437	3	0.70
11/28/2018 3:00	67.90	326	11	3.40
11/28/2018 4:00	68.40	492	17	3.50
11/28/2018 5:00	67.90	1247	25	2.00
11/28/2018 6:00	67.70	2912	88	3.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/28/2018 7:00	68.50	5600	128	2.30
11/28/2018 8:00	65.50	6128	183	3.00
11/28/2018 9:00	65.80	5735	173	3.00
11/28/2018 10:00	65.40	5950	136	2.30
11/28/2018 11:00	64.70	7079	174	2.50
11/28/2018 12:00	63.50	7759	229	3.00
11/28/2018 13:00	62.30	8474	263	3.10
11/28/2018 14:00	57.10	10086	387	3.80
11/28/2018 15:00	49.10	10365	232	2.20
11/28/2018 16:00	45.20	10199	253	2.50
11/28/2018 17:00	31.40	8889	128	1.40
11/28/2018 18:00	42.50	9128	313	3.40
11/28/2018 19:00	59.80	7041	261	3.70
11/28/2018 20:00	67.00	5734	108	1.90
11/28/2018 21:00	68.60	4978	100	2.00
11/28/2018 22:00	68.30	3567	70	2.00
11/28/2018 23:00	67.10	2104	32	1.50
11/29/2018 0:00	65.70	1291	22	1.70
11/29/2018 1:00	65.90	713	9	1.30
11/29/2018 2:00	66.60	496	7	1.40
11/29/2018 3:00	67.60	305	3	1.00
11/29/2018 4:00	67.00	525	6	1.10
11/29/2018 5:00	65.20	1221	24	2.00
11/29/2018 6:00	66.40	2798	71	2.50
11/29/2018 7:00	66.60	5432	142	2.60
11/29/2018 8:00	61.40	5850	187	3.20
11/29/2018 9:00	64.20	5487	141	2.60
11/29/2018 10:00	57.00	5488	159	2.90
11/29/2018 11:00	48.00	6013	237	3.90
11/29/2018 12:00	50.00	6724	307	4.60
11/29/2018 13:00	57.80	7323	169	2.30
11/29/2018 14:00	56.40	9111	266	2.90
11/29/2018 15:00	40.80	9191	307	3.30
11/29/2018 16:00	23.70	8437	514	6.10
11/29/2018 17:00	29.50	8342	222	2.70
11/29/2018 18:00	40.10	7579	401	5.30
11/29/2018 19:00	63.00	5938	98	1.70
11/29/2018 20:00	65.50	5064	65	1.30
11/29/2018 21:00	67.20	4651	73	1.60
11/29/2018 22:00	61.50	3361	56	1.70
11/29/2018 23:00	62.70	2231	37	1.70
11/30/2018 0:00	66.00	1358	22	1.60
11/30/2018 1:00	67.00	719	12	1.70
11/30/2018 2:00	68.00	547	8	1.50
11/30/2018 3:00	67.80	349	8	2.30
11/30/2018 4:00	67.60	454	12	2.60
11/30/2018 5:00	66.80	1164	35	3.00
11/30/2018 6:00	65.40	2815	73	2.60
11/30/2018 7:00	66.20	5179	153	3.00
11/30/2018 8:00	65.20	5709	201	3.50



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/30/2018 9:00	65.30	5605	150	2.70
11/30/2018 10:00	64.30	6251	186	3.00
11/30/2018 11:00	62.70	7438	210	2.80
11/30/2018 12:00	62.70	8168	222	2.70
11/30/2018 13:00	61.70	9261	237	2.60
11/30/2018 14:00	58.90	10097	233	2.30
11/30/2018 15:00	56.70	10093	239	2.40
11/30/2018 16:00	55.50	9936	234	2.40
11/30/2018 17:00	40.20	9258	206	2.20
11/30/2018 18:00	56.90	8193	289	3.50
11/30/2018 19:00	60.70	6797	155	2.30
11/30/2018 20:00	63.80	5929	118	2.00
11/30/2018 21:00	66.10	5910	124	2.10
11/30/2018 22:00	66.90	5365	100	1.90
11/30/2018 23:00	68.80	3565	68	1.90
12/01/2018 0:00	67.80	2413	46	1.90
12/01/2018 1:00	68.20	1475	33	2.20
12/01/2018 2:00	67.70	1095	25	2.30
12/01/2018 3:00	68.10	608	10	1.60
12/01/2018 4:00	69.00	439	3	0.70
12/01/2018 5:00	68.60	767	15	2.00
12/01/2018 6:00	69.40	1490	32	2.10
12/01/2018 7:00	68.60	2769	52	1.90
12/01/2018 8:00	67.50	3709	101	2.70
12/01/2018 9:00	66.90	4979	130	2.60
12/01/2018 10:00	67.10	6009	128	2.10
12/01/2018 11:00	65.80	6893	133	1.90
12/01/2018 12:00	64.30	7687	155	2.00
12/01/2018 13:00	63.60	8083	216	2.70
12/01/2018 14:00	64.30	8098	198	2.40
12/01/2018 15:00	63.70	8251	171	2.10
12/01/2018 16:00	63.00	8219	185	2.30
12/01/2018 17:00	59.50	7995	213	2.70
12/01/2018 18:00	61.10	6785	141	2.10
12/01/2018 19:00	64.20	6278	144	2.30
12/01/2018 20:00	64.50	5690	118	2.10
12/01/2018 21:00	66.70	5732	114	2.00
12/01/2018 22:00	66.70	4980	70	1.40
12/01/2018 23:00	66.90	3792	101	2.70
12/02/2018 0:00	67.80	2462	53	2.20
12/02/2018 1:00	68.60	1531	36	2.40
12/02/2018 2:00	68.60	1236	36	2.90
12/02/2018 3:00	68.20	655	14	2.10
12/02/2018 4:00	69.10	408	3	0.70
12/02/2018 5:00	68.60	546	15	2.70
12/02/2018 6:00	69.70	1115	13	1.20
12/02/2018 7:00	68.30	1793	45	2.50
12/02/2018 8:00	68.30	2743	53	1.90
12/02/2018 9:00	66.70	4038	96	2.40
12/02/2018 10:00	66.70	5086	101	2.00

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/02/2018 11:00	65.90	5745	131	2.30
12/02/2018 12:00	64.60	7004	130	1.90
12/02/2018 13:00	64.40	7232	157	2.20
12/02/2018 14:00	65.20	7397	150	2.00
12/02/2018 15:00	63.50	7680	147	1.90
12/02/2018 16:00	62.40	7949	190	2.40
12/02/2018 17:00	59.70	7447	156	2.10
12/02/2018 18:00	62.30	6051	143	2.40
12/02/2018 19:00	63.40	5479	79	1.40
12/02/2018 20:00	65.30	4867	94	1.90
12/02/2018 21:00	67.30	4248	76	1.80
12/02/2018 22:00	68.50	2975	42	1.40
12/02/2018 23:00	68.60	2043	37	1.80
12/03/2018 0:00	68.30	1106	23	2.10
12/03/2018 1:00	68.60	573	4	0.70
12/03/2018 2:00	68.40	416	12	2.90
12/03/2018 3:00	68.60	304	8	2.60
12/03/2018 4:00	68.30	425	17	4.00
12/03/2018 5:00	68.00	1173	29	2.50
12/03/2018 6:00	66.70	2822	57	2.00
12/03/2018 7:00	67.40	5300	125	2.40
12/03/2018 8:00	65.60	5965	171	2.90
12/03/2018 9:00	65.20	5565	149	2.70
12/03/2018 10:00	63.90	5789	189	3.30
12/03/2018 11:00	63.50	6676	190	2.80
12/03/2018 12:00	63.40	7341	217	3.00
12/03/2018 13:00	63.40	7923	243	3.10
12/03/2018 14:00	49.10	9317	245	2.60
12/03/2018 15:00	43.80	10164	253	2.50
12/03/2018 16:00	35.30	9459	169	1.80
12/03/2018 17:00	34.20	9024	67	0.70
12/03/2018 18:00	47.10	8717	162	1.90
12/03/2018 19:00	63.80	6625	167	2.50
12/03/2018 20:00	65.80	5246	83	1.60
12/03/2018 21:00	67.80	4359	98	2.20
12/03/2018 22:00	68.00	3065	45	1.50
12/03/2018 23:00	68.00	1948	26	1.30
12/04/2018 0:00	68.30	1045	17	1.60
12/04/2018 1:00	68.30	560	5	0.90
12/04/2018 2:00	66.90	460	11	2.40
12/04/2018 3:00	68.30	286	6	2.10
12/04/2018 4:00	67.90	452	12	2.70
12/04/2018 5:00	67.20	1181	32	2.70
12/04/2018 6:00	66.80	2951	65	2.20
12/04/2018 7:00	67.40	5774	140	2.40
12/04/2018 8:00	67.00	6030	134	2.20
12/04/2018 9:00	64.50	5810	155	2.70
12/04/2018 10:00	65.40	5956	178	3.00
12/04/2018 11:00	64.00	6752	194	2.90
12/04/2018 12:00	63.50	6713	172	2.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/04/2018 13:00	62.70	8219	218	2.70
12/04/2018 14:00	58.80	9926	319	3.20
12/04/2018 15:00	55.50	10086	346	3.40
12/04/2018 16:00	53.70	9287	189	2.00
12/04/2018 17:00	49.10	8892	158	1.80
12/04/2018 18:00	55.90	8269	176	2.10
12/04/2018 19:00	58.80	7582	302	4.00
12/04/2018 20:00	65.90	5850	110	1.90
12/04/2018 21:00	68.80	5050	96	1.90
12/04/2018 22:00	67.40	3500	96	2.70
12/04/2018 23:00	68.40	2158	18	0.80
12/05/2018 0:00	68.40	1188	30	2.50
12/05/2018 1:00	67.30	663	17	2.60
12/05/2018 2:00	67.60	465	19	4.10
12/05/2018 3:00	68.10	309	12	3.90
12/05/2018 4:00	68.20	422	14	3.30
12/05/2018 5:00	67.90	1146	19	1.70
12/05/2018 6:00	67.20	2880	86	3.00
12/05/2018 7:00	68.20	5509	164	3.00
12/05/2018 8:00	66.60	6227	153	2.50
12/05/2018 9:00	65.00	6019	167	2.80
12/05/2018 10:00	64.40	6154	144	2.30
12/05/2018 11:00	62.90	7187	185	2.60
12/05/2018 12:00	58.70	7783	253	3.30
12/05/2018 13:00	43.20	8041	379	4.70
12/05/2018 14:00	40.30	8211	328	4.00
12/05/2018 15:00	24.00	7390	23	0.30
12/05/2018 16:00	22.80	7101	118	1.70
12/05/2018 17:00	22.00	7232	368	5.10
12/05/2018 18:00	45.70	7798	296	3.80
12/05/2018 19:00	61.10	6441	164	2.50
12/05/2018 20:00	66.50	5014	118	2.40
12/05/2018 21:00	69.10	4816	103	2.10
12/05/2018 22:00	69.30	3243	39	1.20
12/05/2018 23:00	68.90	2075	39	1.90
12/06/2018 0:00	68.40	1153	36	3.10
12/06/2018 1:00	67.80	635	12	1.90
12/06/2018 2:00	67.30	444	6	1.40
12/06/2018 3:00	67.00	301	13	4.30
12/06/2018 4:00	67.60	442	15	3.40
12/06/2018 5:00	65.80	1085	34	3.10
12/06/2018 6:00	60.90	2610	73	2.80
12/06/2018 7:00	63.30	5398	124	2.30
12/06/2018 8:00	64.10	5658	163	2.90
12/06/2018 9:00	59.30	5402	153	2.80
12/06/2018 10:00	59.90	5834	173	3.00
12/06/2018 11:00	62.70	6454	178	2.80
12/06/2018 12:00	63.30	7122	192	2.70
12/06/2018 13:00	51.20	7880	253	3.20
12/06/2018 14:00	50.80	9438	252	2.70

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/06/2018 15:00	43.60	9583	371	3.90
12/06/2018 16:00	18.80	6351	40	0.60
12/06/2018 17:00	19.80	6542	18	0.30
12/06/2018 18:00	31.30	6632	234	3.50
12/06/2018 19:00	40.60	6351	206	3.20
12/06/2018 20:00	47.70	5097	118	2.30
12/06/2018 21:00	52.50	4286	82	1.90
12/06/2018 22:00	59.60	3382	74	2.20
12/06/2018 23:00	63.60	2241	54	2.40
12/07/2018 0:00	67.90	1229	30	2.40
12/07/2018 1:00	67.80	718	14	1.90
12/07/2018 2:00	67.80	463	4	0.90
12/07/2018 3:00	67.90	316	9	2.80
12/07/2018 4:00	67.40	505	24	4.80
12/07/2018 5:00	67.30	1079	23	2.10
12/07/2018 6:00	64.60	2759	93	3.40
12/07/2018 7:00	66.00	5261	113	2.10
12/07/2018 8:00	65.50	5780	196	3.40
12/07/2018 9:00	64.20	5774	176	3.00
12/07/2018 10:00	63.10	5995	179	3.00
12/07/2018 11:00	62.50	7422	197	2.70
12/07/2018 12:00	62.00	8025	254	3.20
12/07/2018 13:00	60.20	9137	215	2.40
12/07/2018 14:00	58.00	10058	227	2.30
12/07/2018 15:00	55.60	9606	190	2.00
12/07/2018 16:00	55.90	8996	166	1.80
12/07/2018 17:00	53.70	8757	186	2.10
12/07/2018 18:00	55.90	8261	243	2.90
12/07/2018 19:00	60.00	7319	250	3.40
12/07/2018 20:00	63.90	6316	106	1.70
12/07/2018 21:00	65.40	6435	94	1.50
12/07/2018 22:00	66.50	5699	113	2.00
12/07/2018 23:00	68.00	4400	117	2.70
12/08/2018 0:00	67.40	2596	61	2.30
12/08/2018 1:00	68.00	1548	16	1.00
12/08/2018 2:00	68.10	1149	14	1.20
12/08/2018 3:00	68.40	641	18	2.80
12/08/2018 4:00	68.50	470	19	4.00
12/08/2018 5:00	67.90	758	21	2.80
12/08/2018 6:00	68.00	1666	44	2.60
12/08/2018 7:00	68.00	2770	69	2.50
12/08/2018 8:00	66.90	3950	84	2.10
12/08/2018 9:00	66.20	5441	129	2.40
12/08/2018 10:00	64.80	6307	152	2.40
12/08/2018 11:00	63.90	7211	205	2.80
12/08/2018 12:00	62.60	7958	192	2.40
12/08/2018 13:00	62.90	8096	189	2.30
12/08/2018 14:00	62.70	8317	210	2.50
12/08/2018 15:00	62.70	8520	189	2.20
12/08/2018 16:00	60.60	8504	194	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/08/2018 17:00	59.20	8125	247	3.00
12/08/2018 18:00	60.10	7565	179	2.40
12/08/2018 19:00	62.30	7119	151	2.10
12/08/2018 20:00	65.20	5792	143	2.50
12/08/2018 21:00	66.10	6086	112	1.80
12/08/2018 22:00	67.00	5929	101	1.70
12/08/2018 23:00	67.30	4482	122	2.70
12/09/2018 0:00	67.80	2597	43	1.70
12/09/2018 1:00	69.10	1500	26	1.70
12/09/2018 2:00	68.70	1248	26	2.10
12/09/2018 3:00	69.30	660	4	0.60
12/09/2018 4:00	68.80	469	16	3.40
12/09/2018 5:00	69.20	579	6	1.00
12/09/2018 6:00	69.10	1123	11	1.00
12/09/2018 7:00	68.80	1920	32	1.70
12/09/2018 8:00	67.70	2697	70	2.60
12/09/2018 9:00	65.40	4221	77	1.80
12/09/2018 10:00	65.30	5482	108	2.00
12/09/2018 11:00	64.80	5847	132	2.30
12/09/2018 12:00	63.80	7010	159	2.30
12/09/2018 13:00	64.30	7247	122	1.70
12/09/2018 14:00	63.80	7536	155	2.10
12/09/2018 15:00	63.40	7616	153	2.00
12/09/2018 16:00	62.90	7419	155	2.10
12/09/2018 17:00	60.50	7292	158	2.20
12/09/2018 18:00	61.20	6118	157	2.60
12/09/2018 19:00	63.60	5954	129	2.20
12/09/2018 20:00	63.90	5219	109	2.10
12/09/2018 21:00	67.10	3954	83	2.10
12/09/2018 22:00	67.50	3141	45	1.40
12/09/2018 23:00	67.80	2108	22	1.00
12/10/2018 0:00	68.20	1132	25	2.20
12/10/2018 1:00	68.60	597	9	1.50
12/10/2018 2:00	68.30	417	18	4.30
12/10/2018 3:00	69.10	282	13	4.60
12/10/2018 4:00	67.90	483	19	3.90
12/10/2018 5:00	68.40	1251	21	1.70
12/10/2018 6:00	66.80	2836	84	3.00
12/10/2018 7:00	67.40	5277	137	2.60
12/10/2018 8:00	66.10	5952	154	2.60
12/10/2018 9:00	65.20	5650	143	2.50
12/10/2018 10:00	65.40	5918	155	2.60
12/10/2018 11:00	64.80	6929	166	2.40
12/10/2018 12:00	64.30	7385	174	2.40
12/10/2018 13:00	63.70	8404	159	1.90
12/10/2018 14:00	59.50	10100	333	3.30
12/10/2018 15:00	44.00	10335	253	2.40
12/10/2018 16:00	34.90	9388	99	1.10
12/10/2018 17:00	39.30	7158	134	1.90
12/10/2018 18:00	54.40	8718	255	2.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/10/2018 19:00	64.40	6003	119	2.00
12/10/2018 20:00	66.30	5582	150	2.70
12/10/2018 21:00	68.20	4316	136	3.20
12/10/2018 22:00	68.30	3167	86	2.70
12/10/2018 23:00	68.00	2007	64	3.20
12/11/2018 0:00	69.10	1150	11	1.00
12/11/2018 1:00	68.30	646	12	1.90
12/11/2018 2:00	68.30	422	13	3.10
12/11/2018 3:00	68.40	256	15	5.90
12/11/2018 4:00	68.60	504	14	2.80
12/11/2018 5:00	68.40	1160	31	2.70
12/11/2018 6:00	66.40	2887	69	2.40
12/11/2018 7:00	67.40	5731	170	3.00
12/11/2018 8:00	64.80	6091	185	3.00
12/11/2018 9:00	65.70	5654	160	2.80
12/11/2018 10:00	66.20	6158	145	2.40
12/11/2018 11:00	64.70	6914	175	2.50
12/11/2018 12:00	63.70	7621	196	2.60
12/11/2018 13:00	62.00	8409	242	2.90
12/11/2018 14:00	60.70	10078	326	3.20
12/11/2018 15:00	44.10	9807	176	1.80
12/11/2018 16:00	49.10	9825	195	2.00
12/11/2018 17:00	37.20	8543	64	0.70
12/11/2018 18:00	29.30	7863	133	1.70
12/11/2018 19:00	60.60	7596	278	3.70
12/11/2018 20:00	65.50	6041	193	3.20
12/11/2018 21:00	67.10	5173	123	2.40
12/11/2018 22:00	67.80	3564	51	1.40
12/11/2018 23:00	69.00	2384	33	1.40
12/12/2018 0:00	68.50	1239	26	2.10
12/12/2018 1:00	68.30	669	12	1.80
12/12/2018 2:00	68.10	478	9	1.90
12/12/2018 3:00	68.20	323	19	5.90
12/12/2018 4:00	68.70	524	16	3.10
12/12/2018 5:00	68.40	1255	24	1.90
12/12/2018 6:00	68.00	2855	80	2.80
12/12/2018 7:00	68.20	5396	150	2.80
12/12/2018 8:00	66.50	5983	171	2.90
12/12/2018 9:00	65.70	5821	176	3.00
12/12/2018 10:00	65.40	6170	153	2.50
12/12/2018 11:00	64.10	7197	215	3.00
12/12/2018 12:00	63.10	8077	202	2.50
12/12/2018 13:00	61.70	8702	233	2.70
12/12/2018 14:00	58.20	9793	279	2.80
12/12/2018 15:00	45.90	9763	147	1.50
12/12/2018 16:00	50.70	9343	166	1.80
12/12/2018 17:00	40.80	8684	179	2.10
12/12/2018 18:00	49.90	8324	311	3.70
12/12/2018 19:00	62.80	6633	176	2.70
12/12/2018 20:00	66.60	5442	135	2.50

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/12/2018 21:00	68.60	4852	107	2.20
12/12/2018 22:00	68.50	3517	64	1.80
12/12/2018 23:00	68.30	2240	32	1.40
12/13/2018 0:00	68.70	1235	19	1.50
12/13/2018 1:00	68.10	766	9	1.20
12/13/2018 2:00	67.90	510	13	2.50
12/13/2018 3:00	68.40	330	13	3.90
12/13/2018 4:00	68.10	491	26	5.30
12/13/2018 5:00	68.70	1173	22	1.90
12/13/2018 6:00	68.00	2833	66	2.30
12/13/2018 7:00	67.10	5544	107	1.90
12/13/2018 8:00	65.10	5713	207	3.60
12/13/2018 9:00	63.70	5669	178	3.10
12/13/2018 10:00	62.00	6141	186	3.00
12/13/2018 11:00	61.60	7077	214	3.00
12/13/2018 12:00	60.70	8039	238	3.00
12/13/2018 13:00	60.30	8922	282	3.20
12/13/2018 14:00	56.80	10064	316	3.10
12/13/2018 15:00	40.40	9916	139	1.40
12/13/2018 16:00	28.30	8956	229	2.60
12/13/2018 17:00	34.50	9116	575	6.30
12/13/2018 18:00	47.90	8778	165	1.90
12/13/2018 19:00	60.70	7819	231	3.00
12/13/2018 20:00	64.10	6520	171	2.60
12/13/2018 21:00	66.00	5728	143	2.50
12/13/2018 22:00	67.40	4158	102	2.50
12/13/2018 23:00	67.80	3015	46	1.50
12/14/2018 0:00	68.90	1529	32	2.10
12/14/2018 1:00	68.80	931	20	2.10
12/14/2018 2:00	68.60	611	2	0.30
12/14/2018 3:00	68.40	415	10	2.40
12/14/2018 4:00	67.30	561	29	5.20
12/14/2018 5:00	66.40	1206	48	4.00
12/14/2018 6:00	65.80	2710	96	3.50
12/14/2018 7:00	67.10	5378	141	2.60
12/14/2018 8:00	65.40	5712	138	2.40
12/14/2018 9:00	63.50	5814	163	2.80
12/14/2018 10:00	63.40	6525	184	2.80
12/14/2018 11:00	61.60	7490	180	2.40
12/14/2018 12:00	62.60	8358	222	2.70
12/14/2018 13:00	61.20	9352	236	2.50
12/14/2018 14:00	56.60	10506	314	3.00
12/14/2018 15:00	40.00	10032	105	1.00
12/14/2018 16:00	47.10	9706	104	1.10
12/14/2018 17:00	48.30	8755	216	2.50
12/14/2018 18:00	57.70	7919	208	2.60
12/14/2018 19:00	62.20	7185	167	2.30
12/14/2018 20:00	64.40	6283	110	1.80
12/14/2018 21:00	66.30	6374	103	1.60
12/14/2018 22:00	66.70	5695	106	1.90

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/14/2018 23:00	67.80	4126	46	1.10
12/15/2018 0:00	69.00	2743	44	1.60
12/15/2018 1:00	68.10	1540	35	2.30
12/15/2018 2:00	68.40	1180	23	1.90
12/15/2018 3:00	68.30	624	12	1.90
12/15/2018 4:00	68.90	506	10	2.00
12/15/2018 5:00	68.20	777	17	2.20
12/15/2018 6:00	68.90	1596	36	2.30
12/15/2018 7:00	68.10	2543	58	2.30
12/15/2018 8:00	68.50	3927	71	1.80
12/15/2018 9:00	67.50	4999	123	2.50
12/15/2018 10:00	67.30	6360	126	2.00
12/15/2018 11:00	65.80	7237	183	2.50
12/15/2018 12:00	63.30	7986	168	2.10
12/15/2018 13:00	62.80	8199	237	2.90
12/15/2018 14:00	63.00	8700	212	2.40
12/15/2018 15:00	63.00	8582	180	2.10
12/15/2018 16:00	55.40	8166	134	1.60
12/15/2018 17:00	51.00	8012	295	3.70
12/15/2018 18:00	56.70	6991	224	3.20
12/15/2018 19:00	63.90	6327	107	1.70
12/15/2018 20:00	66.00	5660	120	2.10
12/15/2018 21:00	67.60	6079	96	1.60
12/15/2018 22:00	67.60	5895	105	1.80
12/15/2018 23:00	68.30	4122	91	2.20
12/16/2018 0:00	69.40	2590	31	1.20
12/16/2018 1:00	68.30	1580	34	2.20
12/16/2018 2:00	69.10	1224	14	1.10
12/16/2018 3:00	68.40	664	11	1.70
12/16/2018 4:00	68.80	419	9	2.10
12/16/2018 5:00	68.50	562	6	1.10
12/16/2018 6:00	68.30	1119	31	2.80
12/16/2018 7:00	68.20	1786	47	2.60
12/16/2018 8:00	68.10	2859	40	1.40
12/16/2018 9:00	66.30	4241	97	2.30
12/16/2018 10:00	66.30	5366	102	1.90
12/16/2018 11:00	65.20	6159	107	1.70
12/16/2018 12:00	64.00	7249	156	2.20
12/16/2018 13:00	63.90	7463	150	2.00
12/16/2018 14:00	63.60	7836	129	1.60
12/16/2018 15:00	63.30	7807	126	1.60
12/16/2018 16:00	62.50	7691	164	2.10
12/16/2018 17:00	60.00	7394	168	2.30
12/16/2018 18:00	61.10	6618	119	1.80
12/16/2018 19:00	63.20	6417	131	2.00
12/16/2018 20:00	63.40	5569	128	2.30
12/16/2018 21:00	67.20	4410	119	2.70
12/16/2018 22:00	67.20	3165	89	2.80
12/16/2018 23:00	67.60	2209	44	2.00
12/17/2018 0:00	68.90	1269	7	0.60



Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/17/2018 1:00	68.50	679	11	1.60
12/17/2018 2:00	68.80	402	7	1.70
12/17/2018 3:00	68.60	299	8	2.70
12/17/2018 4:00	69.20	461	7	1.50
12/17/2018 5:00	68.10	1204	29	2.40
12/17/2018 6:00	65.40	2676	62	2.30
12/17/2018 7:00	67.30	5178	149	2.90
12/17/2018 8:00	66.20	5527	171	3.10
12/17/2018 9:00	66.00	5580	146	2.60
12/17/2018 10:00	65.40	6082	180	3.00
12/17/2018 11:00	64.20	6827	144	2.10
12/17/2018 12:00	63.70	7874	234	3.00
12/17/2018 13:00	62.80	8842	255	2.90
12/17/2018 14:00	60.40	9871	229	2.30
12/17/2018 15:00	48.10	10282	197	1.90
12/17/2018 16:00	36.50	9566	72	0.80
12/17/2018 17:00	37.80	9297	227	2.40
12/17/2018 18:00	53.00	8311	247	3.00
12/17/2018 19:00	64.70	6477	151	2.30
12/17/2018 20:00	66.70	5413	104	1.90
12/17/2018 21:00	67.70	4765	95	2.00
12/17/2018 22:00	65.10	4201	68	1.60
12/17/2018 23:00	68.30	2373	21	0.90
12/18/2018 0:00	68.70	1271	16	1.30
12/18/2018 1:00	68.00	673	19	2.80
12/18/2018 2:00	67.50	496	16	3.20
12/18/2018 3:00	68.30	318	7	2.20
12/18/2018 4:00	68.40	480	14	2.90
12/18/2018 5:00	67.90	1269	34	2.70
12/18/2018 6:00	67.50	2798	99	3.50
12/18/2018 7:00	68.00	5350	169	3.20
12/18/2018 8:00	66.00	5691	146	2.60
12/18/2018 9:00	65.80	5756	153	2.70
12/18/2018 10:00	64.50	6116	166	2.70
12/18/2018 11:00	64.00	7168	179	2.50
12/18/2018 12:00	63.10	8019	216	2.70
12/18/2018 13:00	61.90	8708	231	2.70
12/18/2018 14:00	59.80	10081	248	2.50
12/18/2018 15:00	26.20	7908	61	0.80
12/18/2018 16:00	28.50	9026	25	0.30
12/18/2018 17:00	30.10	8755	52	0.60
12/18/2018 18:00	34.40	8861	165	1.90
12/18/2018 19:00	62.70	7295	143	2.00
12/18/2018 20:00	66.90	6095	119	2.00
12/18/2018 21:00	67.60	5201	132	2.50
12/18/2018 22:00	67.70	3795	95	2.50
12/18/2018 23:00	68.20	2243	27	1.20
12/19/2018 0:00	68.50	1411	33	2.30
12/19/2018 1:00	68.70	799	16	2.00
12/19/2018 2:00	68.60	566	9	1.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/19/2018 3:00	68.80	374	9	2.40
12/19/2018 4:00	68.70	515	19	3.70
12/19/2018 5:00	69.20	1187	25	2.10
12/19/2018 6:00	67.30	2760	60	2.20
12/19/2018 7:00	67.20	5057	100	2.00
12/19/2018 8:00	66.10	5664	150	2.60
12/19/2018 9:00	64.90	5570	169	3.00
12/19/2018 10:00	65.00	6146	178	2.90
12/19/2018 11:00	63.30	7330	241	3.30
12/19/2018 12:00	61.90	8112	210	2.60
12/19/2018 13:00	61.50	8982	247	2.70
12/19/2018 14:00	60.10	9906	237	2.40
12/19/2018 15:00	50.50	9834	105	1.10
12/19/2018 16:00	48.90	9799	141	1.40
12/19/2018 17:00	33.40	8694	20	0.20
12/19/2018 18:00	54.80	8217	239	2.90
12/19/2018 19:00	61.00	7585	141	1.90
12/19/2018 20:00	64.90	6444	127	2.00
12/19/2018 21:00	68.00	5705	113	2.00
12/19/2018 22:00	67.60	3966	104	2.60
12/19/2018 23:00	68.30	2695	27	1.00
12/20/2018 0:00	69.10	1565	18	1.20
12/20/2018 1:00	68.60	851	19	2.20
12/20/2018 2:00	68.60	571	14	2.50
12/20/2018 3:00	67.60	382	7	1.80
12/20/2018 4:00	69.00	515	18	3.50
12/20/2018 5:00	69.70	1197	36	3.00
12/20/2018 6:00	68.60	2719	82	3.00
12/20/2018 7:00	67.40	4857	145	3.00
12/20/2018 8:00	66.80	5416	172	3.20
12/20/2018 9:00	65.90	5479	149	2.70
12/20/2018 10:00	65.20	6230	216	3.50
12/20/2018 11:00	64.90	7327	200	2.70
12/20/2018 12:00	63.70	8152	211	2.60
12/20/2018 13:00	61.80	8790	257	2.90
12/20/2018 14:00	54.10	10202	311	3.00
12/20/2018 15:00	39.00	9551	94	1.00
12/20/2018 16:00	43.00	9474	57	0.60
12/20/2018 17:00	30.90	8574	27	0.30
12/20/2018 18:00	49.70	8358	180	2.20
12/20/2018 19:00	63.00	7468	171	2.30
12/20/2018 20:00	65.70	6361	104	1.60
12/20/2018 21:00	67.70	5586	88	1.60
12/20/2018 22:00	68.20	4071	44	1.10
12/20/2018 23:00	69.50	2751	48	1.70
12/21/2018 0:00	69.60	1542	25	1.60
12/21/2018 1:00	67.90	943	20	2.10
12/21/2018 2:00	67.80	685	17	2.50
12/21/2018 3:00	68.30	396	5	1.30
12/21/2018 4:00	68.40	559	29	5.20

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/21/2018 5:00	69.40	1139	28	2.50
12/21/2018 6:00	66.30	2665	84	3.20
12/21/2018 7:00	66.70	4580	106	2.30
12/21/2018 8:00	66.20	5333	166	3.10
12/21/2018 9:00	65.40	5674	179	3.20
12/21/2018 10:00	65.50	6859	209	3.00
12/21/2018 11:00	65.50	7865	223	2.80
12/21/2018 12:00	63.60	8919	194	2.20
12/21/2018 13:00	62.70	9634	234	2.40
12/21/2018 14:00	56.30	10355	300	2.90
12/21/2018 15:00	48.50	9710	99	1.00
12/21/2018 16:00	46.70	9535	114	1.20
12/21/2018 17:00	58.10	8724	255	2.90
12/21/2018 18:00	62.20	7814	243	3.10
12/21/2018 19:00	64.40	6789	136	2.00
12/21/2018 20:00	66.30	5961	114	1.90
12/21/2018 21:00	69.60	5737	120	2.10
12/21/2018 22:00	67.90	5431	93	1.70
12/21/2018 23:00	66.80	3592	39	1.10
12/22/2018 0:00	68.90	2343	45	1.90
12/22/2018 1:00	68.60	1445	32	2.20
12/22/2018 2:00	68.40	1044	21	2.00
12/22/2018 3:00	68.90	621	7	1.10
12/22/2018 4:00	68.40	547	17	3.10
12/22/2018 5:00	68.70	852	17	2.00
12/22/2018 6:00	68.10	1505	42	2.80
12/22/2018 7:00	68.80	2344	31	1.30
12/22/2018 8:00	68.10	3722	96	2.60
12/22/2018 9:00	68.00	4857	94	1.90
12/22/2018 10:00	66.90	5978	150	2.50
12/22/2018 11:00	65.60	6857	133	1.90
12/22/2018 12:00	64.80	7646	183	2.40
12/22/2018 13:00	65.50	7720	153	2.00
12/22/2018 14:00	64.70	8321	161	1.90
12/22/2018 15:00	63.60	8706	180	2.10
12/22/2018 16:00	63.40	8090	170	2.10
12/22/2018 17:00	61.00	7514	176	2.30
12/22/2018 18:00	62.80	6395	143	2.20
12/22/2018 19:00	63.60	5763	126	2.20
12/22/2018 20:00	64.40	5356	72	1.30
12/22/2018 21:00	68.60	5243	88	1.70
12/22/2018 22:00	70.00	4559	92	2.00
12/22/2018 23:00	69.60	3320	67	2.00
12/23/2018 0:00	67.50	2245	53	2.40
12/23/2018 1:00	67.90	1325	30	2.30
12/23/2018 2:00	68.80	1080	16	1.50
12/23/2018 3:00	68.20	571	10	1.80
12/23/2018 4:00	68.80	408	7	1.70
12/23/2018 5:00	68.10	647	13	2.00
12/23/2018 6:00	68.10	1072	28	2.60

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/23/2018 7:00	68.40	1701	32	1.90
12/23/2018 8:00	67.00	2596	55	2.10
12/23/2018 9:00	65.80	3958	75	1.90
12/23/2018 10:00	66.10	5081	93	1.80
12/23/2018 11:00	66.40	5915	107	1.80
12/23/2018 12:00	64.10	6480	119	1.80
12/23/2018 13:00	64.60	6691	86	1.30
12/23/2018 14:00	63.80	7254	126	1.70
12/23/2018 15:00	64.70	7321	127	1.70
12/23/2018 16:00	63.80	6986	130	1.90
12/23/2018 17:00	61.40	7023	153	2.20
12/23/2018 18:00	62.20	5973	139	2.30
12/23/2018 19:00	63.80	5635	110	2.00
12/23/2018 20:00	63.50	5036	69	1.40
12/23/2018 21:00	67.60	4524	55	1.20
12/23/2018 22:00	67.40	3516	70	2.00
12/23/2018 23:00	67.00	2452	58	2.40
12/24/2018 0:00	69.20	1518	18	1.20
12/24/2018 1:00	68.30	778	14	1.80
12/24/2018 2:00	68.50	501	6	1.20
12/24/2018 3:00	68.10	353	11	3.10
12/24/2018 4:00	68.10	376	4	1.10
12/24/2018 5:00	68.60	688	14	2.00
12/24/2018 6:00	67.90	1339	58	4.30
12/24/2018 7:00	69.00	2440	71	2.90
12/24/2018 8:00	68.50	3204	78	2.40
12/24/2018 9:00	68.90	4297	69	1.60
12/24/2018 10:00	67.20	5430	113	2.10
12/24/2018 11:00	67.90	6531	162	2.50
12/24/2018 12:00	67.40	7459	154	2.10
12/24/2018 13:00	67.10	7532	133	1.80
12/24/2018 14:00	67.20	7816	134	1.70
12/24/2018 15:00	68.20	7603	143	1.90
12/24/2018 16:00	68.40	6976	93	1.30
12/24/2018 17:00	66.00	6580	125	1.90
12/24/2018 18:00	66.00	5483	133	2.40
12/24/2018 19:00	67.40	4169	55	1.30
12/24/2018 20:00	67.20	3649	39	1.10
12/24/2018 21:00	68.00	3452	44	1.30
12/24/2018 22:00	68.30	2687	38	1.40
12/24/2018 23:00	67.60	2031	33	1.60
12/25/2018 0:00	66.60	1232	24	1.90
12/25/2018 1:00	68.00	637	8	1.30
12/25/2018 2:00	68.20	421	11	2.60
12/25/2018 3:00	68.50	249	1	0.40
12/25/2018 4:00	68.90	225	1	0.40
12/25/2018 5:00	69.10	364	10	2.70
12/25/2018 6:00	69.30	755	15	2.00
12/25/2018 7:00	70.50	1189	17	1.40
12/25/2018 8:00	69.00	1721	39	2.30

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/25/2018 9:00	62.30	2366	44	1.90
12/25/2018 10:00	64.50	2908	68	2.30
12/25/2018 11:00	66.70	3179	62	2.00
12/25/2018 12:00	65.70	3791	61	1.60
12/25/2018 13:00	66.90	4057	68	1.70
12/25/2018 14:00	66.50	4065	85	2.10
12/25/2018 15:00	67.70	4175	82	2.00
12/25/2018 16:00	68.20	3730	59	1.60
12/25/2018 17:00	65.70	3710	49	1.30
12/25/2018 18:00	65.50	3455	56	1.60
12/25/2018 19:00	65.60	3418	73	2.10
12/25/2018 20:00	66.40	3158	57	1.80
12/25/2018 21:00	69.80	2859	41	1.40
12/25/2018 22:00	68.90	2124	23	1.10
12/25/2018 23:00	68.60	1463	30	2.10
12/26/2018 0:00	69.30	827	5	0.60
12/26/2018 1:00	68.60	463	7	1.50
12/26/2018 2:00	68.40	281	3	1.10
12/26/2018 3:00	68.80	250	5	2.00
12/26/2018 4:00	68.90	403	9	2.20
12/26/2018 5:00	68.90	961	31	3.20
12/26/2018 6:00	68.60	1875	68	3.60
12/26/2018 7:00	68.30	2957	70	2.40
12/26/2018 8:00	68.30	3820	85	2.20
12/26/2018 9:00	67.10	4236	129	3.00
12/26/2018 10:00	66.40	5216	147	2.80
12/26/2018 11:00	66.20	5925	157	2.60
12/26/2018 12:00	65.30	6574	114	1.70
12/26/2018 13:00	65.50	7295	211	2.90
12/26/2018 14:00	64.50	8701	245	2.80
12/26/2018 15:00	63.50	9291	184	2.00
12/26/2018 16:00	62.90	9078	200	2.20
12/26/2018 17:00	61.20	8438	222	2.60
12/26/2018 18:00	64.10	6561	149	2.30
12/26/2018 19:00	65.20	5560	88	1.60
12/26/2018 20:00	67.30	4799	111	2.30
12/26/2018 21:00	69.30	4473	44	1.00
12/26/2018 22:00	68.50	3306	91	2.80
12/26/2018 23:00	68.40	2237	104	4.60
12/27/2018 0:00	70.20	1317	19	1.40
12/27/2018 1:00	68.70	719	31	4.30
12/27/2018 2:00	70.10	496	24	4.80
12/27/2018 3:00	70.60	345	16	4.60
12/27/2018 4:00	69.20	438	21	4.80
12/27/2018 5:00	69.50	1033	20	1.90
12/27/2018 6:00	67.30	2035	61	3.00
12/27/2018 7:00	68.50	3391	60	1.80
12/27/2018 8:00	66.80	4274	109	2.60
12/27/2018 9:00	65.60	4637	122	2.60
12/27/2018 10:00	66.00	5380	151	2.80

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/27/2018 11:00	67.00	5972	116	1.90
12/27/2018 12:00	65.80	7006	179	2.60
12/27/2018 13:00	64.20	7938	169	2.10
12/27/2018 14:00	63.10	9322	193	2.10
12/27/2018 15:00	62.80	9759	191	2.00
12/27/2018 16:00	59.40	9726	242	2.50
12/27/2018 17:00	57.30	8592	228	2.70
12/27/2018 18:00	62.50	7366	206	2.80
12/27/2018 19:00	64.80	6139	88	1.40
12/27/2018 20:00	68.40	4960	107	2.20
12/27/2018 21:00	69.30	5102	130	2.50
12/27/2018 22:00	70.20	3708	40	1.10
12/27/2018 23:00	69.80	2296	63	2.70
12/28/2018 0:00	68.30	1351	30	2.20
12/28/2018 1:00	68.40	763	12	1.60
12/28/2018 2:00	68.90	567	6	1.10
12/28/2018 3:00	69.10	347	5	1.40
12/28/2018 4:00	68.90	417	21	5.00
12/28/2018 5:00	69.10	1015	27	2.70
12/28/2018 6:00	68.40	2103	63	3.00
12/28/2018 7:00	69.40	3323	88	2.60
12/28/2018 8:00	67.20	4406	114	2.60
12/28/2018 9:00	68.10	4811	118	2.50
12/28/2018 10:00	66.60	5837	157	2.70
12/28/2018 11:00	66.20	6697	144	2.20
12/28/2018 12:00	64.60	7822	198	2.50
12/28/2018 13:00	64.60	8552	250	2.90
12/28/2018 14:00	63.10	9521	314	3.30
12/28/2018 15:00	62.40	9728	241	2.50
12/28/2018 16:00	56.70	9594	303	3.20
12/28/2018 17:00	60.40	8926	223	2.50
12/28/2018 18:00	63.00	7401	205	2.80
12/28/2018 19:00	65.90	6325	146	2.30
12/28/2018 20:00	68.10	5239	77	1.50
12/28/2018 21:00	70.00	5060	119	2.40
12/28/2018 22:00	70.20	3999	53	1.30
12/28/2018 23:00	69.60	3034	54	1.80
12/29/2018 0:00	69.10	2016	24	1.20
12/29/2018 1:00	68.30	1331	28	2.10
12/29/2018 2:00	68.80	913	13	1.40
12/29/2018 3:00	69.00	495	4	0.80
12/29/2018 4:00	68.80	447	11	2.50
12/29/2018 5:00	68.50	714	16	2.20
12/29/2018 6:00	67.80	1330	52	3.90
12/29/2018 7:00	68.10	2072	61	2.90
12/29/2018 8:00	68.10	3070	82	2.70
12/29/2018 9:00	67.80	4227	87	2.10
12/29/2018 10:00	66.20	4988	130	2.60
12/29/2018 11:00	66.00	5893	155	2.60
12/29/2018 12:00	65.60	6692	139	2.10

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549  
 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/29/2018 13:00	65.40	7014	104	1.50
12/29/2018 14:00	64.60	7406	121	1.60
12/29/2018 15:00	65.20	7621	119	1.60
12/29/2018 16:00	62.50	8261	210	2.50
12/29/2018 17:00	61.80	7557	166	2.20
12/29/2018 18:00	63.60	6312	116	1.80
12/29/2018 19:00	66.10	5644	125	2.20
12/29/2018 20:00	66.40	4817	64	1.30
12/29/2018 21:00	69.70	4989	108	2.20
12/29/2018 22:00	70.00	4155	72	1.70
12/29/2018 23:00	68.80	3003	79	2.60
12/30/2018 0:00	69.10	1949	38	1.90
12/30/2018 1:00	68.40	1205	33	2.70
12/30/2018 2:00	69.10	985	11	1.10
12/30/2018 3:00	68.60	584	11	1.90
12/30/2018 4:00	69.50	497	9	1.80
12/30/2018 5:00	68.90	638	11	1.70
12/30/2018 6:00	68.10	1024	33	3.20
12/30/2018 7:00	68.50	1547	36	2.30
12/30/2018 8:00	67.90	2440	61	2.50
12/30/2018 9:00	66.80	3573	63	1.80
12/30/2018 10:00	66.50	4428	91	2.10
12/30/2018 11:00	64.90	5318	117	2.20
12/30/2018 12:00	65.00	6071	125	2.10
12/30/2018 13:00	65.00	6471	136	2.10
12/30/2018 14:00	65.20	6624	159	2.40
12/30/2018 15:00	65.20	6849	127	1.90
12/30/2018 16:00	64.70	6915	129	1.90
12/30/2018 17:00	61.50	6924	138	2.00
12/30/2018 18:00	62.00	6191	118	1.90
12/30/2018 19:00	63.10	5510	138	2.50
12/30/2018 20:00	64.70	4493	109	2.40
12/30/2018 21:00	68.60	4021	89	2.20
12/30/2018 22:00	69.50	3090	64	2.10
12/30/2018 23:00	69.00	2297	43	1.90
12/31/2018 0:00	69.40	1429	12	0.80
12/31/2018 1:00	68.80	776	6	0.80
12/31/2018 2:00	69.20	497	6	1.20
12/31/2018 3:00	68.30	386	9	2.30
12/31/2018 4:00	69.20	570	12	2.10
12/31/2018 5:00	68.30	767	14	1.80
12/31/2018 6:00	68.60	1628	36	2.20
12/31/2018 7:00	69.10	2763	106	3.80
12/31/2018 8:00	68.90	3340	63	1.90
12/31/2018 9:00	66.70	4021	87	2.20
12/31/2018 10:00	66.90	5204	105	2.00
12/31/2018 11:00	66.00	6202	137	2.20
12/31/2018 12:00	62.60	7330	146	2.00
12/31/2018 13:00	58.00	7819	225	2.90
12/31/2018 14:00	61.10	8638	208	2.40

Table A-2-3. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1111549 Located on Eastbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/31/2018 15:00	60.20	8454	289	3.40
12/31/2018 16:00	64.60	7194	147	2.00
12/31/2018 17:00	53.90	6565	168	2.60
12/31/2018 18:00	53.40	5437	159	2.90
12/31/2018 19:00	60.10	4486	105	2.30
12/31/2018 20:00	62.10	3696	75	2.00
12/31/2018 21:00	67.90	3136	47	1.50
12/31/2018 22:00	68.90	2755	22	0.80
12/31/2018 23:00	69.80	2081	17	0.80

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnode=VDS&content=loops&tab=det\\_timeseries&station\\_id=1111549&s\\_time\\_id=1538352000&s\\_time\\_id\\_f=10%2F01%2F2018+00%3A00&e\\_time\\_id=1546300740&e\\_time\\_id\\_f=12%2F31%2F2018+23%3A59&tod=all&tod\\_from=0&tod\\_to=0&dow\\_0=on&dow\\_1=on&dow\\_2=on&dow\\_3=on&dow\\_4=on&dow\\_5=on&dow\\_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on](http://pems.dot.ca.gov/?report_form=1&dnode=VDS&content=loops&tab=det_timeseries&station_id=1111549&s_time_id=1538352000&s_time_id_f=10%2F01%2F2018+00%3A00&e_time_id=1546300740&e_time_id_f=12%2F31%2F2018+23%3A59&tod=all&tod_from=0&tod_to=0&dow_0=on&dow_1=on&dow_2=on&dow_3=on&dow_4=on&dow_5=on&dow_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on)  
 Accessed: January 2019.

Abbreviations:

- % - percent
- mph - miles per hour
- SDSU - San Diego State University
- Veh - vehicle



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/01/2018 0:00	69.50	1296	2	0.20
1/01/2018 1:00	69.90	1358	0	0.00
1/01/2018 2:00	69.80	1030	0	0.00
1/01/2018 3:00	69.70	723	0	0.00
1/01/2018 4:00	69.60	584	1	0.20
1/01/2018 5:00	69.90	826	0	0.00
1/01/2018 6:00	69.30	1324	3	0.20
1/01/2018 7:00	69.60	1450	1	0.10
1/01/2018 8:00	69.20	2000	3	0.20
1/01/2018 9:00	69.20	2999	16	0.50
1/01/2018 10:00	68.50	3743	29	0.80
1/01/2018 11:00	68.40	4654	37	0.80
1/01/2018 12:00	67.90	4804	41	0.90
1/01/2018 13:00	67.90	4968	56	1.10
1/01/2018 14:00	68.00	4927	58	1.20
1/01/2018 15:00	68.10	4442	44	1.00
1/01/2018 16:00	69.30	4229	22	0.50
1/01/2018 17:00	67.30	3657	36	1.00
1/01/2018 18:00	68.00	3286	22	0.70
1/01/2018 19:00	68.70	2686	25	0.90
1/01/2018 20:00	69.10	2060	7	0.30
1/01/2018 21:00	69.80	1680	6	0.40
1/01/2018 22:00	70.00	1336	3	0.20
1/01/2018 23:00	69.80	832	1	0.10
1/02/2018 0:00	69.60	502	2	0.40
1/02/2018 1:00	69.70	308	1	0.30
1/02/2018 2:00	69.20	281	1	0.40
1/02/2018 3:00	69.10	420	5	1.20
1/02/2018 4:00	69.70	1075	7	0.70
1/02/2018 5:00	70.60	3696	26	0.70
1/02/2018 6:00	65.30	7501	146	1.90
1/02/2018 7:00	65.90	7150	137	1.90
1/02/2018 8:00	67.40	6513	142	2.20
1/02/2018 9:00	66.40	6301	114	1.80
1/02/2018 10:00	66.60	6089	101	1.70
1/02/2018 11:00	66.30	6124	121	2.00
1/02/2018 12:00	66.10	6026	124	2.10
1/02/2018 13:00	66.20	6172	98	1.60
1/02/2018 14:00	67.50	5852	110	1.90
1/02/2018 15:00	68.20	5808	77	1.30
1/02/2018 16:00	68.30	5831	82	1.40
1/02/2018 17:00	66.20	5710	96	1.70
1/02/2018 18:00	66.70	4298	60	1.40
1/02/2018 19:00	68.60	3182	41	1.30
1/02/2018 20:00	69.90	2439	21	0.90
1/02/2018 21:00	70.20	1827	10	0.50
1/02/2018 22:00	69.60	1362	7	0.50
1/02/2018 23:00	70.10	882	3	0.30
1/03/2018 0:00	69.60	510	2	0.40
1/03/2018 1:00	69.50	319	2	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/03/2018 2:00	69.60	302	3	1.00
1/03/2018 3:00	69.50	373	2	0.50
1/03/2018 4:00	69.00	1133	9	0.80
1/03/2018 5:00	69.60	4314	27	0.60
1/03/2018 6:00	59.80	9178	302	3.30
1/03/2018 7:00	21.70	8725	494	5.70
1/03/2018 8:00	21.60	7508	222	3.00
1/03/2018 9:00	66.40	6851	133	1.90
1/03/2018 10:00	67.30	5962	103	1.70
1/03/2018 11:00	67.60	5982	118	2.00
1/03/2018 12:00	67.50	5982	102	1.70
1/03/2018 13:00	67.10	5924	99	1.70
1/03/2018 14:00	67.90	5945	119	2.00
1/03/2018 15:00	68.50	5816	70	1.20
1/03/2018 16:00	66.70	5939	86	1.40
1/03/2018 17:00	66.90	5737	98	1.70
1/03/2018 18:00	67.80	4565	77	1.70
1/03/2018 19:00	69.50	3150	35	1.10
1/03/2018 20:00	69.60	2510	24	1.00
1/03/2018 21:00	69.40	2005	13	0.60
1/03/2018 22:00	69.60	1453	14	1.00
1/03/2018 23:00	69.60	858	2	0.20
1/04/2018 0:00	70.00	495	3	0.60
1/04/2018 1:00	69.50	309	2	0.60
1/04/2018 2:00	69.10	314	4	1.30
1/04/2018 3:00	69.30	413	3	0.70
1/04/2018 4:00	69.00	1119	11	1.00
1/04/2018 5:00	68.90	4177	35	0.80
1/04/2018 6:00	62.20	8998	188	2.10
1/04/2018 7:00	34.00	9211	994	10.80
1/04/2018 8:00	27.40	7352	230	3.10
1/04/2018 9:00	66.50	6950	109	1.60
1/04/2018 10:00	66.50	6472	112	1.70
1/04/2018 11:00	66.60	6103	108	1.80
1/04/2018 12:00	66.90	6196	103	1.70
1/04/2018 13:00	66.70	6050	96	1.60
1/04/2018 14:00	66.60	6018	111	1.80
1/04/2018 15:00	67.60	5067	89	1.80
1/04/2018 16:00	67.20	5881	70	1.20
1/04/2018 17:00	65.80	5949	101	1.70
1/04/2018 18:00	65.90	5007	79	1.60
1/04/2018 19:00	68.30	3411	47	1.40
1/04/2018 20:00	68.70	2518	30	1.20
1/04/2018 21:00	70.00	2042	15	0.70
1/04/2018 22:00	69.70	1520	7	0.50
1/04/2018 23:00	69.60	944	0	0.00
1/05/2018 0:00	69.60	561	1	0.20
1/05/2018 1:00	69.20	343	1	0.30
1/05/2018 2:00	69.00	317	2	0.60
1/05/2018 3:00	69.30	447	6	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/05/2018 4:00	68.60	1143	6	0.50
1/05/2018 5:00	69.80	4074	28	0.70
1/05/2018 6:00	64.10	8798	215	2.40
1/05/2018 7:00	62.20	9226	214	2.30
1/05/2018 8:00	65.60	7544	161	2.10
1/05/2018 9:00	66.10	7342	155	2.10
1/05/2018 10:00	67.20	6433	132	2.10
1/05/2018 11:00	67.50	6579	124	1.90
1/05/2018 12:00	67.30	6472	144	2.20
1/05/2018 13:00	67.30	6495	147	2.30
1/05/2018 14:00	68.00	6379	134	2.10
1/05/2018 15:00	68.70	5978	85	1.40
1/05/2018 16:00	68.30	6273	88	1.40
1/05/2018 17:00	66.70	6326	109	1.70
1/05/2018 18:00	67.50	5329	79	1.50
1/05/2018 19:00	69.20	3906	55	1.40
1/05/2018 20:00	69.50	2966	32	1.10
1/05/2018 21:00	69.20	2510	31	1.20
1/05/2018 22:00	69.80	2007	7	0.30
1/05/2018 23:00	68.00	1267	16	1.30
1/06/2018 0:00	69.50	837	2	0.20
1/06/2018 1:00	69.50	591	0	0.00
1/06/2018 2:00	69.30	457	5	1.10
1/06/2018 3:00	69.70	390	0	0.00
1/06/2018 4:00	69.20	582	3	0.50
1/06/2018 5:00	69.10	1307	12	0.90
1/06/2018 6:00	68.80	2525	19	0.80
1/06/2018 7:00	69.50	3522	33	0.90
1/06/2018 8:00	68.80	5014	54	1.10
1/06/2018 9:00	68.00	5928	72	1.20
1/06/2018 10:00	67.30	6188	71	1.10
1/06/2018 11:00	67.60	6428	92	1.40
1/06/2018 12:00	67.10	6533	106	1.60
1/06/2018 13:00	67.40	6484	88	1.40
1/06/2018 14:00	68.20	5847	93	1.60
1/06/2018 15:00	67.40	5763	76	1.30
1/06/2018 16:00	67.70	5637	67	1.20
1/06/2018 17:00	67.30	5641	88	1.60
1/06/2018 18:00	67.10	4861	58	1.20
1/06/2018 19:00	69.00	3419	33	1.00
1/06/2018 20:00	70.30	2769	18	0.70
1/06/2018 21:00	69.70	2501	29	1.20
1/06/2018 22:00	69.50	2004	21	1.00
1/06/2018 23:00	69.30	1362	6	0.40
1/07/2018 0:00	69.80	870	3	0.30
1/07/2018 1:00	69.40	612	2	0.30
1/07/2018 2:00	69.60	453	0	0.00
1/07/2018 3:00	69.80	338	0	0.00
1/07/2018 4:00	69.70	520	0	0.00
1/07/2018 5:00	69.60	969	2	0.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/07/2018 6:00	69.80	1821	3	0.20
1/07/2018 7:00	69.40	2306	20	0.90
1/07/2018 8:00	69.70	3397	19	0.60
1/07/2018 9:00	68.00	4902	50	1.00
1/07/2018 10:00	67.80	5544	56	1.00
1/07/2018 11:00	67.30	6078	65	1.10
1/07/2018 12:00	67.00	6188	63	1.00
1/07/2018 13:00	67.10	5982	82	1.40
1/07/2018 14:00	67.50	5443	52	1.00
1/07/2018 15:00	68.40	5148	44	0.90
1/07/2018 16:00	68.80	4866	60	1.20
1/07/2018 17:00	68.40	4484	55	1.20
1/07/2018 18:00	68.40	3632	35	1.00
1/07/2018 19:00	68.80	2857	15	0.50
1/07/2018 20:00	68.30	2315	8	0.30
1/07/2018 21:00	70.00	1756	7	0.40
1/07/2018 22:00	70.20	1279	1	0.10
1/07/2018 23:00	69.40	812	7	0.90
1/08/2018 0:00	69.50	518	1	0.20
1/08/2018 1:00	69.80	328	0	0.00
1/08/2018 2:00	68.80	300	5	1.70
1/08/2018 3:00	68.60	428	9	2.10
1/08/2018 4:00	69.60	1184	2	0.20
1/08/2018 5:00	67.80	4529	28	0.60
1/08/2018 6:00	47.00	9108	721	7.90
1/08/2018 7:00	25.70	9005	411	4.60
1/08/2018 8:00	41.40	7785	142	1.80
1/08/2018 9:00	65.00	6539	114	1.70
1/08/2018 10:00	65.00	5603	99	1.80
1/08/2018 11:00	65.90	5645	105	1.90
1/08/2018 12:00	65.40	5618	116	2.10
1/08/2018 13:00	64.90	5592	113	2.00
1/08/2018 14:00	64.50	5769	103	1.80
1/08/2018 15:00	64.90	5925	103	1.70
1/08/2018 16:00	63.60	5512	100	1.80
1/08/2018 17:00	58.80	5028	123	2.40
1/08/2018 18:00	62.20	3695	76	2.10
1/08/2018 19:00	65.70	2608	25	1.00
1/08/2018 20:00	68.20	2103	31	1.50
1/08/2018 21:00	68.90	1828	4	0.20
1/08/2018 22:00	69.00	1176	6	0.50
1/08/2018 23:00	68.80	764	7	0.90
1/09/2018 0:00	68.50	478	3	0.60
1/09/2018 1:00	68.50	290	2	0.70
1/09/2018 2:00	69.00	278	1	0.40
1/09/2018 3:00	69.00	432	2	0.50
1/09/2018 4:00	66.80	1249	3	0.20
1/09/2018 5:00	57.80	3373	21	0.60
1/09/2018 6:00	47.50	6817	265	3.90
1/09/2018 7:00	26.20	7842	157	2.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/09/2018 8:00	44.60	7256	167	2.30
1/09/2018 9:00	53.10	6404	132	2.10
1/09/2018 10:00	61.80	5115	94	1.80
1/09/2018 11:00	64.80	5028	64	1.30
1/09/2018 12:00	66.80	4845	99	2.00
1/09/2018 13:00	65.80	5152	89	1.70
1/09/2018 14:00	63.30	5181	97	1.90
1/09/2018 15:00	61.10	5305	92	1.70
1/09/2018 16:00	57.60	5296	92	1.70
1/09/2018 17:00	50.00	4715	87	1.80
1/09/2018 18:00	56.30	3745	53	1.40
1/09/2018 19:00	62.70	2532	32	1.30
1/09/2018 20:00	62.90	2114	16	0.80
1/09/2018 21:00	64.00	1790	9	0.50
1/09/2018 22:00	64.20	1943	20	1.00
1/09/2018 23:00	68.70	733	4	0.50
1/10/2018 0:00	69.40	456	1	0.20
1/10/2018 1:00	68.80	284	3	1.10
1/10/2018 2:00	69.30	263	1	0.40
1/10/2018 3:00	68.70	426	5	1.20
1/10/2018 4:00	68.80	1140	10	0.90
1/10/2018 5:00	64.40	4413	49	1.10
1/10/2018 6:00	53.20	8306	302	3.60
1/10/2018 7:00	26.90	8542	278	3.30
1/10/2018 8:00	25.90	8695	646	7.40
1/10/2018 9:00	63.20	6979	132	1.90
1/10/2018 10:00	64.30	5887	113	1.90
1/10/2018 11:00	65.70	5811	119	2.00
1/10/2018 12:00	67.50	5827	90	1.50
1/10/2018 13:00	67.20	5652	118	2.10
1/10/2018 14:00	67.80	5739	112	2.00
1/10/2018 15:00	68.10	5821	82	1.40
1/10/2018 16:00	67.10	6157	102	1.70
1/10/2018 17:00	65.90	6255	110	1.80
1/10/2018 18:00	66.00	4872	81	1.70
1/10/2018 19:00	68.70	3398	37	1.10
1/10/2018 20:00	68.30	2634	26	1.00
1/10/2018 21:00	69.70	2051	12	0.60
1/10/2018 22:00	69.30	1425	10	0.70
1/10/2018 23:00	69.30	818	6	0.70
1/11/2018 0:00	69.40	540	3	0.60
1/11/2018 1:00	69.10	344	3	0.90
1/11/2018 2:00	69.70	330	0	0.00
1/11/2018 3:00	69.10	435	1	0.20
1/11/2018 4:00	69.00	1201	25	2.10
1/11/2018 5:00	68.40	4492	37	0.80
1/11/2018 6:00	49.90	8938	605	6.80
1/11/2018 7:00	20.90	8733	551	6.30
1/11/2018 8:00	21.00	8246	569	6.90
1/11/2018 9:00	57.00	7126	135	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/11/2018 10:00	66.60	6181	127	2.10
1/11/2018 11:00	67.30	6064	122	2.00
1/11/2018 12:00	67.60	5921	114	1.90
1/11/2018 13:00	67.50	5968	120	2.00
1/11/2018 14:00	67.70	5979	92	1.50
1/11/2018 15:00	68.10	6184	100	1.60
1/11/2018 16:00	67.60	6155	101	1.60
1/11/2018 17:00	66.20	6114	140	2.30
1/11/2018 18:00	66.20	4884	88	1.80
1/11/2018 19:00	67.80	3606	53	1.50
1/11/2018 20:00	69.90	2753	32	1.20
1/11/2018 21:00	69.10	2147	12	0.60
1/11/2018 22:00	69.80	1627	11	0.70
1/11/2018 23:00	69.60	995	2	0.20
1/12/2018 0:00	69.50	561	5	0.90
1/12/2018 1:00	69.30	389	2	0.50
1/12/2018 2:00	69.10	330	5	1.50
1/12/2018 3:00	69.10	443	2	0.50
1/12/2018 4:00	69.40	1185	11	0.90
1/12/2018 5:00	69.00	4289	27	0.60
1/12/2018 6:00	62.50	9211	237	2.60
1/12/2018 7:00	43.90	9428	375	4.00
1/12/2018 8:00	40.90	7955	231	2.90
1/12/2018 9:00	65.30	7182	131	1.80
1/12/2018 10:00	66.80	6455	128	2.00
1/12/2018 11:00	66.40	6416	148	2.30
1/12/2018 12:00	67.20	6306	119	1.90
1/12/2018 13:00	66.70	6278	113	1.80
1/12/2018 14:00	67.90	6268	133	2.10
1/12/2018 15:00	67.70	6369	118	1.90
1/12/2018 16:00	67.80	6387	81	1.30
1/12/2018 17:00	66.70	6448	133	2.10
1/12/2018 18:00	65.80	5441	90	1.70
1/12/2018 19:00	69.00	4023	53	1.30
1/12/2018 20:00	69.50	3146	26	0.80
1/12/2018 21:00	69.80	2608	35	1.30
1/12/2018 22:00	69.90	2095	11	0.50
1/12/2018 23:00	69.60	1372	5	0.40
1/13/2018 0:00	69.90	869	3	0.30
1/13/2018 1:00	69.50	620	4	0.60
1/13/2018 2:00	69.40	515	0	0.00
1/13/2018 3:00	69.30	487	5	1.00
1/13/2018 4:00	69.40	608	4	0.70
1/13/2018 5:00	69.40	1280	4	0.30
1/13/2018 6:00	69.40	2467	20	0.80
1/13/2018 7:00	68.40	3633	39	1.10
1/13/2018 8:00	68.30	5122	76	1.50
1/13/2018 9:00	68.00	6384	81	1.30
1/13/2018 10:00	67.80	6674	103	1.50
1/13/2018 11:00	64.60	6830	160	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/13/2018 12:00	67.20	7040	104	1.50
1/13/2018 13:00	67.20	6828	99	1.40
1/13/2018 14:00	68.00	6068	85	1.40
1/13/2018 15:00	68.30	5964	91	1.50
1/13/2018 16:00	67.80	5999	69	1.20
1/13/2018 17:00	66.10	5742	84	1.50
1/13/2018 18:00	66.20	5280	74	1.40
1/13/2018 19:00	68.60	3640	44	1.20
1/13/2018 20:00	69.30	3003	26	0.90
1/13/2018 21:00	69.20	2649	23	0.90
1/13/2018 22:00	69.80	2128	12	0.60
1/13/2018 23:00	69.90	1439	3	0.20
1/14/2018 0:00	69.80	935	1	0.10
1/14/2018 1:00	69.90	695	2	0.30
1/14/2018 2:00	69.80	520	1	0.20
1/14/2018 3:00	69.80	359	0	0.00
1/14/2018 4:00	69.70	555	0	0.00
1/14/2018 5:00	69.30	978	1	0.10
1/14/2018 6:00	69.60	1756	4	0.20
1/14/2018 7:00	69.60	2332	11	0.50
1/14/2018 8:00	69.60	3536	16	0.50
1/14/2018 9:00	68.80	5031	41	0.80
1/14/2018 10:00	67.60	6118	76	1.20
1/14/2018 11:00	67.30	6420	70	1.10
1/14/2018 12:00	66.70	6423	74	1.20
1/14/2018 13:00	66.90	6277	93	1.50
1/14/2018 14:00	67.40	5670	55	1.00
1/14/2018 15:00	67.70	5464	59	1.10
1/14/2018 16:00	67.50	5057	59	1.20
1/14/2018 17:00	67.30	4892	59	1.20
1/14/2018 18:00	67.80	4098	50	1.20
1/14/2018 19:00	69.00	3024	24	0.80
1/14/2018 20:00	69.50	2430	19	0.80
1/14/2018 21:00	69.20	1935	7	0.40
1/14/2018 22:00	69.70	1497	4	0.30
1/14/2018 23:00	69.50	889	1	0.10
1/15/2018 0:00	69.20	593	2	0.30
1/15/2018 1:00	69.40	386	2	0.50
1/15/2018 2:00	69.60	336	0	0.00
1/15/2018 3:00	68.90	414	3	0.70
1/15/2018 4:00	68.60	944	6	0.60
1/15/2018 5:00	67.80	3007	15	0.50
1/15/2018 6:00	64.90	5871	73	1.20
1/15/2018 7:00	64.80	5945	114	1.90
1/15/2018 8:00	65.50	5942	94	1.60
1/15/2018 9:00	64.90	6587	107	1.60
1/15/2018 10:00	65.40	6671	118	1.80
1/15/2018 11:00	65.20	6935	141	2.00
1/15/2018 12:00	64.80	6577	133	2.00
1/15/2018 13:00	65.40	6462	101	1.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/15/2018 14:00	64.90	6117	102	1.70
1/15/2018 15:00	66.10	6039	72	1.20
1/15/2018 16:00	65.60	5809	73	1.30
1/15/2018 17:00	66.00	5519	90	1.60
1/15/2018 18:00	66.70	4434	66	1.50
1/15/2018 19:00	67.50	3164	30	0.90
1/15/2018 20:00	69.10	2481	25	1.00
1/15/2018 21:00	69.00	1949	17	0.90
1/15/2018 22:00	69.40	1448	4	0.30
1/15/2018 23:00	69.20	942	2	0.20
1/16/2018 0:00	69.50	504	4	0.80
1/16/2018 1:00	69.20	291	1	0.30
1/16/2018 2:00	69.20	296	4	1.40
1/16/2018 3:00	69.00	420	5	1.20
1/16/2018 4:00	69.20	1206	8	0.70
1/16/2018 5:00	68.80	4626	32	0.70
1/16/2018 6:00	31.60	8408	238	2.80
1/16/2018 7:00	21.40	9041	797	8.80
1/16/2018 8:00	18.50	8301	676	8.10
1/16/2018 9:00	55.40	7204	164	2.30
1/16/2018 10:00	65.70	6314	122	1.90
1/16/2018 11:00	65.60	6258	142	2.30
1/16/2018 12:00	65.60	6198	130	2.10
1/16/2018 13:00	66.20	6281	146	2.30
1/16/2018 14:00	67.00	6211	115	1.90
1/16/2018 15:00	67.10	6427	122	1.90
1/16/2018 16:00	67.10	6242	96	1.50
1/16/2018 17:00	64.90	6419	166	2.60
1/16/2018 18:00	65.80	4878	99	2.00
1/16/2018 19:00	68.00	3472	49	1.40
1/16/2018 20:00	69.30	2739	28	1.00
1/16/2018 21:00	69.10	2133	21	1.00
1/16/2018 22:00	70.20	1562	5	0.30
1/16/2018 23:00	69.90	851	4	0.50
1/17/2018 0:00	69.60	539	5	0.90
1/17/2018 1:00	69.40	393	1	0.30
1/17/2018 2:00	69.10	291	6	2.10
1/17/2018 3:00	69.10	465	1	0.20
1/17/2018 4:00	69.20	1251	6	0.50
1/17/2018 5:00	69.30	4656	48	1.00
1/17/2018 6:00	46.80	9206	361	3.90
1/17/2018 7:00	22.20	8789	298	3.40
1/17/2018 8:00	20.50	8442	471	5.60
1/17/2018 9:00	55.20	7191	118	1.60
1/17/2018 10:00	66.80	6372	124	1.90
1/17/2018 11:00	66.20	6345	139	2.20
1/17/2018 12:00	66.20	6375	147	2.30
1/17/2018 13:00	66.40	5960	116	1.90
1/17/2018 14:00	67.30	6130	130	2.10
1/17/2018 15:00	68.60	6499	97	1.50



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/17/2018 16:00	68.40	6356	96	1.50
1/17/2018 17:00	66.40	6757	152	2.20
1/17/2018 18:00	66.10	5432	104	1.90
1/17/2018 19:00	68.20	3689	67	1.80
1/17/2018 20:00	69.40	2978	28	0.90
1/17/2018 21:00	69.50	2501	27	1.10
1/17/2018 22:00	69.00	2455	23	0.90
1/17/2018 23:00	68.70	1044	5	0.50
1/18/2018 0:00	69.50	545	3	0.60
1/18/2018 1:00	69.00	340	4	1.20
1/18/2018 2:00	68.90	320	4	1.30
1/18/2018 3:00	68.80	463	10	2.20
1/18/2018 4:00	69.10	1249	7	0.60
1/18/2018 5:00	68.80	4577	43	0.90
1/18/2018 6:00	61.00	9416	238	2.50
1/18/2018 7:00	36.00	9245	281	3.00
1/18/2018 8:00	18.60	8028	287	3.60
1/18/2018 9:00	41.40	7204	165	2.30
1/18/2018 10:00	66.80	6512	118	1.80
1/18/2018 11:00	67.40	6173	120	1.90
1/18/2018 12:00	67.30	6289	121	1.90
1/18/2018 13:00	66.80	6067	125	2.10
1/18/2018 14:00	66.30	6358	154	2.40
1/18/2018 15:00	66.90	6542	145	2.20
1/18/2018 16:00	67.90	6506	113	1.70
1/18/2018 17:00	66.00	6706	161	2.40
1/18/2018 18:00	65.90	5553	102	1.80
1/18/2018 19:00	68.60	3988	64	1.60
1/18/2018 20:00	70.20	2974	39	1.30
1/18/2018 21:00	69.20	2679	27	1.00
1/18/2018 22:00	69.20	1656	14	0.80
1/18/2018 23:00	69.40	993	2	0.20
1/19/2018 0:00	69.40	623	3	0.50
1/19/2018 1:00	69.00	427	2	0.50
1/19/2018 2:00	68.80	350	7	2.00
1/19/2018 3:00	69.00	438	2	0.50
1/19/2018 4:00	69.60	1173	5	0.40
1/19/2018 5:00	69.20	4402	48	1.10
1/19/2018 6:00	40.60	8744	513	5.90
1/19/2018 7:00	31.30	9487	578	6.10
1/19/2018 8:00	35.40	8452	247	2.90
1/19/2018 9:00	66.20	7237	170	2.30
1/19/2018 10:00	66.20	6776	135	2.00
1/19/2018 11:00	66.50	6712	134	2.00
1/19/2018 12:00	66.70	6574	131	2.00
1/19/2018 13:00	66.80	6364	124	1.90
1/19/2018 14:00	67.50	6742	146	2.20
1/19/2018 15:00	67.70	6532	109	1.70
1/19/2018 16:00	63.70	6466	146	2.30
1/19/2018 17:00	63.90	6220	130	2.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/19/2018 18:00	64.60	5522	100	1.80
1/19/2018 19:00	67.80	3811	45	1.20
1/19/2018 20:00	69.00	2942	20	0.70
1/19/2018 21:00	69.00	2564	18	0.70
1/19/2018 22:00	69.50	1980	9	0.50
1/19/2018 23:00	69.70	1369	4	0.30
1/20/2018 0:00	69.30	902	3	0.30
1/20/2018 1:00	69.20	648	1	0.20
1/20/2018 2:00	69.10	469	3	0.60
1/20/2018 3:00	69.60	372	7	1.90
1/20/2018 4:00	69.20	624	5	0.80
1/20/2018 5:00	69.30	1394	12	0.90
1/20/2018 6:00	68.60	2519	22	0.90
1/20/2018 7:00	69.10	3768	44	1.20
1/20/2018 8:00	67.80	5367	79	1.50
1/20/2018 9:00	66.90	6408	77	1.20
1/20/2018 10:00	67.60	6510	87	1.30
1/20/2018 11:00	64.50	6469	127	2.00
1/20/2018 12:00	67.10	6787	121	1.80
1/20/2018 13:00	67.80	6499	112	1.70
1/20/2018 14:00	68.50	6214	89	1.40
1/20/2018 15:00	68.10	6282	106	1.70
1/20/2018 16:00	67.70	6191	91	1.50
1/20/2018 17:00	67.00	5917	61	1.00
1/20/2018 18:00	66.40	5308	69	1.30
1/20/2018 19:00	68.90	3634	36	1.00
1/20/2018 20:00	68.40	2868	30	1.00
1/20/2018 21:00	69.90	2580	12	0.50
1/20/2018 22:00	70.00	2220	16	0.70
1/20/2018 23:00	69.70	1423	3	0.20
1/21/2018 0:00	69.50	1031	1	0.10
1/21/2018 1:00	69.60	695	5	0.70
1/21/2018 2:00	69.40	586	0	0.00
1/21/2018 3:00	69.50	391	0	0.00
1/21/2018 4:00	69.60	490	0	0.00
1/21/2018 5:00	69.50	879	2	0.20
1/21/2018 6:00	69.90	1651	5	0.30
1/21/2018 7:00	69.90	2379	16	0.70
1/21/2018 8:00	69.50	3542	23	0.60
1/21/2018 9:00	69.60	5131	37	0.70
1/21/2018 10:00	68.30	5891	61	1.00
1/21/2018 11:00	54.10	6216	185	3.00
1/21/2018 12:00	63.40	6169	99	1.60
1/21/2018 13:00	67.10	5854	99	1.70
1/21/2018 14:00	66.50	5366	60	1.10
1/21/2018 15:00	68.60	5570	65	1.20
1/21/2018 16:00	69.00	5051	76	1.50
1/21/2018 17:00	68.60	4476	50	1.10
1/21/2018 18:00	67.30	4086	54	1.30
1/21/2018 19:00	68.20	3222	36	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/21/2018 20:00	69.50	2428	31	1.30
1/21/2018 21:00	69.60	1823	7	0.40
1/21/2018 22:00	69.30	1360	2	0.10
1/21/2018 23:00	68.80	794	6	0.80
1/22/2018 0:00	68.60	523	4	0.80
1/22/2018 1:00	69.00	334	6	1.80
1/22/2018 2:00	69.00	265	4	1.50
1/22/2018 3:00	69.10	474	6	1.30
1/22/2018 4:00	69.00	1189	9	0.80
1/22/2018 5:00	69.30	4574	37	0.80
1/22/2018 6:00	61.30	9259	242	2.60
1/22/2018 7:00	50.70	9548	280	2.90
1/22/2018 8:00	22.20	8248	405	4.90
1/22/2018 9:00	62.60	6629	123	1.90
1/22/2018 10:00	65.90	6049	142	2.30
1/22/2018 11:00	66.00	5858	95	1.60
1/22/2018 12:00	65.80	5743	125	2.20
1/22/2018 13:00	65.50	5696	131	2.30
1/22/2018 14:00	66.30	5984	153	2.60
1/22/2018 15:00	67.70	6146	91	1.50
1/22/2018 16:00	66.80	6045	118	2.00
1/22/2018 17:00	67.10	6217	145	2.30
1/22/2018 18:00	66.30	5015	105	2.10
1/22/2018 19:00	67.80	3371	52	1.50
1/22/2018 20:00	69.40	2668	27	1.00
1/22/2018 21:00	68.30	2266	23	1.00
1/22/2018 22:00	68.70	1599	18	1.10
1/22/2018 23:00	69.00	1001	11	1.10
1/23/2018 0:00	68.70	595	7	1.20
1/23/2018 1:00	69.30	353	3	0.80
1/23/2018 2:00	69.20	291	2	0.70
1/23/2018 3:00	69.30	447	0	0.00
1/23/2018 4:00	70.00	1263	5	0.40
1/23/2018 5:00	68.50	4733	49	1.00
1/23/2018 6:00	58.30	9319	294	3.20
1/23/2018 7:00	24.60	8954	446	5.00
1/23/2018 8:00	19.30	8041	281	3.50
1/23/2018 9:00	51.10	7328	151	2.10
1/23/2018 10:00	66.00	6274	141	2.20
1/23/2018 11:00	65.90	6243	137	2.20
1/23/2018 12:00	65.90	5921	139	2.30
1/23/2018 13:00	66.20	5945	129	2.20
1/23/2018 14:00	66.90	6216	170	2.70
1/23/2018 15:00	67.10	6479	118	1.80
1/23/2018 16:00	66.70	6360	124	1.90
1/23/2018 17:00	66.00	6736	154	2.30
1/23/2018 18:00	65.10	5444	142	2.60
1/23/2018 19:00	67.90	3804	76	2.00
1/23/2018 20:00	69.70	2946	33	1.10
1/23/2018 21:00	69.30	2363	31	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/23/2018 22:00	69.70	1266	5	0.40
1/23/2018 23:00	70.70	620	1	0.20
1/24/2018 0:00	70.80	433	5	1.20
1/24/2018 1:00	69.30	312	3	1.00
1/24/2018 2:00	69.20	304	2	0.70
1/24/2018 3:00	69.60	465	2	0.40
1/24/2018 4:00	69.40	1231	11	0.90
1/24/2018 5:00	70.10	4646	47	1.00
1/24/2018 6:00	51.20	8802	854	9.70
1/24/2018 7:00	37.30	9245	406	4.40
1/24/2018 8:00	16.80	7738	376	4.90
1/24/2018 9:00	33.10	7453	165	2.20
1/24/2018 10:00	65.30	6488	124	1.90
1/24/2018 11:00	68.50	6143	114	1.90
1/24/2018 12:00	67.10	6337	135	2.10
1/24/2018 13:00	67.10	6055	123	2.00
1/24/2018 14:00	67.70	6230	148	2.40
1/24/2018 15:00	68.80	6267	108	1.70
1/24/2018 16:00	68.60	6244	102	1.60
1/24/2018 17:00	67.60	6578	154	2.30
1/24/2018 18:00	66.40	5382	112	2.10
1/24/2018 19:00	68.40	3933	63	1.60
1/24/2018 20:00	69.30	2992	32	1.10
1/24/2018 21:00	69.20	2614	17	0.70
1/24/2018 22:00	69.10	1789	28	1.60
1/24/2018 23:00	69.20	944	4	0.40
1/25/2018 0:00	69.80	532	0	0.00
1/25/2018 1:00	69.30	334	4	1.20
1/25/2018 2:00	69.40	296	3	1.00
1/25/2018 3:00	69.10	439	6	1.40
1/25/2018 4:00	69.60	1292	7	0.50
1/25/2018 5:00	69.50	4698	58	1.20
1/25/2018 6:00	44.30	9198	425	4.60
1/25/2018 7:00	22.60	8857	366	4.10
1/25/2018 8:00	19.00	8119	246	3.00
1/25/2018 9:00	58.20	7376	132	1.80
1/25/2018 10:00	67.40	6194	135	2.20
1/25/2018 11:00	67.40	6170	111	1.80
1/25/2018 12:00	66.90	6263	155	2.50
1/25/2018 13:00	67.10	5984	124	2.10
1/25/2018 14:00	67.20	6554	143	2.20
1/25/2018 15:00	67.70	6400	124	1.90
1/25/2018 16:00	67.60	6422	129	2.00
1/25/2018 17:00	66.30	6633	129	1.90
1/25/2018 18:00	66.80	5712	100	1.80
1/25/2018 19:00	68.20	4027	59	1.50
1/25/2018 20:00	69.20	2900	34	1.20
1/25/2018 21:00	69.00	2466	21	0.90
1/25/2018 22:00	69.50	1696	14	0.80
1/25/2018 23:00	69.30	972	2	0.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/26/2018 0:00	69.40	552	5	0.90
1/26/2018 1:00	69.00	417	3	0.70
1/26/2018 2:00	69.00	326	4	1.20
1/26/2018 3:00	68.90	520	8	1.50
1/26/2018 4:00	68.90	1244	9	0.70
1/26/2018 5:00	68.80	4340	37	0.90
1/26/2018 6:00	45.50	8846	319	3.60
1/26/2018 7:00	25.20	9213	607	6.60
1/26/2018 8:00	30.50	8480	341	4.00
1/26/2018 9:00	66.10	7427	151	2.00
1/26/2018 10:00	66.50	6896	159	2.30
1/26/2018 11:00	66.90	6852	184	2.70
1/26/2018 12:00	67.50	7011	167	2.40
1/26/2018 13:00	67.10	6746	174	2.60
1/26/2018 14:00	67.20	6701	157	2.30
1/26/2018 15:00	68.00	6836	135	2.00
1/26/2018 16:00	56.70	6406	250	3.90
1/26/2018 17:00	57.10	6629	233	3.50
1/26/2018 18:00	66.30	5696	115	2.00
1/26/2018 19:00	68.50	4255	44	1.00
1/26/2018 20:00	69.10	3244	36	1.10
1/26/2018 21:00	69.90	2793	20	0.70
1/26/2018 22:00	69.60	2099	14	0.70
1/26/2018 23:00	70.10	1435	7	0.50
1/27/2018 0:00	69.90	893	1	0.10
1/27/2018 1:00	69.90	708	0	0.00
1/27/2018 2:00	69.30	503	2	0.40
1/27/2018 3:00	69.50	450	1	0.20
1/27/2018 4:00	68.80	614	6	1.00
1/27/2018 5:00	69.30	1388	6	0.40
1/27/2018 6:00	68.90	2572	36	1.40
1/27/2018 7:00	70.00	3945	43	1.10
1/27/2018 8:00	69.20	5655	76	1.30
1/27/2018 9:00	68.70	6551	107	1.60
1/27/2018 10:00	68.70	7155	99	1.40
1/27/2018 11:00	67.90	6990	104	1.50
1/27/2018 12:00	67.40	7053	108	1.50
1/27/2018 13:00	68.10	6876	109	1.60
1/27/2018 14:00	68.50	6569	132	2.00
1/27/2018 15:00	69.00	6496	118	1.80
1/27/2018 16:00	68.30	6338	118	1.90
1/27/2018 17:00	68.10	5724	96	1.70
1/27/2018 18:00	66.80	5162	84	1.60
1/27/2018 19:00	68.50	3922	36	0.90
1/27/2018 20:00	68.90	3132	39	1.20
1/27/2018 21:00	69.60	2696	21	0.80
1/27/2018 22:00	69.70	2269	18	0.80
1/27/2018 23:00	70.10	1461	6	0.40
1/28/2018 0:00	69.70	1048	2	0.20
1/28/2018 1:00	69.80	723	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/28/2018 2:00	69.30	534	1	0.20
1/28/2018 3:00	69.70	386	0	0.00
1/28/2018 4:00	69.40	515	1	0.20
1/28/2018 5:00	69.60	958	1	0.10
1/28/2018 6:00	69.70	1765	8	0.50
1/28/2018 7:00	69.90	2519	14	0.60
1/28/2018 8:00	69.10	3887	31	0.80
1/28/2018 9:00	68.30	5467	63	1.20
1/28/2018 10:00	67.90	6462	85	1.30
1/28/2018 11:00	67.40	7079	91	1.30
1/28/2018 12:00	67.10	7232	78	1.10
1/28/2018 13:00	66.70	6637	90	1.40
1/28/2018 14:00	67.20	6022	75	1.20
1/28/2018 15:00	68.00	5611	66	1.20
1/28/2018 16:00	67.20	5387	76	1.40
1/28/2018 17:00	66.70	4794	73	1.50
1/28/2018 18:00	67.10	4259	49	1.20
1/28/2018 19:00	68.80	3090	40	1.30
1/28/2018 20:00	68.50	2655	34	1.30
1/28/2018 21:00	68.60	2181	22	1.00
1/28/2018 22:00	68.60	1714	11	0.60
1/28/2018 23:00	69.10	911	10	1.10
1/29/2018 0:00	70.00	488	5	1.00
1/29/2018 1:00	69.70	321	1	0.30
1/29/2018 2:00	69.50	311	1	0.30
1/29/2018 3:00	68.80	455	4	0.90
1/29/2018 4:00	69.50	1265	16	1.30
1/29/2018 5:00	69.30	4658	50	1.10
1/29/2018 6:00	43.70	9238	364	3.90
1/29/2018 7:00	22.80	8764	689	7.90
1/29/2018 8:00	21.00	8431	286	3.40
1/29/2018 9:00	55.70	6912	128	1.90
1/29/2018 10:00	67.20	6354	128	2.00
1/29/2018 11:00	67.20	5922	107	1.80
1/29/2018 12:00	67.80	5900	110	1.90
1/29/2018 13:00	67.80	5928	129	2.20
1/29/2018 14:00	67.80	6103	123	2.00
1/29/2018 15:00	67.40	6339	114	1.80
1/29/2018 16:00	68.60	5986	125	2.10
1/29/2018 17:00	67.60	6119	127	2.10
1/29/2018 18:00	66.60	4839	108	2.20
1/29/2018 19:00	69.30	3507	46	1.30
1/29/2018 20:00	70.00	2699	28	1.00
1/29/2018 21:00	70.30	2232	10	0.40
1/29/2018 22:00	69.40	1541	13	0.80
1/29/2018 23:00	69.30	887	8	0.90
1/30/2018 0:00	69.50	488	4	0.80
1/30/2018 1:00	69.30	291	2	0.70
1/30/2018 2:00	69.60	302	2	0.70
1/30/2018 3:00	69.40	448	3	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
1/30/2018 4:00	69.80	1255	14	1.10
1/30/2018 5:00	70.10	4838	46	1.00
1/30/2018 6:00	38.70	9209	546	5.90
1/30/2018 7:00	23.40	9152	450	4.90
1/30/2018 8:00	25.30	8450	229	2.70
1/30/2018 9:00	64.80	7111	148	2.10
1/30/2018 10:00	66.10	6337	125	2.00
1/30/2018 11:00	67.40	6048	130	2.10
1/30/2018 12:00	67.80	5930	119	2.00
1/30/2018 13:00	67.90	5866	112	1.90
1/30/2018 14:00	68.50	6378	146	2.30
1/30/2018 15:00	68.60	6515	120	1.80
1/30/2018 16:00	68.40	6492	120	1.80
1/30/2018 17:00	36.10	6354	438	6.90
1/30/2018 18:00	67.50	5310	93	1.80
1/30/2018 19:00	68.80	4100	55	1.30
1/30/2018 20:00	69.70	2952	24	0.80
1/30/2018 21:00	70.10	2499	12	0.50
1/30/2018 22:00	69.50	1648	10	0.60
1/30/2018 23:00	69.80	889	5	0.60
1/31/2018 0:00	69.50	515	1	0.20
1/31/2018 1:00	69.20	357	1	0.30
1/31/2018 2:00	68.70	306	9	2.90
1/31/2018 3:00	69.60	529	2	0.40
1/31/2018 4:00	69.50	1289	7	0.50
1/31/2018 5:00	70.20	4801	34	0.70
1/31/2018 6:00	61.90	9519	225	2.40
1/31/2018 7:00	24.00	8791	573	6.50
1/31/2018 8:00	19.30	8258	432	5.20
1/31/2018 9:00	44.10	7422	354	4.80
1/31/2018 10:00	68.10	6518	120	1.80
1/31/2018 11:00	67.90	6326	105	1.70
1/31/2018 12:00	66.80	6586	167	2.50
1/31/2018 13:00	67.30	6324	160	2.50
1/31/2018 14:00	67.40	6168	139	2.30
1/31/2018 15:00	68.40	6601	118	1.80
1/31/2018 16:00	68.40	6360	87	1.40
1/31/2018 17:00	66.80	6838	153	2.20
1/31/2018 18:00	66.80	5442	110	2.00
1/31/2018 19:00	68.90	3924	60	1.50
1/31/2018 20:00	70.10	3155	42	1.30
1/31/2018 21:00	69.90	2768	25	0.90
1/31/2018 22:00	69.60	1599	12	0.80
1/31/2018 23:00	69.20	945	3	0.30
2/01/2018 0:00	69.60	528	7	1.30
2/01/2018 1:00	69.30	327	2	0.60
2/01/2018 2:00	69.40	317	2	0.60
2/01/2018 3:00	69.00	488	4	0.80
2/01/2018 4:00	69.60	1275	9	0.70
2/01/2018 5:00	69.90	4688	51	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/01/2018 6:00	36.90	9075	371	4.10
2/01/2018 7:00	23.70	8510	476	5.60
2/01/2018 8:00	59.20	7498	172	2.30
2/01/2018 9:00	60.40	7671	236	3.10
2/01/2018 10:00	67.50	6608	151	2.30
2/01/2018 11:00	67.30	6260	118	1.90
2/01/2018 12:00	67.50	6315	135	2.10
2/01/2018 13:00	66.30	6041	129	2.10
2/01/2018 14:00	67.60	6684	122	1.80
2/01/2018 15:00	68.40	6524	112	1.70
2/01/2018 16:00	67.60	6817	122	1.80
2/01/2018 17:00	66.70	6748	153	2.30
2/01/2018 18:00	66.50	5305	95	1.80
2/01/2018 19:00	67.80	4259	77	1.80
2/01/2018 20:00	68.80	3130	47	1.50
2/01/2018 21:00	69.10	2744	33	1.20
2/01/2018 22:00	69.20	1740	15	0.90
2/01/2018 23:00	69.80	1024	4	0.40
2/02/2018 0:00	69.60	619	4	0.60
2/02/2018 1:00	69.20	414	3	0.70
2/02/2018 2:00	69.10	362	7	1.90
2/02/2018 3:00	69.20	519	4	0.80
2/02/2018 4:00	68.90	1223	10	0.80
2/02/2018 5:00	70.20	4480	38	0.80
2/02/2018 6:00	62.40	9309	237	2.50
2/02/2018 7:00	26.00	9145	668	7.30
2/02/2018 8:00	45.80	8194	493	6.00
2/02/2018 9:00	66.70	7561	146	1.90
2/02/2018 10:00	67.00	6884	133	1.90
2/02/2018 11:00	67.30	6810	131	1.90
2/02/2018 12:00	66.90	7014	150	2.10
2/02/2018 13:00	67.20	6671	163	2.40
2/02/2018 14:00	67.10	6766	143	2.10
2/02/2018 15:00	68.30	6712	104	1.50
2/02/2018 16:00	67.90	6717	151	2.20
2/02/2018 17:00	67.30	6604	113	1.70
2/02/2018 18:00	66.70	5673	104	1.80
2/02/2018 19:00	68.80	4308	63	1.50
2/02/2018 20:00	69.60	3338	38	1.10
2/02/2018 21:00	69.60	2974	20	0.70
2/02/2018 22:00	69.80	2242	14	0.60
2/02/2018 23:00	69.40	1513	9	0.60
2/03/2018 0:00	69.60	1017	6	0.60
2/03/2018 1:00	69.70	647	1	0.20
2/03/2018 2:00	69.70	581	3	0.50
2/03/2018 3:00	69.30	477	3	0.60
2/03/2018 4:00	69.50	654	0	0.00
2/03/2018 5:00	69.50	1349	8	0.60
2/03/2018 6:00	69.60	2638	31	1.20
2/03/2018 7:00	69.20	4020	43	1.10



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/03/2018 8:00	68.80	5550	75	1.40
2/03/2018 9:00	68.30	6584	92	1.40
2/03/2018 10:00	67.80	6986	108	1.50
2/03/2018 11:00	67.40	7407	126	1.70
2/03/2018 12:00	66.80	7316	144	2.00
2/03/2018 13:00	67.50	6925	135	1.90
2/03/2018 14:00	68.90	6621	102	1.50
2/03/2018 15:00	69.00	6567	121	1.80
2/03/2018 16:00	68.30	6404	99	1.50
2/03/2018 17:00	67.20	6179	83	1.30
2/03/2018 18:00	66.90	5452	65	1.20
2/03/2018 19:00	68.80	4026	47	1.20
2/03/2018 20:00	69.00	3493	37	1.10
2/03/2018 21:00	68.80	3301	51	1.50
2/03/2018 22:00	70.30	2354	20	0.80
2/03/2018 23:00	69.60	1539	5	0.30
2/04/2018 0:00	69.90	1008	2	0.20
2/04/2018 1:00	69.70	718	0	0.00
2/04/2018 2:00	69.30	505	1	0.20
2/04/2018 3:00	69.50	408	0	0.00
2/04/2018 4:00	69.80	516	0	0.00
2/04/2018 5:00	69.30	968	2	0.20
2/04/2018 6:00	69.90	1723	7	0.40
2/04/2018 7:00	69.60	2395	9	0.40
2/04/2018 8:00	69.40	3769	19	0.50
2/04/2018 9:00	67.70	5219	61	1.20
2/04/2018 10:00	68.00	5758	87	1.50
2/04/2018 11:00	67.70	5922	77	1.30
2/04/2018 12:00	67.40	6079	71	1.20
2/04/2018 13:00	67.30	5821	70	1.20
2/04/2018 14:00	67.40	6054	66	1.10
2/04/2018 15:00	68.20	4921	37	0.80
2/04/2018 16:00	68.70	3518	33	0.90
2/04/2018 17:00	68.70	3053	32	1.00
2/04/2018 18:00	68.00	3001	27	0.90
2/04/2018 19:00	67.90	3915	38	1.00
2/04/2018 20:00	68.90	3708	23	0.60
2/04/2018 21:00	69.80	2197	10	0.50
2/04/2018 22:00	69.80	1471	5	0.30
2/04/2018 23:00	69.60	872	4	0.50
2/05/2018 0:00	69.70	553	1	0.20
2/05/2018 1:00	69.60	346	5	1.40
2/05/2018 2:00	69.20	293	6	2.00
2/05/2018 3:00	69.00	481	4	0.80
2/05/2018 4:00	69.70	1138	9	0.80
2/05/2018 5:00	69.40	4525	34	0.80
2/05/2018 6:00	46.90	9105	641	7.00
2/05/2018 7:00	22.00	8681	1096	12.60
2/05/2018 8:00	28.40	8265	808	9.80
2/05/2018 9:00	66.50	6908	145	2.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/05/2018 10:00	66.90	6103	117	1.90
2/05/2018 11:00	66.70	5804	102	1.80
2/05/2018 12:00	67.10	5968	120	2.00
2/05/2018 13:00	67.20	5880	131	2.20
2/05/2018 14:00	67.30	6139	120	2.00
2/05/2018 15:00	68.00	6172	110	1.80
2/05/2018 16:00	68.00	6111	119	1.90
2/05/2018 17:00	67.00	6185	129	2.10
2/05/2018 18:00	66.10	4995	75	1.50
2/05/2018 19:00	68.60	3515	55	1.60
2/05/2018 20:00	70.10	2713	25	0.90
2/05/2018 21:00	68.60	2260	20	0.90
2/05/2018 22:00	69.50	1432	8	0.60
2/05/2018 23:00	69.40	877	7	0.80
2/06/2018 0:00	69.60	466	5	1.10
2/06/2018 1:00	69.70	309	1	0.30
2/06/2018 2:00	69.30	287	5	1.70
2/06/2018 3:00	69.10	461	7	1.50
2/06/2018 4:00	69.70	1254	7	0.60
2/06/2018 5:00	70.00	4856	46	0.90
2/06/2018 6:00	43.90	9262	245	2.60
2/06/2018 7:00	19.40	8149	595	7.30
2/06/2018 8:00	18.20	8165	310	3.80
2/06/2018 9:00	42.70	7626	390	5.10
2/06/2018 10:00	66.50	6372	107	1.70
2/06/2018 11:00	66.00	6275	144	2.30
2/06/2018 12:00	66.60	6197	154	2.50
2/06/2018 13:00	66.60	5941	138	2.30
2/06/2018 14:00	66.90	6298	128	2.00
2/06/2018 15:00	68.00	6461	122	1.90
2/06/2018 16:00	67.90	6468	139	2.10
2/06/2018 17:00	66.30	6647	175	2.60
2/06/2018 18:00	67.00	5642	113	2.00
2/06/2018 19:00	68.20	3955	67	1.70
2/06/2018 20:00	69.70	2865	37	1.30
2/06/2018 21:00	69.70	2466	20	0.80
2/06/2018 22:00	69.80	1482	3	0.20
2/06/2018 23:00	70.10	869	2	0.20
2/07/2018 0:00	69.60	477	4	0.80
2/07/2018 1:00	69.90	323	1	0.30
2/07/2018 2:00	69.40	273	7	2.60
2/07/2018 3:00	69.60	464	3	0.60
2/07/2018 4:00	69.60	1246	8	0.60
2/07/2018 5:00	69.80	5032	62	1.20
2/07/2018 6:00	46.00	9200	183	2.00
2/07/2018 7:00	22.80	8429	285	3.40
2/07/2018 8:00	17.60	8137	285	3.50
2/07/2018 9:00	34.20	7957	342	4.30
2/07/2018 10:00	67.10	6514	144	2.20
2/07/2018 11:00	66.70	6262	128	2.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/07/2018 12:00	66.70	6537	133	2.00
2/07/2018 13:00	66.30	6125	132	2.20
2/07/2018 14:00	68.00	6310	164	2.60
2/07/2018 15:00	69.30	6414	99	1.50
2/07/2018 16:00	69.00	6191	109	1.80
2/07/2018 17:00	67.30	6669	147	2.20
2/07/2018 18:00	66.20	5655	113	2.00
2/07/2018 19:00	67.90	3852	66	1.70
2/07/2018 20:00	69.70	3036	29	1.00
2/07/2018 21:00	70.00	2677	11	0.40
2/07/2018 22:00	70.00	1677	5	0.30
2/07/2018 23:00	69.60	1003	10	1.00
2/08/2018 0:00	70.20	608	3	0.50
2/08/2018 1:00	70.20	386	3	0.80
2/08/2018 2:00	69.60	360	9	2.50
2/08/2018 3:00	69.90	519	1	0.20
2/08/2018 4:00	69.70	1305	9	0.70
2/08/2018 5:00	70.30	4759	37	0.80
2/08/2018 6:00	31.00	8878	612	6.90
2/08/2018 7:00	20.70	8983	489	5.40
2/08/2018 8:00	18.70	8260	487	5.90
2/08/2018 9:00	54.50	7472	227	3.00
2/08/2018 10:00	67.20	6704	149	2.20
2/08/2018 11:00	67.30	6380	132	2.10
2/08/2018 12:00	66.70	6357	142	2.20
2/08/2018 13:00	66.90	6122	154	2.50
2/08/2018 14:00	67.00	6567	163	2.50
2/08/2018 15:00	68.00	6569	144	2.20
2/08/2018 16:00	67.60	6488	143	2.20
2/08/2018 17:00	66.60	6716	168	2.50
2/08/2018 18:00	66.30	5643	125	2.20
2/08/2018 19:00	67.40	4188	73	1.70
2/08/2018 20:00	69.10	3076	30	1.00
2/08/2018 21:00	69.90	2846	21	0.70
2/08/2018 22:00	69.50	2129	25	1.20
2/08/2018 23:00	69.30	1295	9	0.70
2/09/2018 0:00	69.90	693	2	0.30
2/09/2018 1:00	69.30	440	4	0.90
2/09/2018 2:00	69.40	388	4	1.00
2/09/2018 3:00	69.30	538	5	0.90
2/09/2018 4:00	69.70	1311	7	0.50
2/09/2018 5:00	69.50	4601	43	0.90
2/09/2018 6:00	50.40	9447	268	2.80
2/09/2018 7:00	38.90	9569	228	2.40
2/09/2018 8:00	38.60	7929	69	0.90
2/09/2018 9:00	66.40	7565	161	2.10
2/09/2018 10:00	66.50	6982	144	2.10
2/09/2018 11:00	66.20	7255	163	2.20
2/09/2018 12:00	66.70	6937	145	2.10
2/09/2018 13:00	67.50	6730	115	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/09/2018 14:00	60.70	6757	269	4.00
2/09/2018 15:00	68.60	6658	117	1.80
2/09/2018 16:00	68.90	6514	117	1.80
2/09/2018 17:00	67.30	6541	171	2.60
2/09/2018 18:00	66.00	5812	108	1.90
2/09/2018 19:00	68.20	4469	78	1.70
2/09/2018 20:00	69.80	3226	41	1.30
2/09/2018 21:00	69.40	2846	22	0.80
2/09/2018 22:00	69.50	2110	12	0.60
2/09/2018 23:00	69.30	1418	2	0.10
2/10/2018 0:00	69.30	948	1	0.10
2/10/2018 1:00	69.50	666	1	0.20
2/10/2018 2:00	69.20	559	3	0.50
2/10/2018 3:00	69.20	438	3	0.70
2/10/2018 4:00	69.20	669	4	0.60
2/10/2018 5:00	69.60	1448	9	0.60
2/10/2018 6:00	69.50	2741	23	0.80
2/10/2018 7:00	69.10	4112	41	1.00
2/10/2018 8:00	69.00	5567	88	1.60
2/10/2018 9:00	68.40	6587	91	1.40
2/10/2018 10:00	68.00	6815	90	1.30
2/10/2018 11:00	67.80	7097	99	1.40
2/10/2018 12:00	66.90	7167	112	1.60
2/10/2018 13:00	67.60	6784	92	1.40
2/10/2018 14:00	68.00	6327	100	1.60
2/10/2018 15:00	68.20	6524	77	1.20
2/10/2018 16:00	68.70	5988	85	1.40
2/10/2018 17:00	67.80	5792	80	1.40
2/10/2018 18:00	66.40	5124	69	1.30
2/10/2018 19:00	69.10	3779	36	1.00
2/10/2018 20:00	69.80	3096	27	0.90
2/10/2018 21:00	69.50	2693	13	0.50
2/10/2018 22:00	69.30	2203	13	0.60
2/10/2018 23:00	69.90	1565	7	0.40
2/11/2018 0:00	69.60	1007	2	0.20
2/11/2018 1:00	69.70	799	0	0.00
2/11/2018 2:00	63.80	982	3	0.30
2/11/2018 3:00	63.60	904	2	0.20
2/11/2018 4:00	63.60	977	2	0.20
2/11/2018 5:00	68.70	1046	3	0.30
2/11/2018 6:00	69.80	1763	5	0.30
2/11/2018 7:00	69.40	2532	13	0.50
2/11/2018 8:00	69.00	3792	31	0.80
2/11/2018 9:00	68.40	5452	51	0.90
2/11/2018 10:00	67.90	6350	77	1.20
2/11/2018 11:00	66.90	6559	86	1.30
2/11/2018 12:00	66.30	6510	69	1.10
2/11/2018 13:00	65.70	6495	78	1.20
2/11/2018 14:00	67.40	5915	68	1.10
2/11/2018 15:00	67.60	5648	72	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/11/2018 16:00	68.60	5471	65	1.20
2/11/2018 17:00	68.70	4769	54	1.10
2/11/2018 18:00	67.30	4192	69	1.60
2/11/2018 19:00	68.30	3107	31	1.00
2/11/2018 20:00	69.10	2498	26	1.00
2/11/2018 21:00	69.20	2037	12	0.60
2/11/2018 22:00	69.20	1468	11	0.70
2/11/2018 23:00	69.70	859	0	0.00
2/12/2018 0:00	69.40	520	4	0.80
2/12/2018 1:00	69.40	317	2	0.60
2/12/2018 2:00	69.50	285	4	1.40
2/12/2018 3:00	69.20	458	3	0.70
2/12/2018 4:00	70.00	1234	6	0.50
2/12/2018 5:00	69.60	4693	32	0.70
2/12/2018 6:00	56.60	9116	267	2.90
2/12/2018 7:00	24.60	8955	1471	16.40
2/12/2018 8:00	31.70	8494	202	2.40
2/12/2018 9:00	65.40	6719	162	2.40
2/12/2018 10:00	67.00	6170	110	1.80
2/12/2018 11:00	67.10	5900	118	2.00
2/12/2018 12:00	67.20	6021	111	1.80
2/12/2018 13:00	66.40	6148	132	2.10
2/12/2018 14:00	66.80	6264	139	2.20
2/12/2018 15:00	67.60	6278	133	2.10
2/12/2018 16:00	67.70	5722	127	2.20
2/12/2018 17:00	67.60	5952	119	2.00
2/12/2018 18:00	66.20	5040	96	1.90
2/12/2018 19:00	68.20	3490	66	1.90
2/12/2018 20:00	69.00	2704	27	1.00
2/12/2018 21:00	69.10	2297	12	0.50
2/12/2018 22:00	69.50	1483	5	0.30
2/12/2018 23:00	69.30	859	8	0.90
2/13/2018 0:00	69.30	504	2	0.40
2/13/2018 1:00	69.50	290	2	0.70
2/13/2018 2:00	69.50	301	4	1.30
2/13/2018 3:00	69.00	440	4	0.90
2/13/2018 4:00	69.20	1316	17	1.30
2/13/2018 5:00	69.90	4874	49	1.00
2/13/2018 6:00	22.40	6750	464	6.90
2/13/2018 7:00	19.90	8378	243	2.90
2/13/2018 8:00	20.60	8073	309	3.80
2/13/2018 9:00	30.50	8364	1133	13.50
2/13/2018 10:00	67.60	6486	117	1.80
2/13/2018 11:00	67.20	6236	126	2.00
2/13/2018 12:00	67.50	6324	124	2.00
2/13/2018 13:00	64.10	6090	73	1.20
2/13/2018 14:00	66.70	6507	154	2.40
2/13/2018 15:00	67.40	6510	127	2.00
2/13/2018 16:00	68.30	6383	134	2.10
2/13/2018 17:00	66.60	6786	180	2.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/13/2018 18:00	66.80	5553	99	1.80
2/13/2018 19:00	68.00	4139	71	1.70
2/13/2018 20:00	69.00	3057	39	1.30
2/13/2018 21:00	69.20	2628	33	1.30
2/13/2018 22:00	69.60	1538	5	0.30
2/13/2018 23:00	69.70	963	1	0.10
2/14/2018 0:00	69.40	527	5	0.90
2/14/2018 1:00	69.20	320	3	0.90
2/14/2018 2:00	69.20	292	6	2.10
2/14/2018 3:00	68.90	456	3	0.70
2/14/2018 4:00	69.80	1245	10	0.80
2/14/2018 5:00	70.80	4858	45	0.90
2/14/2018 6:00	44.20	9584	387	4.00
2/14/2018 7:00	28.60	9258	635	6.90
2/14/2018 8:00	22.90	8490	727	8.60
2/14/2018 9:00	64.60	7238	156	2.20
2/14/2018 10:00	67.00	6746	139	2.10
2/14/2018 11:00	67.50	6514	117	1.80
2/14/2018 12:00	67.20	6605	155	2.30
2/14/2018 13:00	67.00	6522	157	2.40
2/14/2018 14:00	66.60	6637	139	2.10
2/14/2018 15:00	67.10	6573	115	1.70
2/14/2018 16:00	66.70	6493	124	1.90
2/14/2018 17:00	67.70	6874	126	1.80
2/14/2018 18:00	66.40	5641	102	1.80
2/14/2018 19:00	67.70	4141	65	1.60
2/14/2018 20:00	69.00	3221	38	1.20
2/14/2018 21:00	68.80	2666	24	0.90
2/14/2018 22:00	68.90	2408	18	0.70
2/14/2018 23:00	69.10	1142	7	0.60
2/15/2018 0:00	69.60	689	8	1.20
2/15/2018 1:00	69.50	428	7	1.60
2/15/2018 2:00	69.60	384	7	1.80
2/15/2018 3:00	69.30	477	6	1.30
2/15/2018 4:00	69.80	1392	13	0.90
2/15/2018 5:00	70.00	4720	54	1.10
2/15/2018 6:00	61.70	9547	195	2.00
2/15/2018 7:00	24.50	8703	689	7.90
2/15/2018 8:00	19.80	8381	405	4.80
2/15/2018 9:00	63.10	7287	154	2.10
2/15/2018 10:00	68.10	6586	118	1.80
2/15/2018 11:00	67.70	6352	120	1.90
2/15/2018 12:00	67.40	6603	164	2.50
2/15/2018 13:00	67.80	6239	140	2.20
2/15/2018 14:00	67.20	6551	163	2.50
2/15/2018 15:00	67.80	6879	138	2.00
2/15/2018 16:00	68.70	6486	120	1.90
2/15/2018 17:00	67.50	6829	153	2.20
2/15/2018 18:00	66.80	5826	125	2.10
2/15/2018 19:00	67.60	4691	109	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/15/2018 20:00	68.90	3284	66	2.00
2/15/2018 21:00	69.90	2824	17	0.60
2/15/2018 22:00	68.60	2605	33	1.30
2/15/2018 23:00	69.10	1803	17	0.90
2/16/2018 0:00	69.50	745	1	0.10
2/16/2018 1:00	69.20	555	5	0.90
2/16/2018 2:00	69.90	391	7	1.80
2/16/2018 3:00	69.50	550	7	1.30
2/16/2018 4:00	69.70	1158	11	0.90
2/16/2018 5:00	70.80	4259	25	0.60
2/16/2018 6:00	64.60	8781	205	2.30
2/16/2018 7:00	64.80	8653	182	2.10
2/16/2018 8:00	67.00	7451	138	1.90
2/16/2018 9:00	67.30	7553	163	2.20
2/16/2018 10:00	67.40	7250	140	1.90
2/16/2018 11:00	67.40	7225	144	2.00
2/16/2018 12:00	66.70	7240	179	2.50
2/16/2018 13:00	65.80	6703	168	2.50
2/16/2018 14:00	67.50	6508	135	2.10
2/16/2018 15:00	68.50	6571	105	1.60
2/16/2018 16:00	68.70	6575	110	1.70
2/16/2018 17:00	66.80	6851	153	2.20
2/16/2018 18:00	67.50	5862	99	1.70
2/16/2018 19:00	68.20	4518	71	1.60
2/16/2018 20:00	69.20	3380	25	0.70
2/16/2018 21:00	68.60	2980	21	0.70
2/16/2018 22:00	69.10	2244	14	0.60
2/16/2018 23:00	69.00	1479	6	0.40
2/17/2018 0:00	69.10	924	6	0.60
2/17/2018 1:00	69.30	639	2	0.30
2/17/2018 2:00	69.60	560	2	0.40
2/17/2018 3:00	68.90	455	4	0.90
2/17/2018 4:00	69.30	658	4	0.60
2/17/2018 5:00	69.30	1357	7	0.50
2/17/2018 6:00	70.00	2554	16	0.60
2/17/2018 7:00	69.10	3684	39	1.10
2/17/2018 8:00	69.50	5294	71	1.30
2/17/2018 9:00	68.20	6610	97	1.50
2/17/2018 10:00	68.40	6922	110	1.60
2/17/2018 11:00	67.40	7137	95	1.30
2/17/2018 12:00	67.20	7054	120	1.70
2/17/2018 13:00	66.80	6887	113	1.60
2/17/2018 14:00	67.80	6435	104	1.60
2/17/2018 15:00	67.90	6936	107	1.50
2/17/2018 16:00	68.50	6441	98	1.50
2/17/2018 17:00	67.30	5912	96	1.60
2/17/2018 18:00	66.80	5502	72	1.30
2/17/2018 19:00	68.20	4004	52	1.30
2/17/2018 20:00	69.30	3152	24	0.80
2/17/2018 21:00	69.60	2785	17	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/17/2018 22:00	69.20	2242	25	1.10
2/17/2018 23:00	69.50	1496	5	0.30
2/18/2018 0:00	69.70	1009	2	0.20
2/18/2018 1:00	69.60	710	1	0.10
2/18/2018 2:00	69.60	576	1	0.20
2/18/2018 3:00	69.80	374	0	0.00
2/18/2018 4:00	69.90	493	0	0.00
2/18/2018 5:00	69.20	922	5	0.50
2/18/2018 6:00	69.80	1746	3	0.20
2/18/2018 7:00	69.80	2517	10	0.40
2/18/2018 8:00	69.40	3775	22	0.60
2/18/2018 9:00	68.20	5592	48	0.90
2/18/2018 10:00	67.20	6626	67	1.00
2/18/2018 11:00	66.60	6598	84	1.30
2/18/2018 12:00	67.20	6864	83	1.20
2/18/2018 13:00	66.90	6283	78	1.20
2/18/2018 14:00	67.50	5867	66	1.10
2/18/2018 15:00	68.10	5553	78	1.40
2/18/2018 16:00	68.30	5592	90	1.60
2/18/2018 17:00	67.80	5061	72	1.40
2/18/2018 18:00	66.70	4344	70	1.60
2/18/2018 19:00	68.20	3380	40	1.20
2/18/2018 20:00	68.40	2785	27	1.00
2/18/2018 21:00	69.60	2299	11	0.50
2/18/2018 22:00	69.60	1781	4	0.20
2/18/2018 23:00	69.40	1125	2	0.20
2/19/2018 0:00	69.30	686	2	0.30
2/19/2018 1:00	69.80	437	0	0.00
2/19/2018 2:00	69.40	322	0	0.00
2/19/2018 3:00	69.30	454	3	0.70
2/19/2018 4:00	69.50	914	0	0.00
2/19/2018 5:00	69.20	2493	21	0.80
2/19/2018 6:00	67.80	4852	61	1.30
2/19/2018 7:00	67.00	5136	70	1.40
2/19/2018 8:00	67.70	5492	76	1.40
2/19/2018 9:00	66.70	6185	117	1.90
2/19/2018 10:00	67.20	6646	103	1.50
2/19/2018 11:00	67.40	6711	115	1.70
2/19/2018 12:00	66.90	6459	130	2.00
2/19/2018 13:00	67.40	6180	101	1.60
2/19/2018 14:00	68.20	6035	108	1.80
2/19/2018 15:00	68.10	5986	107	1.80
2/19/2018 16:00	68.40	5904	104	1.80
2/19/2018 17:00	68.40	5878	92	1.60
2/19/2018 18:00	66.80	4751	73	1.50
2/19/2018 19:00	68.40	3619	57	1.60
2/19/2018 20:00	68.90	2707	43	1.60
2/19/2018 21:00	68.20	2150	24	1.10
2/19/2018 22:00	69.40	1553	9	0.60
2/19/2018 23:00	70.10	925	3	0.30



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/20/2018 0:00	69.50	487	2	0.40
2/20/2018 1:00	69.80	290	2	0.70
2/20/2018 2:00	69.50	243	5	2.10
2/20/2018 3:00	69.60	437	0	0.00
2/20/2018 4:00	69.90	1262	2	0.20
2/20/2018 5:00	70.80	4700	34	0.70
2/20/2018 6:00	62.80	9566	220	2.30
2/20/2018 7:00	24.60	8708	664	7.60
2/20/2018 8:00	22.10	8637	407	4.70
2/20/2018 9:00	61.30	7186	131	1.80
2/20/2018 10:00	67.20	6520	139	2.10
2/20/2018 11:00	66.90	5993	136	2.30
2/20/2018 12:00	67.00	6180	155	2.50
2/20/2018 13:00	67.60	5983	118	2.00
2/20/2018 14:00	66.90	6321	131	2.10
2/20/2018 15:00	67.70	6503	125	1.90
2/20/2018 16:00	68.30	6351	111	1.70
2/20/2018 17:00	66.80	6544	179	2.70
2/20/2018 18:00	67.40	5291	108	2.00
2/20/2018 19:00	68.90	3856	49	1.30
2/20/2018 20:00	69.20	2990	55	1.80
2/20/2018 21:00	69.50	2415	30	1.20
2/20/2018 22:00	69.10	1620	16	1.00
2/20/2018 23:00	68.70	790	5	0.60
2/21/2018 0:00	69.30	496	7	1.40
2/21/2018 1:00	68.80	323	6	1.90
2/21/2018 2:00	69.00	259	3	1.20
2/21/2018 3:00	69.30	419	3	0.70
2/21/2018 4:00	69.50	1222	11	0.90
2/21/2018 5:00	69.90	4820	38	0.80
2/21/2018 6:00	41.60	9513	583	6.10
2/21/2018 7:00	20.10	8585	683	8.00
2/21/2018 8:00	26.60	7999	310	3.90
2/21/2018 9:00	65.20	7483	121	1.60
2/21/2018 10:00	66.10	6386	143	2.20
2/21/2018 11:00	60.90	6215	191	3.10
2/21/2018 12:00	65.20	6269	145	2.30
2/21/2018 13:00	66.40	6075	168	2.80
2/21/2018 14:00	66.80	6278	138	2.20
2/21/2018 15:00	68.10	6291	132	2.10
2/21/2018 16:00	68.30	6221	128	2.10
2/21/2018 17:00	67.10	6593	166	2.50
2/21/2018 18:00	67.10	5461	103	1.90
2/21/2018 19:00	67.80	3862	58	1.50
2/21/2018 20:00	68.60	3159	32	1.00
2/21/2018 21:00	69.10	2678	29	1.10
2/21/2018 22:00	69.00	1699	12	0.70
2/21/2018 23:00	69.60	1037	3	0.30
2/22/2018 0:00	69.50	542	2	0.40
2/22/2018 1:00	69.50	353	2	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/22/2018 2:00	69.60	317	5	1.60
2/22/2018 3:00	69.40	431	5	1.20
2/22/2018 4:00	69.80	1293	8	0.60
2/22/2018 5:00	70.70	4691	35	0.70
2/22/2018 6:00	63.80	9402	201	2.10
2/22/2018 7:00	21.90	7675	779	10.10
2/22/2018 8:00	22.60	6491	316	4.90
2/22/2018 9:00	42.70	7945	610	7.70
2/22/2018 10:00	67.00	6521	134	2.10
2/22/2018 11:00	67.10	6235	135	2.20
2/22/2018 12:00	66.80	6406	120	1.90
2/22/2018 13:00	64.70	6074	140	2.30
2/22/2018 14:00	59.40	5183	120	2.30
2/22/2018 15:00	65.10	6543	167	2.60
2/22/2018 16:00	57.90	6446	179	2.80
2/22/2018 17:00	67.10	6489	133	2.00
2/22/2018 18:00	66.40	5454	107	2.00
2/22/2018 19:00	64.50	4110	87	2.10
2/22/2018 20:00	67.50	3169	43	1.40
2/22/2018 21:00	68.70	2478	30	1.20
2/22/2018 22:00	69.40	1676	7	0.40
2/22/2018 23:00	69.10	1105	9	0.80
2/23/2018 0:00	69.50	588	3	0.50
2/23/2018 1:00	69.20	412	4	1.00
2/23/2018 2:00	69.20	353	4	1.10
2/23/2018 3:00	69.20	455	6	1.30
2/23/2018 4:00	69.50	1256	5	0.40
2/23/2018 5:00	68.40	4479	59	1.30
2/23/2018 6:00	62.80	9493	207	2.20
2/23/2018 7:00	25.40	8375	285	3.40
2/23/2018 8:00	26.10	8182	485	5.90
2/23/2018 9:00	65.20	7320	170	2.30
2/23/2018 10:00	65.90	6975	145	2.10
2/23/2018 11:00	66.40	6793	176	2.60
2/23/2018 12:00	66.30	6756	169	2.50
2/23/2018 13:00	66.90	6495	133	2.00
2/23/2018 14:00	66.70	6633	141	2.10
2/23/2018 15:00	68.00	6565	125	1.90
2/23/2018 16:00	68.50	6655	131	2.00
2/23/2018 17:00	67.30	6580	145	2.20
2/23/2018 18:00	67.10	5674	121	2.10
2/23/2018 19:00	67.50	4422	76	1.70
2/23/2018 20:00	69.30	3456	42	1.20
2/23/2018 21:00	69.40	2879	25	0.90
2/23/2018 22:00	69.10	2333	18	0.80
2/23/2018 23:00	69.50	1465	8	0.50
2/24/2018 0:00	69.70	978	5	0.50
2/24/2018 1:00	69.50	686	1	0.10
2/24/2018 2:00	69.20	485	6	1.20
2/24/2018 3:00	68.90	448	6	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/24/2018 4:00	69.20	710	1	0.10
2/24/2018 5:00	69.30	1421	6	0.40
2/24/2018 6:00	69.30	2607	34	1.30
2/24/2018 7:00	69.00	3916	77	2.00
2/24/2018 8:00	69.20	5510	76	1.40
2/24/2018 9:00	68.30	6586	93	1.40
2/24/2018 10:00	68.20	6970	101	1.40
2/24/2018 11:00	67.70	7165	99	1.40
2/24/2018 12:00	67.20	7191	108	1.50
2/24/2018 13:00	66.50	7100	131	1.80
2/24/2018 14:00	26.40	6160	249	4.00
2/24/2018 15:00	63.20	6396	111	1.70
2/24/2018 16:00	68.10	6222	99	1.60
2/24/2018 17:00	67.30	6196	127	2.00
2/24/2018 18:00	66.80	5331	96	1.80
2/24/2018 19:00	68.40	4038	66	1.60
2/24/2018 20:00	69.70	3196	29	0.90
2/24/2018 21:00	70.40	2870	19	0.70
2/24/2018 22:00	69.50	2253	15	0.70
2/24/2018 23:00	69.80	1487	8	0.50
2/25/2018 0:00	69.60	989	2	0.20
2/25/2018 1:00	69.70	754	1	0.10
2/25/2018 2:00	69.80	550	1	0.20
2/25/2018 3:00	69.70	402	0	0.00
2/25/2018 4:00	69.60	548	3	0.50
2/25/2018 5:00	69.50	983	5	0.50
2/25/2018 6:00	70.20	1746	4	0.20
2/25/2018 7:00	69.50	2395	10	0.40
2/25/2018 8:00	69.20	3840	34	0.90
2/25/2018 9:00	67.10	5603	78	1.40
2/25/2018 10:00	66.70	6351	98	1.50
2/25/2018 11:00	67.00	6865	94	1.40
2/25/2018 12:00	67.00	6941	88	1.30
2/25/2018 13:00	66.70	6591	109	1.70
2/25/2018 14:00	66.80	6053	69	1.10
2/25/2018 15:00	68.00	5489	68	1.20
2/25/2018 16:00	68.70	5481	54	1.00
2/25/2018 17:00	68.40	4956	78	1.60
2/25/2018 18:00	68.60	4153	38	0.90
2/25/2018 19:00	68.50	3245	32	1.00
2/25/2018 20:00	68.70	2713	21	0.80
2/25/2018 21:00	69.40	1971	16	0.80
2/25/2018 22:00	69.70	1467	8	0.50
2/25/2018 23:00	69.80	976	3	0.30
2/26/2018 0:00	69.60	563	2	0.40
2/26/2018 1:00	69.60	357	2	0.60
2/26/2018 2:00	69.60	295	0	0.00
2/26/2018 3:00	69.60	429	3	0.70
2/26/2018 4:00	70.30	1266	6	0.50
2/26/2018 5:00	70.50	4601	38	0.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/26/2018 6:00	64.90	9771	207	2.10
2/26/2018 7:00	25.00	9013	932	10.30
2/26/2018 8:00	25.10	8238	142	1.70
2/26/2018 9:00	65.90	6833	140	2.00
2/26/2018 10:00	66.70	6389	145	2.30
2/26/2018 11:00	66.70	6124	136	2.20
2/26/2018 12:00	66.60	5903	121	2.00
2/26/2018 13:00	66.90	6168	137	2.20
2/26/2018 14:00	66.70	6184	124	2.00
2/26/2018 15:00	67.60	6318	115	1.80
2/26/2018 16:00	68.00	6031	111	1.80
2/26/2018 17:00	68.30	6294	121	1.90
2/26/2018 18:00	66.10	5163	105	2.00
2/26/2018 19:00	67.40	3669	54	1.50
2/26/2018 20:00	68.20	2867	36	1.30
2/26/2018 21:00	69.10	2336	20	0.90
2/26/2018 22:00	69.50	1619	10	0.60
2/26/2018 23:00	68.40	1909	37	1.90
2/27/2018 0:00	69.10	568	6	1.10
2/27/2018 1:00	69.00	324	2	0.60
2/27/2018 2:00	68.70	268	3	1.10
2/27/2018 3:00	67.60	451	12	2.70
2/27/2018 4:00	65.90	1245	10	0.80
2/27/2018 5:00	65.40	4783	52	1.10
2/27/2018 6:00	55.30	8426	270	3.20
2/27/2018 7:00	20.30	8062	381	4.70
2/27/2018 8:00	28.80	8226	212	2.60
2/27/2018 9:00	64.20	6673	153	2.30
2/27/2018 10:00	67.00	6048	103	1.70
2/27/2018 11:00	66.80	5836	111	1.90
2/27/2018 12:00	68.00	5847	114	1.90
2/27/2018 13:00	67.70	5739	95	1.70
2/27/2018 14:00	67.60	6159	134	2.20
2/27/2018 15:00	67.60	6342	90	1.40
2/27/2018 16:00	68.70	6212	97	1.60
2/27/2018 17:00	68.40	6613	111	1.70
2/27/2018 18:00	66.70	5466	100	1.80
2/27/2018 19:00	68.00	4053	68	1.70
2/27/2018 20:00	68.80	2886	48	1.70
2/27/2018 21:00	68.90	2331	22	0.90
2/27/2018 22:00	69.20	2490	24	1.00
2/27/2018 23:00	69.40	956	9	0.90
2/28/2018 0:00	69.60	517	5	1.00
2/28/2018 1:00	69.40	325	6	1.80
2/28/2018 2:00	69.50	271	7	2.60
2/28/2018 3:00	69.30	446	1	0.20
2/28/2018 4:00	68.80	1277	14	1.10
2/28/2018 5:00	70.40	4716	48	1.00
2/28/2018 6:00	60.00	9788	230	2.30
2/28/2018 7:00	21.70	8802	651	7.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
2/28/2018 8:00	22.40	8583	466	5.40
2/28/2018 9:00	50.20	7623	211	2.80
2/28/2018 10:00	66.70	6541	143	2.20
2/28/2018 11:00	67.20	6423	104	1.60
2/28/2018 12:00	67.10	6596	140	2.10
2/28/2018 13:00	66.90	6139	135	2.20
2/28/2018 14:00	67.80	6179	117	1.90
2/28/2018 15:00	68.20	6445	118	1.80
2/28/2018 16:00	68.20	6477	110	1.70
2/28/2018 17:00	67.60	6712	126	1.90
2/28/2018 18:00	66.30	5617	138	2.50
2/28/2018 19:00	67.60	3920	58	1.50
2/28/2018 20:00	68.80	3095	47	1.50
2/28/2018 21:00	69.50	2681	25	0.90
2/28/2018 22:00	69.40	1722	11	0.60
2/28/2018 23:00	69.10	928	8	0.90
3/01/2018 0:00	69.90	586	1	0.20
3/01/2018 1:00	69.60	311	0	0.00
3/01/2018 2:00	69.60	336	4	1.20
3/01/2018 3:00	68.90	464	11	2.40
3/01/2018 4:00	69.80	1335	15	1.10
3/01/2018 5:00	70.50	4897	40	0.80
3/01/2018 6:00	62.90	9644	233	2.40
3/01/2018 7:00	25.40	8363	255	3.00
3/01/2018 8:00	43.10	8269	197	2.40
3/01/2018 9:00	63.80	7905	204	2.60
3/01/2018 10:00	66.80	6579	137	2.10
3/01/2018 11:00	66.60	6300	133	2.10
3/01/2018 12:00	66.60	6237	144	2.30
3/01/2018 13:00	66.60	6080	130	2.10
3/01/2018 14:00	66.90	6705	156	2.30
3/01/2018 15:00	67.90	6568	144	2.20
3/01/2018 16:00	68.00	6666	112	1.70
3/01/2018 17:00	67.00	7023	149	2.10
3/01/2018 18:00	67.00	5796	104	1.80
3/01/2018 19:00	68.00	4202	80	1.90
3/01/2018 20:00	68.80	3204	45	1.40
3/01/2018 21:00	69.00	2641	33	1.20
3/01/2018 22:00	70.00	1767	6	0.30
3/01/2018 23:00	69.80	1079	6	0.60
3/02/2018 0:00	69.40	601	7	1.20
3/02/2018 1:00	69.30	428	2	0.50
3/02/2018 2:00	69.30	338	6	1.80
3/02/2018 3:00	69.20	539	7	1.30
3/02/2018 4:00	69.10	1255	9	0.70
3/02/2018 5:00	70.30	4363	39	0.90
3/02/2018 6:00	64.20	9222	199	2.20
3/02/2018 7:00	59.30	9474	194	2.00
3/02/2018 8:00	64.80	7974	176	2.20
3/02/2018 9:00	66.00	7419	182	2.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/02/2018 10:00	66.40	6892	151	2.20
3/02/2018 11:00	66.40	6982	162	2.30
3/02/2018 12:00	66.50	6891	146	2.10
3/02/2018 13:00	66.30	6663	183	2.70
3/02/2018 14:00	66.80	6863	160	2.30
3/02/2018 15:00	63.80	6616	143	2.20
3/02/2018 16:00	67.80	6927	140	2.00
3/02/2018 17:00	67.70	6805	136	2.00
3/02/2018 18:00	66.60	5955	96	1.60
3/02/2018 19:00	66.80	4490	87	1.90
3/02/2018 20:00	68.70	3386	49	1.40
3/02/2018 21:00	68.80	3159	38	1.20
3/02/2018 22:00	69.40	2354	22	0.90
3/02/2018 23:00	69.50	1616	4	0.20
3/03/2018 0:00	69.40	963	3	0.30
3/03/2018 1:00	69.20	718	3	0.40
3/03/2018 2:00	69.40	537	1	0.20
3/03/2018 3:00	69.30	438	2	0.50
3/03/2018 4:00	69.30	650	0	0.00
3/03/2018 5:00	69.70	1349	8	0.60
3/03/2018 6:00	70.30	2531	23	0.90
3/03/2018 7:00	69.40	3814	29	0.80
3/03/2018 8:00	68.70	5238	74	1.40
3/03/2018 9:00	59.00	5679	103	1.80
3/03/2018 10:00	62.10	5409	78	1.40
3/03/2018 11:00	66.20	6433	97	1.50
3/03/2018 12:00	67.00	6610	110	1.70
3/03/2018 13:00	67.20	6668	110	1.60
3/03/2018 14:00	67.50	5989	74	1.20
3/03/2018 15:00	67.90	6087	91	1.50
3/03/2018 16:00	68.30	5997	73	1.20
3/03/2018 17:00	68.10	5515	59	1.10
3/03/2018 18:00	66.20	5149	75	1.50
3/03/2018 19:00	67.50	3821	52	1.40
3/03/2018 20:00	68.70	3124	34	1.10
3/03/2018 21:00	68.60	3756	48	1.30
3/03/2018 22:00	68.80	2316	25	1.10
3/03/2018 23:00	69.30	1465	4	0.30
3/04/2018 0:00	69.30	1060	4	0.40
3/04/2018 1:00	69.30	728	4	0.50
3/04/2018 2:00	69.60	634	1	0.20
3/04/2018 3:00	69.50	407	0	0.00
3/04/2018 4:00	69.50	490	2	0.40
3/04/2018 5:00	69.60	1065	0	0.00
3/04/2018 6:00	70.00	1774	5	0.30
3/04/2018 7:00	69.40	2501	11	0.40
3/04/2018 8:00	69.00	3824	21	0.50
3/04/2018 9:00	68.00	5520	65	1.20
3/04/2018 10:00	66.70	6271	78	1.20
3/04/2018 11:00	66.00	6548	99	1.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/04/2018 12:00	65.70	6623	113	1.70
3/04/2018 13:00	65.70	6539	97	1.50
3/04/2018 14:00	66.90	6052	108	1.80
3/04/2018 15:00	67.50	5685	66	1.20
3/04/2018 16:00	67.00	5592	94	1.70
3/04/2018 17:00	67.40	4840	55	1.10
3/04/2018 18:00	66.50	4181	48	1.10
3/04/2018 19:00	67.80	3187	38	1.20
3/04/2018 20:00	68.80	2510	10	0.40
3/04/2018 21:00	69.50	2230	15	0.70
3/04/2018 22:00	70.70	1525	6	0.40
3/04/2018 23:00	69.50	971	4	0.40
3/05/2018 0:00	69.40	579	1	0.20
3/05/2018 1:00	69.40	347	3	0.90
3/05/2018 2:00	69.30	315	2	0.60
3/05/2018 3:00	69.50	440	1	0.20
3/05/2018 4:00	70.50	1230	5	0.40
3/05/2018 5:00	70.30	4592	41	0.90
3/05/2018 6:00	63.20	9454	409	4.30
3/05/2018 7:00	24.70	8828	794	9.00
3/05/2018 8:00	27.90	8138	278	3.40
3/05/2018 9:00	67.20	6941	115	1.70
3/05/2018 10:00	67.40	6415	154	2.40
3/05/2018 11:00	67.00	6057	93	1.50
3/05/2018 12:00	66.90	5999	128	2.10
3/05/2018 13:00	67.50	5946	118	2.00
3/05/2018 14:00	68.00	6107	147	2.40
3/05/2018 15:00	68.50	6366	108	1.70
3/05/2018 16:00	69.80	6064	95	1.60
3/05/2018 17:00	69.40	6082	117	1.90
3/05/2018 18:00	68.00	5013	108	2.20
3/05/2018 19:00	69.00	3668	51	1.40
3/05/2018 20:00	69.90	2750	33	1.20
3/05/2018 21:00	69.80	2244	15	0.70
3/05/2018 22:00	69.90	1569	7	0.40
3/05/2018 23:00	69.30	916	6	0.70
3/06/2018 0:00	69.50	513	2	0.40
3/06/2018 1:00	69.50	299	1	0.30
3/06/2018 2:00	69.30	281	3	1.10
3/06/2018 3:00	69.20	466	6	1.30
3/06/2018 4:00	69.30	1274	11	0.90
3/06/2018 5:00	69.80	4812	48	1.00
3/06/2018 6:00	51.00	8827	193	2.20
3/06/2018 7:00	39.40	9221	140	1.50
3/06/2018 8:00	25.50	8562	402	4.70
3/06/2018 9:00	62.50	7424	143	1.90
3/06/2018 10:00	66.70	6647	144	2.20
3/06/2018 11:00	67.20	6022	113	1.90
3/06/2018 12:00	68.00	6000	103	1.70
3/06/2018 13:00	67.90	6209	145	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/06/2018 14:00	67.60	6413	142	2.20
3/06/2018 15:00	67.10	6712	138	2.10
3/06/2018 16:00	68.20	6519	119	1.80
3/06/2018 17:00	67.80	6837	145	2.10
3/06/2018 18:00	67.00	5661	111	2.00
3/06/2018 19:00	68.70	4026	62	1.50
3/06/2018 20:00	69.30	2986	35	1.20
3/06/2018 21:00	69.60	2544	30	1.20
3/06/2018 22:00	69.40	1600	7	0.40
3/06/2018 23:00	69.10	948	9	0.90
3/07/2018 0:00	69.20	515	4	0.80
3/07/2018 1:00	68.90	356	5	1.40
3/07/2018 2:00	69.30	287	3	1.00
3/07/2018 3:00	69.10	462	2	0.40
3/07/2018 4:00	69.50	1252	10	0.80
3/07/2018 5:00	70.00	4861	44	0.90
3/07/2018 6:00	53.00	9592	197	2.10
3/07/2018 7:00	25.70	9140	719	7.90
3/07/2018 8:00	26.50	8610	478	5.60
3/07/2018 9:00	64.60	7242	142	2.00
3/07/2018 10:00	66.60	6675	129	1.90
3/07/2018 11:00	66.80	6469	144	2.20
3/07/2018 12:00	66.80	6431	156	2.40
3/07/2018 13:00	67.20	5424	99	1.80
3/07/2018 14:00	67.40	5612	113	2.00
3/07/2018 15:00	68.10	5774	116	2.00
3/07/2018 16:00	69.10	5478	86	1.60
3/07/2018 17:00	69.40	5565	97	1.70
3/07/2018 18:00	66.70	4816	102	2.10
3/07/2018 19:00	67.70	3604	59	1.60
3/07/2018 20:00	69.60	2907	36	1.20
3/07/2018 21:00	69.30	2576	30	1.20
3/07/2018 22:00	69.50	1680	14	0.80
3/07/2018 23:00	69.60	917	6	0.70
3/08/2018 0:00	69.40	576	5	0.90
3/08/2018 1:00	69.10	361	2	0.60
3/08/2018 2:00	69.60	303	3	1.00
3/08/2018 3:00	69.10	456	6	1.30
3/08/2018 4:00	69.50	1290	11	0.90
3/08/2018 5:00	69.90	4791	43	0.90
3/08/2018 6:00	56.30	9540	339	3.60
3/08/2018 7:00	23.60	8593	554	6.40
3/08/2018 8:00	23.10	8262	234	2.80
3/08/2018 9:00	59.40	7605	226	3.00
3/08/2018 10:00	67.30	6596	140	2.10
3/08/2018 11:00	67.20	6329	121	1.90
3/08/2018 12:00	66.90	6430	137	2.10
3/08/2018 13:00	66.80	6158	148	2.40
3/08/2018 14:00	66.70	6577	154	2.30
3/08/2018 15:00	67.50	6687	165	2.50



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/08/2018 16:00	69.20	6966	123	1.80
3/08/2018 17:00	67.10	6954	156	2.20
3/08/2018 18:00	65.60	6398	133	2.10
3/08/2018 19:00	67.20	4426	116	2.60
3/08/2018 20:00	70.10	3076	43	1.40
3/08/2018 21:00	68.80	2839	21	0.70
3/08/2018 22:00	69.60	1957	11	0.60
3/08/2018 23:00	70.10	1191	13	1.10
3/09/2018 0:00	70.20	681	2	0.30
3/09/2018 1:00	69.00	393	2	0.50
3/09/2018 2:00	69.80	343	2	0.60
3/09/2018 3:00	69.60	501	11	2.20
3/09/2018 4:00	68.90	1193	7	0.60
3/09/2018 5:00	69.80	4063	89	2.20
3/09/2018 6:00	63.30	9100	212	2.30
3/09/2018 7:00	35.90	9248	236	2.60
3/09/2018 8:00	35.00	8302	273	3.30
3/09/2018 9:00	67.20	7356	168	2.30
3/09/2018 10:00	65.90	7174	159	2.20
3/09/2018 11:00	65.40	7180	182	2.50
3/09/2018 12:00	66.30	7309	182	2.50
3/09/2018 13:00	66.60	6313	212	3.40
3/09/2018 14:00	66.50	6874	122	1.80
3/09/2018 15:00	68.00	6473	123	1.90
3/09/2018 16:00	68.20	6957	132	1.90
3/09/2018 17:00	68.30	7018	115	1.60
3/09/2018 18:00	66.80	5701	92	1.60
3/09/2018 19:00	68.70	4478	105	2.30
3/09/2018 20:00	68.40	3617	70	1.90
3/09/2018 21:00	69.40	3063	25	0.80
3/09/2018 22:00	69.50	2320	30	1.30
3/09/2018 23:00	70.10	1632	22	1.30
3/10/2018 0:00	69.50	971	0	0.00
3/10/2018 1:00	69.50	690	0	0.00
3/10/2018 2:00	69.50	542	2	0.40
3/10/2018 3:00	69.20	454	1	0.20
3/10/2018 4:00	69.40	675	0	0.00
3/10/2018 5:00	69.60	1409	7	0.50
3/10/2018 6:00	69.90	2602	17	0.70
3/10/2018 7:00	69.30	3893	38	1.00
3/10/2018 8:00	69.00	5399	78	1.40
3/10/2018 9:00	68.10	6356	119	1.90
3/10/2018 10:00	67.60	6606	103	1.60
3/10/2018 11:00	67.30	6962	101	1.50
3/10/2018 12:00	67.10	6979	110	1.60
3/10/2018 13:00	67.10	6883	108	1.60
3/10/2018 14:00	67.50	6239	120	1.90
3/10/2018 15:00	67.80	6488	100	1.50
3/10/2018 16:00	68.50	6156	88	1.40
3/10/2018 17:00	67.80	5859	86	1.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/10/2018 18:00	66.60	5287	77	1.50
3/10/2018 19:00	68.40	3927	56	1.40
3/10/2018 20:00	69.40	3133	22	0.70
3/10/2018 21:00	69.60	2918	15	0.50
3/10/2018 22:00	69.30	2257	13	0.60
3/10/2018 23:00	69.70	1504	5	0.30
3/11/2018 0:00	69.70	1016	0	0.00
3/11/2018 1:00	69.70	754	0	0.00
3/11/2018 3:00	69.70	382	0	0.00
3/11/2018 4:00	69.70	494	0	0.00
3/11/2018 5:00	69.50	1015	3	0.30
3/11/2018 6:00	70.00	1777	1	0.10
3/11/2018 7:00	69.50	2498	10	0.40
3/11/2018 8:00	69.20	3834	26	0.70
3/11/2018 9:00	68.00	5562	59	1.10
3/11/2018 10:00	67.10	6439	90	1.40
3/11/2018 11:00	66.70	6638	90	1.40
3/11/2018 12:00	66.70	6796	81	1.20
3/11/2018 13:00	66.20	6489	105	1.60
3/11/2018 14:00	67.20	5981	66	1.10
3/11/2018 15:00	67.90	5625	62	1.10
3/11/2018 16:00	68.30	5559	80	1.40
3/11/2018 17:00	68.30	4894	58	1.20
3/11/2018 18:00	67.40	4229	50	1.20
3/11/2018 19:00	68.20	3259	33	1.00
3/11/2018 20:00	68.80	2619	17	0.60
3/11/2018 21:00	69.50	2156	10	0.50
3/11/2018 22:00	69.70	1560	7	0.40
3/11/2018 23:00	69.70	986	0	0.00
3/12/2018 0:00	69.40	598	1	0.20
3/12/2018 1:00	69.50	376	0	0.00
3/12/2018 2:00	69.50	316	0	0.00
3/12/2018 3:00	69.40	458	1	0.20
3/12/2018 4:00	70.20	1192	1	0.10
3/12/2018 5:00	70.20	4440	28	0.60
3/12/2018 6:00	64.20	9140	277	3.00
3/12/2018 7:00	26.40	8657	1017	11.70
3/12/2018 8:00	32.00	7984	217	2.70
3/12/2018 9:00	66.50	6712	134	2.00
3/12/2018 10:00	67.10	6398	124	1.90
3/12/2018 11:00	67.10	6150	111	1.80
3/12/2018 12:00	66.90	6118	120	2.00
3/12/2018 13:00	67.10	6126	127	2.10
3/12/2018 14:00	67.50	6146	135	2.20
3/12/2018 15:00	68.00	6287	107	1.70
3/12/2018 16:00	68.50	5952	111	1.90
3/12/2018 17:00	68.50	6068	109	1.80
3/12/2018 18:00	66.80	4993	99	2.00
3/12/2018 19:00	68.30	3630	55	1.50
3/12/2018 20:00	69.10	2769	32	1.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/12/2018 21:00	69.10	2262	16	0.70
3/12/2018 22:00	69.70	1560	5	0.30
3/12/2018 23:00	69.50	995	5	0.50
3/13/2018 0:00	69.40	513	2	0.40
3/13/2018 1:00	69.40	292	0	0.00
3/13/2018 2:00	69.30	260	5	1.90
3/13/2018 3:00	69.20	443	5	1.10
3/13/2018 4:00	69.00	1265	15	1.20
3/13/2018 5:00	69.80	4780	71	1.50
3/13/2018 6:00	56.40	8589	290	3.40
3/13/2018 7:00	24.40	8668	322	3.70
3/13/2018 8:00	23.00	8508	238	2.80
3/13/2018 9:00	61.40	7289	182	2.50
3/13/2018 10:00	67.10	6442	128	2.00
3/13/2018 11:00	67.10	6043	119	2.00
3/13/2018 12:00	67.70	6109	116	1.90
3/13/2018 13:00	67.40	6007	103	1.70
3/13/2018 14:00	67.20	6376	132	2.10
3/13/2018 15:00	67.50	6546	118	1.80
3/13/2018 16:00	68.50	6370	112	1.80
3/13/2018 17:00	67.40	6729	158	2.30
3/13/2018 18:00	67.00	5498	101	1.80
3/13/2018 19:00	68.40	4026	56	1.40
3/13/2018 20:00	69.10	2986	46	1.50
3/13/2018 21:00	69.30	2512	22	0.90
3/13/2018 22:00	69.50	1700	6	0.40
3/13/2018 23:00	69.30	923	3	0.30
3/14/2018 0:00	69.40	549	4	0.70
3/14/2018 1:00	69.10	362	2	0.60
3/14/2018 2:00	68.90	293	3	1.00
3/14/2018 3:00	68.90	445	4	0.90
3/14/2018 4:00	69.60	1316	6	0.50
3/14/2018 5:00	69.00	4553	36	0.80
3/14/2018 6:00	49.00	8748	345	3.90
3/14/2018 7:00	30.10	8280	890	10.70
3/14/2018 8:00	20.80	8573	595	6.90
3/14/2018 9:00	29.90	7563	752	9.90
3/14/2018 10:00	66.40	6622	137	2.10
3/14/2018 11:00	67.00	6427	129	2.00
3/14/2018 12:00	67.30	6518	139	2.10
3/14/2018 13:00	66.80	6141	115	1.90
3/14/2018 14:00	67.60	6147	124	2.00
3/14/2018 15:00	67.30	6445	104	1.60
3/14/2018 16:00	68.80	6384	72	1.10
3/14/2018 17:00	69.40	6801	103	1.50
3/14/2018 18:00	69.00	5868	118	2.00
3/14/2018 19:00	67.40	4412	80	1.80
3/14/2018 20:00	68.30	3466	50	1.40
3/14/2018 21:00	69.20	2970	23	0.80
3/14/2018 22:00	69.50	1793	11	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/14/2018 23:00	69.00	1054	7	0.70
3/15/2018 0:00	69.60	643	1	0.20
3/15/2018 1:00	69.60	388	0	0.00
3/15/2018 2:00	69.30	298	3	1.00
3/15/2018 3:00	69.20	450	2	0.40
3/15/2018 4:00	67.00	1324	8	0.60
3/15/2018 5:00	65.30	4621	50	1.10
3/15/2018 6:00	47.60	8626	370	4.30
3/15/2018 7:00	35.70	9075	622	6.90
3/15/2018 8:00	39.60	9090	1152	12.70
3/15/2018 9:00	58.80	7380	185	2.50
3/15/2018 10:00	65.20	6579	111	1.70
3/15/2018 11:00	64.90	6451	114	1.80
3/15/2018 12:00	64.80	6406	141	2.20
3/15/2018 13:00	64.60	6250	128	2.00
3/15/2018 14:00	65.60	6779	156	2.30
3/15/2018 15:00	66.70	6892	129	1.90
3/15/2018 16:00	67.70	6650	126	1.90
3/15/2018 17:00	67.40	6688	129	1.90
3/15/2018 18:00	66.90	5697	153	2.70
3/15/2018 19:00	66.80	4675	84	1.80
3/15/2018 20:00	67.90	3768	43	1.10
3/15/2018 21:00	68.10	2879	23	0.80
3/15/2018 22:00	68.80	1944	17	0.90
3/15/2018 23:00	69.50	1239	8	0.60
3/16/2018 0:00	69.40	738	4	0.50
3/16/2018 1:00	69.70	506	1	0.20
3/16/2018 2:00	69.40	447	5	1.10
3/16/2018 3:00	69.30	502	3	0.60
3/16/2018 4:00	69.60	1212	4	0.30
3/16/2018 5:00	70.40	4192	32	0.80
3/16/2018 6:00	61.40	8387	194	2.30
3/16/2018 7:00	55.10	9270	176	1.90
3/16/2018 8:00	58.70	8199	250	3.00
3/16/2018 9:00	65.30	7444	195	2.60
3/16/2018 10:00	66.00	7186	156	2.20
3/16/2018 11:00	65.70	6829	137	2.00
3/16/2018 12:00	66.30	6848	143	2.10
3/16/2018 13:00	65.40	6836	173	2.50
3/16/2018 14:00	66.10	6856	154	2.20
3/16/2018 15:00	66.60	6878	135	2.00
3/16/2018 16:00	66.30	6934	134	1.90
3/16/2018 17:00	67.70	6671	108	1.60
3/16/2018 18:00	67.90	6193	108	1.70
3/16/2018 19:00	67.30	4979	87	1.70
3/16/2018 20:00	66.70	3955	53	1.30
3/16/2018 21:00	66.40	4310	97	2.30
3/16/2018 22:00	67.60	2755	17	0.60
3/16/2018 23:00	69.80	1654	5	0.30
3/17/2018 0:00	69.90	1039	4	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/17/2018 1:00	69.30	765	2	0.30
3/17/2018 2:00	68.90	538	5	0.90
3/17/2018 3:00	69.40	450	3	0.70
3/17/2018 4:00	69.20	706	2	0.30
3/17/2018 5:00	66.50	1322	13	1.00
3/17/2018 6:00	63.80	2191	7	0.30
3/17/2018 7:00	65.20	3330	38	1.10
3/17/2018 8:00	65.10	5018	106	2.10
3/17/2018 9:00	67.00	5899	99	1.70
3/17/2018 10:00	67.30	6075	76	1.30
3/17/2018 11:00	67.70	6741	116	1.70
3/17/2018 12:00	67.10	6870	102	1.50
3/17/2018 13:00	66.90	6854	110	1.60
3/17/2018 14:00	66.50	6695	100	1.50
3/17/2018 15:00	67.00	5939	88	1.50
3/17/2018 16:00	67.80	6165	77	1.20
3/17/2018 17:00	68.60	6069	77	1.30
3/17/2018 18:00	68.80	5224	57	1.10
3/17/2018 19:00	68.90	3951	42	1.10
3/17/2018 20:00	69.00	3331	29	0.90
3/17/2018 21:00	62.80	2568	22	0.90
3/17/2018 22:00	67.90	2474	27	1.10
3/17/2018 23:00	68.00	1764	14	0.80
3/18/2018 0:00	70.10	1116	7	0.60
3/18/2018 1:00	69.60	885	1	0.10
3/18/2018 2:00	70.10	686	2	0.30
3/18/2018 3:00	69.70	518	1	0.20
3/18/2018 4:00	69.70	599	3	0.50
3/18/2018 5:00	69.40	1108	6	0.50
3/18/2018 6:00	69.20	1692	1	0.10
3/18/2018 7:00	69.70	2195	14	0.60
3/18/2018 8:00	68.80	3602	37	1.00
3/18/2018 9:00	67.90	5158	44	0.90
3/18/2018 10:00	67.60	6071	74	1.20
3/18/2018 11:00	66.70	6517	83	1.30
3/18/2018 12:00	65.50	6752	66	1.00
3/18/2018 13:00	66.10	6620	97	1.50
3/18/2018 14:00	66.70	6130	82	1.30
3/18/2018 15:00	66.60	5895	70	1.20
3/18/2018 16:00	67.00	5548	58	1.00
3/18/2018 17:00	67.60	4962	51	1.00
3/18/2018 18:00	67.80	4791	51	1.10
3/18/2018 19:00	67.70	3679	44	1.20
3/18/2018 20:00	67.30	3753	58	1.50
3/18/2018 21:00	67.60	3194	50	1.60
3/18/2018 22:00	69.40	1743	8	0.50
3/18/2018 23:00	70.00	1067	3	0.30
3/19/2018 0:00	69.70	600	1	0.20
3/19/2018 1:00	69.50	376	3	0.80
3/19/2018 2:00	69.60	295	1	0.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/19/2018 3:00	69.10	446	3	0.70
3/19/2018 4:00	69.50	1248	9	0.70
3/19/2018 5:00	70.30	4517	32	0.70
3/19/2018 6:00	61.90	9185	228	2.50
3/19/2018 7:00	29.60	9183	684	7.40
3/19/2018 8:00	36.50	8249	319	3.90
3/19/2018 9:00	66.40	6952	135	1.90
3/19/2018 10:00	67.20	6284	125	2.00
3/19/2018 11:00	67.70	6115	111	1.80
3/19/2018 12:00	66.70	6224	120	1.90
3/19/2018 13:00	66.60	6187	123	2.00
3/19/2018 14:00	66.10	6249	130	2.10
3/19/2018 15:00	66.60	6369	108	1.70
3/19/2018 16:00	68.00	6026	89	1.50
3/19/2018 17:00	68.60	6209	102	1.60
3/19/2018 18:00	69.00	5330	98	1.80
3/19/2018 19:00	68.70	3909	38	1.00
3/19/2018 20:00	69.20	3008	25	0.80
3/19/2018 21:00	69.30	2477	18	0.70
3/19/2018 22:00	69.40	1567	5	0.30
3/19/2018 23:00	69.80	997	6	0.60
3/20/2018 0:00	69.90	575	1	0.20
3/20/2018 1:00	69.90	347	1	0.30
3/20/2018 2:00	70.30	323	5	1.50
3/20/2018 3:00	70.30	448	1	0.20
3/20/2018 4:00	72.20	1279	8	0.60
3/20/2018 5:00	75.50	4728	41	0.90
3/20/2018 6:00	60.80	9479	257	2.70
3/20/2018 7:00	23.50	8795	1240	14.10
3/20/2018 8:00	20.50	8422	583	6.90
3/20/2018 9:00	46.90	7324	160	2.20
3/20/2018 10:00	66.50	6651	150	2.30
3/20/2018 11:00	66.80	6319	142	2.20
3/20/2018 12:00	66.60	6623	160	2.40
3/20/2018 13:00	66.40	6288	121	1.90
3/20/2018 14:00	67.40	6341	136	2.10
3/20/2018 15:00	68.10	6726	129	1.90
3/20/2018 16:00	69.30	6575	122	1.90
3/20/2018 17:00	69.60	6810	107	1.60
3/20/2018 18:00	69.90	5604	105	1.90
3/20/2018 19:00	68.80	4285	70	1.60
3/20/2018 20:00	69.30	3120	31	1.00
3/20/2018 21:00	69.30	2687	26	1.00
3/20/2018 22:00	69.60	1725	14	0.80
3/20/2018 23:00	69.90	968	4	0.40
3/21/2018 0:00	69.60	552	3	0.50
3/21/2018 1:00	69.10	357	0	0.00
3/21/2018 2:00	69.30	323	3	0.90
3/21/2018 3:00	69.50	469	2	0.40
3/21/2018 4:00	70.10	1280	10	0.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/21/2018 5:00	70.00	4655	33	0.70
3/21/2018 6:00	47.50	9349	294	3.10
3/21/2018 7:00	26.60	9148	734	8.00
3/21/2018 8:00	16.50	7667	861	11.20
3/21/2018 9:00	37.30	7610	227	3.00
3/21/2018 10:00	66.50	6686	136	2.00
3/21/2018 11:00	65.80	6656	161	2.40
3/21/2018 12:00	66.10	6691	130	1.90
3/21/2018 13:00	65.60	6367	135	2.10
3/21/2018 14:00	67.20	6649	166	2.50
3/21/2018 15:00	68.00	6559	107	1.60
3/21/2018 16:00	69.00	6469	110	1.70
3/21/2018 17:00	69.90	6772	90	1.30
3/21/2018 18:00	69.90	5857	91	1.60
3/21/2018 19:00	68.90	4283	56	1.30
3/21/2018 20:00	69.10	3404	38	1.10
3/21/2018 21:00	69.40	2732	31	1.10
3/21/2018 22:00	70.40	1800	3	0.20
3/21/2018 23:00	69.60	1141	2	0.20
3/22/2018 0:00	69.90	614	1	0.20
3/22/2018 1:00	69.60	365	0	0.00
3/22/2018 2:00	69.20	320	6	1.90
3/22/2018 3:00	69.10	450	2	0.40
3/22/2018 4:00	69.80	1328	8	0.60
3/22/2018 5:00	69.50	4609	34	0.70
3/22/2018 6:00	51.90	9228	273	3.00
3/22/2018 7:00	20.80	8794	277	3.10
3/22/2018 8:00	22.50	8183	318	3.90
3/22/2018 9:00	64.00	7049	122	1.70
3/22/2018 10:00	63.40	6695	180	2.70
3/22/2018 11:00	65.50	6453	123	1.90
3/22/2018 12:00	65.70	6579	119	1.80
3/22/2018 13:00	66.50	6325	149	2.40
3/22/2018 14:00	65.10	6399	124	1.90
3/22/2018 15:00	67.10	6616	110	1.70
3/22/2018 16:00	68.20	6633	106	1.60
3/22/2018 17:00	68.50	6702	122	1.80
3/22/2018 18:00	68.60	5655	78	1.40
3/22/2018 19:00	67.70	4429	76	1.70
3/22/2018 20:00	68.00	3324	35	1.10
3/22/2018 21:00	68.50	2666	21	0.80
3/22/2018 22:00	67.80	1764	15	0.90
3/22/2018 23:00	69.00	1131	2	0.20
3/23/2018 0:00	69.30	643	4	0.60
3/23/2018 1:00	69.00	453	3	0.70
3/23/2018 2:00	69.20	386	2	0.50
3/23/2018 3:00	68.60	500	3	0.60
3/23/2018 4:00	69.10	1300	5	0.40
3/23/2018 5:00	69.70	4409	32	0.70
3/23/2018 6:00	38.10	7848	335	4.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/23/2018 7:00	24.00	8672	154	1.80
3/23/2018 8:00	54.60	8610	154	1.80
3/23/2018 9:00	62.10	7254	177	2.40
3/23/2018 10:00	64.40	6954	133	1.90
3/23/2018 11:00	65.10	7191	183	2.50
3/23/2018 12:00	65.20	7154	176	2.50
3/23/2018 13:00	65.50	6733	146	2.20
3/23/2018 14:00	65.70	6889	138	2.00
3/23/2018 15:00	67.20	6585	118	1.80
3/23/2018 16:00	68.20	6426	101	1.60
3/23/2018 17:00	68.80	6363	93	1.50
3/23/2018 18:00	68.90	5787	68	1.20
3/23/2018 19:00	68.60	4629	72	1.60
3/23/2018 20:00	68.50	3696	62	1.70
3/23/2018 21:00	69.40	3077	40	1.30
3/23/2018 22:00	69.60	2417	15	0.60
3/23/2018 23:00	69.80	1586	2	0.10
3/24/2018 0:00	69.70	1011	5	0.50
3/24/2018 1:00	69.70	695	0	0.00
3/24/2018 2:00	69.80	536	3	0.60
3/24/2018 3:00	69.50	503	2	0.40
3/24/2018 4:00	69.40	810	2	0.20
3/24/2018 5:00	69.30	1455	5	0.30
3/24/2018 6:00	68.50	2667	33	1.20
3/24/2018 7:00	68.90	3847	39	1.00
3/24/2018 8:00	68.60	5419	75	1.40
3/24/2018 9:00	67.90	6803	118	1.70
3/24/2018 10:00	67.70	6999	89	1.30
3/24/2018 11:00	67.20	6987	104	1.50
3/24/2018 12:00	66.90	6761	110	1.60
3/24/2018 13:00	67.50	6944	109	1.60
3/24/2018 14:00	67.50	6769	94	1.40
3/24/2018 15:00	68.10	6269	78	1.20
3/24/2018 16:00	68.30	5815	83	1.40
3/24/2018 17:00	68.70	5764	73	1.30
3/24/2018 18:00	69.10	5321	68	1.30
3/24/2018 19:00	68.60	4228	51	1.20
3/24/2018 20:00	68.40	3272	38	1.20
3/24/2018 21:00	70.20	2816	18	0.60
3/24/2018 22:00	70.80	2235	8	0.40
3/24/2018 23:00	70.70	1505	1	0.10
3/25/2018 0:00	70.20	1017	1	0.10
3/25/2018 1:00	70.00	722	0	0.00
3/25/2018 2:00	69.90	574	1	0.20
3/25/2018 3:00	69.90	404	1	0.20
3/25/2018 4:00	69.50	583	0	0.00
3/25/2018 5:00	69.50	1075	3	0.30
3/25/2018 6:00	69.30	1734	6	0.30
3/25/2018 7:00	70.00	2413	9	0.40
3/25/2018 8:00	69.20	3745	28	0.70



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/25/2018 9:00	67.80	5357	36	0.70
3/25/2018 10:00	67.00	6293	56	0.90
3/25/2018 11:00	66.40	6588	69	1.00
3/25/2018 12:00	66.10	6410	68	1.10
3/25/2018 13:00	66.40	6156	51	0.80
3/25/2018 14:00	66.50	5874	60	1.00
3/25/2018 15:00	67.00	5544	63	1.10
3/25/2018 16:00	67.50	5136	54	1.10
3/25/2018 17:00	67.90	4784	49	1.00
3/25/2018 18:00	68.40	4477	52	1.20
3/25/2018 19:00	68.00	3496	45	1.30
3/25/2018 20:00	67.70	2937	34	1.20
3/25/2018 21:00	69.70	2206	11	0.50
3/25/2018 22:00	69.60	1619	5	0.30
3/25/2018 23:00	70.10	1016	3	0.30
3/26/2018 0:00	69.50	621	7	1.10
3/26/2018 1:00	69.60	367	1	0.30
3/26/2018 2:00	69.90	327	1	0.30
3/26/2018 3:00	69.30	449	1	0.20
3/26/2018 4:00	69.80	1287	2	0.20
3/26/2018 5:00	70.30	4101	35	0.90
3/26/2018 6:00	62.70	9078	177	1.90
3/26/2018 7:00	59.70	8955	138	1.50
3/26/2018 8:00	66.00	7403	140	1.90
3/26/2018 9:00	67.00	6850	118	1.70
3/26/2018 10:00	67.10	6550	130	2.00
3/26/2018 11:00	67.00	6202	110	1.80
3/26/2018 12:00	67.40	6041	108	1.80
3/26/2018 13:00	67.20	5897	122	2.10
3/26/2018 14:00	67.50	5776	111	1.90
3/26/2018 15:00	68.60	5475	76	1.40
3/26/2018 16:00	69.80	5533	57	1.00
3/26/2018 17:00	69.60	5741	81	1.40
3/26/2018 18:00	70.20	4710	68	1.40
3/26/2018 19:00	69.00	3477	49	1.40
3/26/2018 20:00	69.10	2735	16	0.60
3/26/2018 21:00	69.80	2043	18	0.90
3/26/2018 22:00	69.70	1460	3	0.20
3/26/2018 23:00	69.90	959	1	0.10
3/27/2018 0:00	69.80	576	3	0.50
3/27/2018 1:00	69.30	419	8	1.90
3/27/2018 2:00	69.30	356	3	0.80
3/27/2018 3:00	69.30	464	4	0.90
3/27/2018 4:00	69.90	1293	8	0.60
3/27/2018 5:00	70.70	4637	61	1.30
3/27/2018 6:00	62.90	9081	161	1.80
3/27/2018 7:00	57.80	9106	143	1.60
3/27/2018 8:00	63.90	7783	113	1.50
3/27/2018 9:00	67.10	7197	112	1.60
3/27/2018 10:00	66.30	6907	130	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/27/2018 11:00	66.90	6679	130	1.90
3/27/2018 12:00	66.10	6557	117	1.80
3/27/2018 13:00	66.40	6158	123	2.00
3/27/2018 14:00	67.20	5891	111	1.90
3/27/2018 15:00	67.30	5666	73	1.30
3/27/2018 16:00	69.10	5801	96	1.70
3/27/2018 17:00	69.80	5844	68	1.20
3/27/2018 18:00	69.70	5061	81	1.60
3/27/2018 19:00	69.50	3921	66	1.70
3/27/2018 20:00	69.00	3018	27	0.90
3/27/2018 21:00	69.20	2355	16	0.70
3/27/2018 22:00	69.50	1645	12	0.70
3/27/2018 23:00	69.10	1032	8	0.80
3/28/2018 0:00	70.00	537	1	0.20
3/28/2018 1:00	69.60	373	1	0.30
3/28/2018 2:00	69.30	302	4	1.30
3/28/2018 3:00	69.50	511	0	0.00
3/28/2018 4:00	69.60	1291	3	0.20
3/28/2018 5:00	70.00	4476	33	0.70
3/28/2018 6:00	62.80	9264	227	2.50
3/28/2018 7:00	60.90	8979	157	1.70
3/28/2018 8:00	64.60	7889	143	1.80
3/28/2018 9:00	65.90	7190	145	2.00
3/28/2018 10:00	65.80	6875	128	1.90
3/28/2018 11:00	67.00	6629	106	1.60
3/28/2018 12:00	66.60	5272	130	2.50
3/28/2018 13:00	65.90	6549	112	1.70
3/28/2018 14:00	66.60	6114	112	1.80
3/28/2018 15:00	67.00	5731	94	1.60
3/28/2018 16:00	68.70	5941	73	1.20
3/28/2018 17:00	68.70	6336	87	1.40
3/28/2018 18:00	69.10	5325	77	1.40
3/28/2018 19:00	68.30	4044	58	1.40
3/28/2018 20:00	69.20	3071	31	1.00
3/28/2018 21:00	68.90	2480	15	0.60
3/28/2018 22:00	69.80	1808	7	0.40
3/28/2018 23:00	69.20	1021	1	0.10
3/29/2018 0:00	69.90	630	2	0.30
3/29/2018 1:00	69.30	366	0	0.00
3/29/2018 2:00	69.60	303	2	0.70
3/29/2018 3:00	69.50	474	4	0.80
3/29/2018 4:00	70.30	1184	5	0.40
3/29/2018 5:00	70.10	4463	35	0.80
3/29/2018 6:00	60.80	8962	298	3.30
3/29/2018 7:00	52.60	8883	470	5.30
3/29/2018 8:00	65.20	7610	144	1.90
3/29/2018 9:00	65.10	7506	146	1.90
3/29/2018 10:00	64.80	7293	168	2.30
3/29/2018 11:00	65.90	7047	136	1.90
3/29/2018 12:00	65.60	6650	129	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/29/2018 13:00	66.70	6391	109	1.70
3/29/2018 14:00	66.70	5902	115	1.90
3/29/2018 15:00	67.00	5758	65	1.10
3/29/2018 16:00	68.00	5842	77	1.30
3/29/2018 17:00	69.00	6164	83	1.30
3/29/2018 18:00	68.90	5175	83	1.60
3/29/2018 19:00	68.30	4209	57	1.40
3/29/2018 20:00	69.20	3232	28	0.90
3/29/2018 21:00	68.70	2635	31	1.20
3/29/2018 22:00	68.80	1935	12	0.60
3/29/2018 23:00	69.10	1238	4	0.30
3/30/2018 0:00	69.80	634	3	0.50
3/30/2018 1:00	69.50	494	4	0.80
3/30/2018 2:00	69.70	358	2	0.60
3/30/2018 3:00	69.20	477	2	0.40
3/30/2018 4:00	69.60	1125	4	0.40
3/30/2018 5:00	69.90	3791	33	0.90
3/30/2018 6:00	65.60	7333	122	1.70
3/30/2018 7:00	65.90	7299	143	2.00
3/30/2018 8:00	66.70	7097	117	1.60
3/30/2018 9:00	66.20	6695	148	2.20
3/30/2018 10:00	66.20	6963	110	1.60
3/30/2018 11:00	65.40	7654	114	1.50
3/30/2018 12:00	65.50	7560	114	1.50
3/30/2018 13:00	66.30	6889	94	1.40
3/30/2018 14:00	66.60	6642	96	1.40
3/30/2018 15:00	67.20	6038	68	1.10
3/30/2018 16:00	68.00	6020	73	1.20
3/30/2018 17:00	69.10	6045	69	1.10
3/30/2018 18:00	69.70	5699	49	0.90
3/30/2018 19:00	69.30	4190	43	1.00
3/30/2018 20:00	68.60	3528	29	0.80
3/30/2018 21:00	68.90	3062	30	1.00
3/30/2018 22:00	69.10	2416	18	0.70
3/30/2018 23:00	69.50	1627	2	0.10
3/31/2018 0:00	69.60	961	5	0.50
3/31/2018 1:00	69.80	657	0	0.00
3/31/2018 2:00	69.80	516	2	0.40
3/31/2018 3:00	69.40	443	3	0.70
3/31/2018 4:00	69.60	622	2	0.30
3/31/2018 5:00	69.90	1291	11	0.90
3/31/2018 6:00	70.50	2211	14	0.60
3/31/2018 7:00	70.10	3351	25	0.70
3/31/2018 8:00	69.90	4861	47	1.00
3/31/2018 9:00	69.20	6222	80	1.30
3/31/2018 10:00	68.30	6688	84	1.30
3/31/2018 11:00	67.40	6933	84	1.20
3/31/2018 12:00	67.10	6910	76	1.10
3/31/2018 13:00	68.10	6709	77	1.10
3/31/2018 14:00	68.00	6205	101	1.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
3/31/2018 15:00	68.60	5968	57	1.00
3/31/2018 16:00	69.20	5729	64	1.10
3/31/2018 17:00	69.20	5384	62	1.20
3/31/2018 18:00	69.80	4893	58	1.20
3/31/2018 19:00	69.30	4052	39	1.00
3/31/2018 20:00	69.40	3318	38	1.10
3/31/2018 21:00	70.30	2892	4	0.10
3/31/2018 22:00	66.20	2333	13	0.60
3/31/2018 23:00	69.50	1511	7	0.50
4/01/2018 0:00	69.70	927	2	0.20
4/01/2018 1:00	69.70	664	1	0.20
4/01/2018 2:00	69.80	515	1	0.20
4/01/2018 3:00	69.70	364	0	0.00
4/01/2018 4:00	69.80	507	0	0.00
4/01/2018 5:00	69.40	935	4	0.40
4/01/2018 6:00	70.00	1630	7	0.40
4/01/2018 7:00	70.30	2189	3	0.10
4/01/2018 8:00	69.90	3252	13	0.40
4/01/2018 9:00	68.40	4693	44	0.90
4/01/2018 10:00	68.60	5392	48	0.90
4/01/2018 11:00	67.60	5828	45	0.80
4/01/2018 12:00	66.60	6043	69	1.10
4/01/2018 13:00	66.80	5748	53	0.90
4/01/2018 14:00	67.80	5170	42	0.80
4/01/2018 15:00	68.50	4920	45	0.90
4/01/2018 16:00	68.80	4667	39	0.80
4/01/2018 17:00	68.90	4574	46	1.00
4/01/2018 18:00	69.10	4509	40	0.90
4/01/2018 19:00	69.30	3989	27	0.70
4/01/2018 20:00	68.70	3332	23	0.70
4/01/2018 21:00	70.10	2389	15	0.60
4/01/2018 22:00	70.10	1716	3	0.20
4/01/2018 23:00	70.00	1046	1	0.10
4/02/2018 0:00	69.80	619	5	0.80
4/02/2018 1:00	69.70	383	1	0.30
4/02/2018 2:00	69.70	280	1	0.40
4/02/2018 3:00	69.20	426	0	0.00
4/02/2018 4:00	70.10	1228	5	0.40
4/02/2018 5:00	70.80	4540	27	0.60
4/02/2018 6:00	59.70	9098	305	3.40
4/02/2018 7:00	54.90	9342	188	2.00
4/02/2018 8:00	64.30	7419	157	2.10
4/02/2018 9:00	66.40	6936	117	1.70
4/02/2018 10:00	66.60	6543	114	1.70
4/02/2018 11:00	67.00	6250	94	1.50
4/02/2018 12:00	67.10	6419	109	1.70
4/02/2018 13:00	67.20	6169	114	1.80
4/02/2018 14:00	67.40	6378	132	2.10
4/02/2018 15:00	67.90	6033	86	1.40
4/02/2018 16:00	68.80	5983	105	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/02/2018 17:00	69.00	6330	106	1.70
4/02/2018 18:00	69.50	5308	72	1.40
4/02/2018 19:00	68.70	3645	49	1.30
4/02/2018 20:00	68.60	3079	46	1.50
4/02/2018 21:00	69.50	2507	16	0.60
4/02/2018 22:00	69.50	1592	10	0.60
4/02/2018 23:00	69.60	1013	5	0.50
4/03/2018 0:00	69.60	530	1	0.20
4/03/2018 1:00	69.50	358	4	1.10
4/03/2018 2:00	69.30	271	5	1.80
4/03/2018 3:00	69.30	462	2	0.40
4/03/2018 4:00	69.80	1267	14	1.10
4/03/2018 5:00	70.60	4741	34	0.70
4/03/2018 6:00	59.80	9484	372	3.90
4/03/2018 7:00	21.40	8930	816	9.10
4/03/2018 8:00	22.90	8251	713	8.60
4/03/2018 9:00	64.50	7499	160	2.10
4/03/2018 10:00	65.80	6907	134	1.90
4/03/2018 11:00	65.90	6562	121	1.80
4/03/2018 12:00	66.60	6448	135	2.10
4/03/2018 13:00	65.90	6410	134	2.10
4/03/2018 14:00	66.10	6412	120	1.90
4/03/2018 15:00	66.80	6529	97	1.50
4/03/2018 16:00	67.90	6379	117	1.80
4/03/2018 17:00	69.00	6307	115	1.80
4/03/2018 18:00	69.10	5790	91	1.60
4/03/2018 19:00	67.80	4343	91	2.10
4/03/2018 20:00	68.60	3394	51	1.50
4/03/2018 21:00	70.00	2685	27	1.00
4/03/2018 22:00	69.80	1863	10	0.50
4/03/2018 23:00	69.20	1857	29	1.60
4/04/2018 0:00	69.50	666	1	0.20
4/04/2018 1:00	69.20	390	4	1.00
4/04/2018 2:00	68.20	364	13	3.60
4/04/2018 3:00	69.20	475	7	1.50
4/04/2018 4:00	70.40	1287	9	0.70
4/04/2018 5:00	70.20	4733	42	0.90
4/04/2018 6:00	53.30	9250	257	2.80
4/04/2018 7:00	36.60	9435	460	4.90
4/04/2018 8:00	40.50	8646	784	9.10
4/04/2018 9:00	65.40	7541	158	2.10
4/04/2018 10:00	65.70	6801	112	1.60
4/04/2018 11:00	66.50	6876	138	2.00
4/04/2018 12:00	66.20	6818	127	1.90
4/04/2018 13:00	66.00	6498	148	2.30
4/04/2018 14:00	66.60	6461	133	2.10
4/04/2018 15:00	67.70	6483	115	1.80
4/04/2018 16:00	68.20	6413	106	1.70
4/04/2018 17:00	67.90	6730	124	1.80
4/04/2018 18:00	68.50	5570	102	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/04/2018 19:00	68.80	4249	53	1.20
4/04/2018 20:00	68.90	3331	56	1.70
4/04/2018 21:00	69.80	2884	31	1.10
4/04/2018 22:00	70.10	1828	8	0.40
4/04/2018 23:00	69.60	1069	4	0.40
4/05/2018 0:00	69.60	577	6	1.00
4/05/2018 1:00	69.50	393	3	0.80
4/05/2018 2:00	69.10	317	4	1.30
4/05/2018 3:00	69.00	464	5	1.10
4/05/2018 4:00	70.20	1260	10	0.80
4/05/2018 5:00	70.40	4573	39	0.90
4/05/2018 6:00	58.40	9072	150	1.70
4/05/2018 7:00	28.10	9126	56	0.60
4/05/2018 8:00	29.90	8558	748	8.70
4/05/2018 9:00	65.60	7560	155	2.10
4/05/2018 10:00	66.70	7205	129	1.80
4/05/2018 11:00	66.90	6949	144	2.10
4/05/2018 12:00	66.50	6787	154	2.30
4/05/2018 13:00	66.70	6579	160	2.40
4/05/2018 14:00	66.30	6646	149	2.20
4/05/2018 15:00	67.50	6592	110	1.70
4/05/2018 16:00	68.30	6691	99	1.50
4/05/2018 17:00	68.40	6938	133	1.90
4/05/2018 18:00	69.30	5785	107	1.80
4/05/2018 19:00	68.30	4565	86	1.90
4/05/2018 20:00	68.70	3394	54	1.60
4/05/2018 21:00	69.00	2866	29	1.00
4/05/2018 22:00	69.60	1979	19	1.00
4/05/2018 23:00	70.00	1145	2	0.20
4/06/2018 0:00	69.60	715	1	0.10
4/06/2018 1:00	69.70	483	2	0.40
4/06/2018 2:00	69.20	375	5	1.30
4/06/2018 3:00	68.70	527	7	1.30
4/06/2018 4:00	69.60	1226	2	0.20
4/06/2018 5:00	69.30	4304	35	0.80
4/06/2018 6:00	64.10	9239	205	2.20
4/06/2018 7:00	57.80	9587	370	3.90
4/06/2018 8:00	61.90	7914	250	3.20
4/06/2018 9:00	65.70	7815	192	2.50
4/06/2018 10:00	66.30	7313	155	2.10
4/06/2018 11:00	66.10	7302	150	2.10
4/06/2018 12:00	65.40	7051	169	2.40
4/06/2018 13:00	65.50	6930	162	2.30
4/06/2018 14:00	66.40	6882	145	2.10
4/06/2018 15:00	67.50	6450	99	1.50
4/06/2018 16:00	68.30	6410	114	1.80
4/06/2018 17:00	68.70	6612	114	1.70
4/06/2018 18:00	68.70	5723	108	1.90
4/06/2018 19:00	67.90	4880	91	1.90
4/06/2018 20:00	69.00	3816	40	1.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/06/2018 21:00	69.60	3078	35	1.10
4/06/2018 22:00	68.50	2466	28	1.10
4/06/2018 23:00	69.60	1619	2	0.10
4/07/2018 0:00	69.80	1020	2	0.20
4/07/2018 1:00	69.60	725	1	0.10
4/07/2018 2:00	69.70	576	2	0.30
4/07/2018 3:00	69.40	506	0	0.00
4/07/2018 4:00	69.70	722	4	0.60
4/07/2018 5:00	69.20	1423	9	0.60
4/07/2018 6:00	70.70	2603	14	0.50
4/07/2018 7:00	69.50	3842	36	0.90
4/07/2018 8:00	69.10	5487	75	1.40
4/07/2018 9:00	68.50	6628	86	1.30
4/07/2018 10:00	67.30	7297	110	1.50
4/07/2018 11:00	66.80	7439	111	1.50
4/07/2018 12:00	67.00	7258	120	1.70
4/07/2018 13:00	67.00	7037	92	1.30
4/07/2018 14:00	66.90	6479	104	1.60
4/07/2018 15:00	68.60	6137	78	1.30
4/07/2018 16:00	68.30	6148	74	1.20
4/07/2018 17:00	68.50	5853	65	1.10
4/07/2018 18:00	68.70	5716	72	1.30
4/07/2018 19:00	69.00	4432	47	1.10
4/07/2018 20:00	68.50	3571	47	1.30
4/07/2018 21:00	69.20	3068	31	1.00
4/07/2018 22:00	68.90	2562	19	0.70
4/07/2018 23:00	69.40	1671	11	0.70
4/08/2018 0:00	69.70	1118	1	0.10
4/08/2018 1:00	69.40	774	3	0.40
4/08/2018 2:00	69.40	591	0	0.00
4/08/2018 3:00	69.40	452	1	0.20
4/08/2018 4:00	69.70	590	1	0.20
4/08/2018 5:00	69.50	1076	4	0.40
4/08/2018 6:00	70.00	1901	4	0.20
4/08/2018 7:00	69.20	2571	10	0.40
4/08/2018 8:00	69.20	3896	29	0.70
4/08/2018 9:00	68.10	5459	71	1.30
4/08/2018 10:00	67.70	6457	63	1.00
4/08/2018 11:00	67.30	6737	74	1.10
4/08/2018 12:00	67.00	6832	86	1.30
4/08/2018 13:00	66.50	6657	56	0.80
4/08/2018 14:00	67.10	6029	74	1.20
4/08/2018 15:00	67.50	5734	54	0.90
4/08/2018 16:00	67.40	5441	55	1.00
4/08/2018 17:00	68.70	5071	43	0.80
4/08/2018 18:00	69.40	4642	54	1.20
4/08/2018 19:00	68.70	3715	44	1.20
4/08/2018 20:00	68.30	2905	35	1.20
4/08/2018 21:00	70.20	2304	23	1.00
4/08/2018 22:00	69.80	1713	9	0.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/08/2018 23:00	69.80	1038	2	0.20
4/09/2018 0:00	69.80	645	6	0.90
4/09/2018 1:00	69.70	397	1	0.30
4/09/2018 2:00	69.70	296	2	0.70
4/09/2018 3:00	69.20	450	1	0.20
4/09/2018 4:00	69.60	1249	5	0.40
4/09/2018 5:00	69.80	4652	45	1.00
4/09/2018 6:00	58.70	9463	295	3.10
4/09/2018 7:00	35.80	9096	1065	11.70
4/09/2018 8:00	28.60	8135	315	3.90
4/09/2018 9:00	65.60	7211	121	1.70
4/09/2018 10:00	66.30	6431	140	2.20
4/09/2018 11:00	66.80	6133	106	1.70
4/09/2018 12:00	66.30	6368	133	2.10
4/09/2018 13:00	66.50	5936	121	2.00
4/09/2018 14:00	66.60	6295	122	1.90
4/09/2018 15:00	67.20	6378	98	1.50
4/09/2018 16:00	68.20	6235	81	1.30
4/09/2018 17:00	69.00	6298	102	1.60
4/09/2018 18:00	69.70	5317	103	1.90
4/09/2018 19:00	69.10	4052	55	1.40
4/09/2018 20:00	68.50	3183	33	1.00
4/09/2018 21:00	69.10	2452	24	1.00
4/09/2018 22:00	69.50	1648	8	0.50
4/09/2018 23:00	69.20	865	5	0.60
4/10/2018 0:00	69.80	552	3	0.50
4/10/2018 1:00	69.50	360	2	0.60
4/10/2018 2:00	69.40	313	2	0.60
4/10/2018 3:00	69.60	454	2	0.40
4/10/2018 4:00	70.40	1260	10	0.80
4/10/2018 5:00	71.40	4710	36	0.80
4/10/2018 6:00	61.40	9361	251	2.70
4/10/2018 7:00	24.00	8875	1059	11.90
4/10/2018 8:00	25.80	8789	535	6.10
4/10/2018 9:00	27.10	7408	322	4.30
4/10/2018 10:00	65.90	6587	128	1.90
4/10/2018 11:00	66.50	6291	132	2.10
4/10/2018 12:00	66.90	6418	113	1.80
4/10/2018 13:00	66.30	6108	124	2.00
4/10/2018 14:00	66.00	6500	140	2.20
4/10/2018 15:00	66.50	6581	112	1.70
4/10/2018 16:00	67.50	6444	86	1.30
4/10/2018 17:00	68.40	6607	103	1.60
4/10/2018 18:00	68.00	5498	112	2.00
4/10/2018 19:00	68.20	4376	72	1.60
4/10/2018 20:00	67.90	3430	47	1.40
4/10/2018 21:00	68.70	2866	33	1.20
4/10/2018 22:00	69.20	1995	10	0.50
4/10/2018 23:00	68.20	1340	10	0.70
4/11/2018 0:00	69.10	619	6	1.00



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/11/2018 1:00	68.70	405	6	1.50
4/11/2018 2:00	68.90	328	10	3.00
4/11/2018 3:00	68.50	489	10	2.00
4/11/2018 4:00	69.50	1353	13	1.00
4/11/2018 5:00	70.00	4736	42	0.90
4/11/2018 6:00	48.50	9451	264	2.80
4/11/2018 7:00	22.70	8994	1014	11.30
4/11/2018 8:00	22.90	8773	488	5.60
4/11/2018 9:00	63.10	7413	178	2.40
4/11/2018 10:00	66.00	6657	145	2.20
4/11/2018 11:00	65.80	6464	136	2.10
4/11/2018 12:00	66.20	6520	132	2.00
4/11/2018 13:00	66.50	6406	147	2.30
4/11/2018 14:00	66.60	6562	131	2.00
4/11/2018 15:00	67.90	6644	97	1.50
4/11/2018 16:00	68.10	6672	95	1.40
4/11/2018 17:00	68.10	6755	105	1.60
4/11/2018 18:00	69.70	5908	79	1.30
4/11/2018 19:00	68.30	4328	75	1.70
4/11/2018 20:00	69.00	3307	42	1.30
4/11/2018 21:00	69.40	2827	28	1.00
4/11/2018 22:00	69.60	1858	8	0.40
4/11/2018 23:00	69.20	1060	3	0.30
4/12/2018 0:00	69.50	615	4	0.70
4/12/2018 1:00	69.40	360	4	1.10
4/12/2018 2:00	69.20	310	5	1.60
4/12/2018 3:00	69.10	477	5	1.00
4/12/2018 4:00	69.20	1294	14	1.10
4/12/2018 5:00	69.80	4675	41	0.90
4/12/2018 6:00	63.30	9624	198	2.10
4/12/2018 7:00	29.90	9302	930	10.00
4/12/2018 8:00	21.40	8631	556	6.40
4/12/2018 9:00	62.00	7420	141	1.90
4/12/2018 10:00	65.90	6762	128	1.90
4/12/2018 11:00	67.10	6345	126	2.00
4/12/2018 12:00	67.00	6627	136	2.10
4/12/2018 13:00	66.90	6199	138	2.20
4/12/2018 14:00	66.70	6622	148	2.20
4/12/2018 15:00	67.70	6591	102	1.50
4/12/2018 16:00	67.70	6655	112	1.70
4/12/2018 17:00	68.60	6929	121	1.70
4/12/2018 18:00	69.30	5918	112	1.90
4/12/2018 19:00	68.90	4461	89	2.00
4/12/2018 20:00	69.10	3349	45	1.30
4/12/2018 21:00	69.80	2828	25	0.90
4/12/2018 22:00	70.50	1999	4	0.20
4/12/2018 23:00	70.10	1109	1	0.10
4/13/2018 0:00	69.80	730	2	0.30
4/13/2018 1:00	69.70	435	2	0.50
4/13/2018 2:00	69.70	354	3	0.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/13/2018 3:00	69.20	473	3	0.60
4/13/2018 4:00	69.50	1206	8	0.70
4/13/2018 5:00	69.60	4387	31	0.70
4/13/2018 6:00	64.60	9151	182	2.00
4/13/2018 7:00	42.50	9478	436	4.60
4/13/2018 8:00	50.30	8459	216	2.60
4/13/2018 9:00	66.20	7604	187	2.50
4/13/2018 10:00	66.90	7027	128	1.80
4/13/2018 11:00	67.00	7027	130	1.90
4/13/2018 12:00	66.00	6985	167	2.40
4/13/2018 13:00	66.40	6679	124	1.90
4/13/2018 14:00	66.90	6803	148	2.20
4/13/2018 15:00	67.80	6524	118	1.80
4/13/2018 16:00	68.70	6569	109	1.70
4/13/2018 17:00	69.20	7012	109	1.60
4/13/2018 18:00	69.50	6001	103	1.70
4/13/2018 19:00	69.60	4700	59	1.30
4/13/2018 20:00	69.00	3819	54	1.40
4/13/2018 21:00	70.20	3156	32	1.00
4/13/2018 22:00	69.40	2519	19	0.80
4/13/2018 23:00	68.60	2155	31	1.40
4/14/2018 0:00	69.80	1089	4	0.40
4/14/2018 1:00	69.40	773	6	0.80
4/14/2018 2:00	69.70	566	1	0.20
4/14/2018 3:00	69.60	480	0	0.00
4/14/2018 4:00	69.70	782	4	0.50
4/14/2018 5:00	69.20	1624	12	0.70
4/14/2018 6:00	70.60	2722	23	0.80
4/14/2018 7:00	69.60	4107	41	1.00
4/14/2018 8:00	68.90	5561	72	1.30
4/14/2018 9:00	68.50	6801	83	1.20
4/14/2018 10:00	67.30	7115	99	1.40
4/14/2018 11:00	66.90	7402	105	1.40
4/14/2018 12:00	66.80	7414	94	1.30
4/14/2018 13:00	66.80	7014	103	1.50
4/14/2018 14:00	67.10	6615	104	1.60
4/14/2018 15:00	68.10	6278	85	1.40
4/14/2018 16:00	68.60	6093	72	1.20
4/14/2018 17:00	69.50	5700	67	1.20
4/14/2018 18:00	69.50	5206	65	1.20
4/14/2018 19:00	68.90	4306	58	1.30
4/14/2018 20:00	68.50	3503	38	1.10
4/14/2018 21:00	68.80	3048	42	1.40
4/14/2018 22:00	69.50	2420	13	0.50
4/14/2018 23:00	69.70	1642	7	0.40
4/15/2018 0:00	69.80	1021	4	0.40
4/15/2018 1:00	69.80	771	0	0.00
4/15/2018 2:00	69.60	521	2	0.40
4/15/2018 3:00	69.60	395	1	0.30
4/15/2018 4:00	69.80	569	2	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/15/2018 5:00	69.80	1060	3	0.30
4/15/2018 6:00	69.50	1886	4	0.20
4/15/2018 7:00	68.40	2659	3	0.10
4/15/2018 8:00	69.30	4189	20	0.50
4/15/2018 9:00	67.60	5601	40	0.70
4/15/2018 10:00	67.30	6542	62	0.90
4/15/2018 11:00	67.10	6868	61	0.90
4/15/2018 12:00	66.80	6990	91	1.30
4/15/2018 13:00	66.20	6516	76	1.20
4/15/2018 14:00	66.60	5793	55	0.90
4/15/2018 15:00	67.70	5531	51	0.90
4/15/2018 16:00	68.00	5117	44	0.90
4/15/2018 17:00	68.00	4792	42	0.90
4/15/2018 18:00	68.80	4381	45	1.00
4/15/2018 19:00	68.40	3470	25	0.70
4/15/2018 20:00	68.40	2819	28	1.00
4/15/2018 21:00	70.50	2080	7	0.30
4/15/2018 22:00	69.80	1532	4	0.30
4/15/2018 23:00	69.70	991	3	0.30
4/16/2018 0:00	69.60	545	1	0.20
4/16/2018 1:00	69.60	340	2	0.60
4/16/2018 2:00	69.70	292	1	0.30
4/16/2018 3:00	69.20	468	5	1.10
4/16/2018 4:00	69.50	1283	6	0.50
4/16/2018 5:00	69.80	4580	32	0.70
4/16/2018 6:00	62.70	9402	174	1.90
4/16/2018 7:00	38.00	9515	816	8.60
4/16/2018 8:00	35.80	8149	315	3.90
4/16/2018 9:00	65.60	6880	133	1.90
4/16/2018 10:00	66.60	6283	125	2.00
4/16/2018 11:00	66.70	6183	105	1.70
4/16/2018 12:00	66.20	5959	124	2.10
4/16/2018 13:00	66.20	5926	126	2.10
4/16/2018 14:00	66.30	6151	141	2.30
4/16/2018 15:00	67.10	6149	112	1.80
4/16/2018 16:00	68.20	6041	76	1.30
4/16/2018 17:00	68.00	6238	109	1.70
4/16/2018 18:00	68.40	5134	82	1.60
4/16/2018 19:00	68.80	3913	68	1.70
4/16/2018 20:00	68.20	3053	35	1.10
4/16/2018 21:00	69.60	2417	19	0.80
4/16/2018 22:00	69.50	1600	6	0.40
4/16/2018 23:00	69.40	1012	5	0.50
4/17/2018 0:00	69.60	549	8	1.50
4/17/2018 1:00	69.80	365	1	0.30
4/17/2018 2:00	70.00	330	4	1.20
4/17/2018 3:00	69.50	507	6	1.20
4/17/2018 4:00	70.20	1307	5	0.40
4/17/2018 5:00	70.00	4689	52	1.10
4/17/2018 6:00	55.60	9579	319	3.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/17/2018 7:00	30.30	9036	545	6.00
4/17/2018 8:00	15.10	7172	748	10.40
4/17/2018 9:00	33.40	7766	326	4.20
4/17/2018 10:00	65.50	6636	135	2.00
4/17/2018 11:00	65.50	6241	130	2.10
4/17/2018 12:00	66.20	6285	127	2.00
4/17/2018 13:00	65.80	6167	160	2.60
4/17/2018 14:00	62.50	6294	248	3.90
4/17/2018 15:00	66.30	6621	114	1.70
4/17/2018 16:00	68.00	6379	112	1.80
4/17/2018 17:00	68.40	6648	129	1.90
4/17/2018 18:00	69.50	5601	100	1.80
4/17/2018 19:00	69.20	4251	76	1.80
4/17/2018 20:00	69.20	3338	47	1.40
4/17/2018 21:00	70.10	2755	21	0.80
4/17/2018 22:00	69.50	1745	5	0.30
4/17/2018 23:00	69.10	979	6	0.60
4/18/2018 0:00	69.20	574	3	0.50
4/18/2018 1:00	69.60	336	0	0.00
4/18/2018 2:00	69.30	288	5	1.70
4/18/2018 3:00	69.20	458	3	0.70
4/18/2018 4:00	70.20	1258	5	0.40
4/18/2018 5:00	70.50	4787	41	0.90
4/18/2018 6:00	59.40	9547	253	2.70
4/18/2018 7:00	21.30	8728	733	8.40
4/18/2018 8:00	17.90	7909	413	5.20
4/18/2018 9:00	46.60	7532	362	4.80
4/18/2018 10:00	55.20	6462	178	2.80
4/18/2018 11:00	62.10	6351	116	1.80
4/18/2018 12:00	65.90	6760	154	2.30
4/18/2018 13:00	66.90	6274	139	2.20
4/18/2018 14:00	67.30	6281	116	1.80
4/18/2018 15:00	67.60	6475	101	1.60
4/18/2018 16:00	68.90	6475	82	1.30
4/18/2018 17:00	68.60	6601	131	2.00
4/18/2018 18:00	69.00	5670	94	1.70
4/18/2018 19:00	68.60	4124	55	1.30
4/18/2018 20:00	67.90	3387	33	1.00
4/18/2018 21:00	68.90	2847	29	1.00
4/18/2018 22:00	69.30	1764	11	0.60
4/18/2018 23:00	69.40	1108	4	0.40
4/19/2018 0:00	69.70	622	3	0.50
4/19/2018 1:00	68.90	330	5	1.50
4/19/2018 2:00	69.30	331	4	1.20
4/19/2018 3:00	68.70	432	3	0.70
4/19/2018 4:00	69.60	1249	3	0.20
4/19/2018 5:00	69.90	4638	46	1.00
4/19/2018 6:00	62.10	9484	225	2.40
4/19/2018 7:00	24.50	8700	1459	16.80
4/19/2018 8:00	22.90	8605	511	5.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/19/2018 9:00	62.50	7155	163	2.30
4/19/2018 10:00	61.20	6276	165	2.60
4/19/2018 11:00	66.10	6045	112	1.90
4/19/2018 12:00	66.20	6396	138	2.20
4/19/2018 13:00	66.60	5972	139	2.30
4/19/2018 14:00	67.30	6498	135	2.10
4/19/2018 15:00	67.40	6573	91	1.40
4/19/2018 16:00	68.30	6420	85	1.30
4/19/2018 17:00	67.90	6890	121	1.80
4/19/2018 18:00	69.00	5663	96	1.70
4/19/2018 19:00	68.70	4462	89	2.00
4/19/2018 20:00	69.10	3539	47	1.30
4/19/2018 21:00	69.80	2793	21	0.80
4/19/2018 22:00	69.80	1968	12	0.60
4/19/2018 23:00	69.70	1150	5	0.40
4/20/2018 0:00	69.70	641	2	0.30
4/20/2018 1:00	69.30	417	1	0.20
4/20/2018 2:00	70.00	343	1	0.30
4/20/2018 3:00	69.10	478	2	0.40
4/20/2018 4:00	69.40	1252	13	1.00
4/20/2018 5:00	70.00	4507	41	0.90
4/20/2018 6:00	65.00	9042	195	2.20
4/20/2018 7:00	58.70	9651	223	2.30
4/20/2018 8:00	55.00	8437	427	5.10
4/20/2018 9:00	65.20	7684	175	2.30
4/20/2018 10:00	66.00	7105	169	2.40
4/20/2018 11:00	65.70	7274	152	2.10
4/20/2018 12:00	65.80	7239	156	2.20
4/20/2018 13:00	65.60	6880	145	2.10
4/20/2018 14:00	66.40	6947	152	2.20
4/20/2018 15:00	67.40	6536	103	1.60
4/20/2018 16:00	68.20	6739	106	1.60
4/20/2018 17:00	68.60	6476	96	1.50
4/20/2018 18:00	69.70	5669	82	1.40
4/20/2018 19:00	69.00	4815	84	1.70
4/20/2018 20:00	68.80	3745	56	1.50
4/20/2018 21:00	69.90	3114	33	1.10
4/20/2018 22:00	69.50	2512	22	0.90
4/20/2018 23:00	69.20	1625	5	0.30
4/21/2018 0:00	69.80	1027	3	0.30
4/21/2018 1:00	69.60	765	3	0.40
4/21/2018 2:00	69.40	517	4	0.80
4/21/2018 3:00	69.40	438	2	0.50
4/21/2018 4:00	69.30	695	5	0.70
4/21/2018 5:00	69.60	1451	5	0.30
4/21/2018 6:00	70.00	2834	30	1.10
4/21/2018 7:00	69.50	4231	49	1.20
4/21/2018 8:00	68.20	5778	84	1.50
4/21/2018 9:00	67.40	6840	98	1.40
4/21/2018 10:00	66.80	7068	85	1.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/21/2018 11:00	66.20	7480	100	1.30
4/21/2018 12:00	65.70	7238	109	1.50
4/21/2018 13:00	66.30	6827	106	1.60
4/21/2018 14:00	67.70	6335	80	1.30
4/21/2018 15:00	67.90	6217	74	1.20
4/21/2018 16:00	68.20	6043	78	1.30
4/21/2018 17:00	68.50	5785	66	1.10
4/21/2018 18:00	68.60	5067	53	1.00
4/21/2018 19:00	69.00	4199	41	1.00
4/21/2018 20:00	68.30	3462	27	0.80
4/21/2018 21:00	69.20	2947	26	0.90
4/21/2018 22:00	70.30	2441	12	0.50
4/21/2018 23:00	69.80	1726	5	0.30
4/22/2018 0:00	69.90	1089	1	0.10
4/22/2018 1:00	69.30	732	0	0.00
4/22/2018 2:00	69.90	595	1	0.20
4/22/2018 3:00	69.40	459	0	0.00
4/22/2018 4:00	69.40	622	2	0.30
4/22/2018 5:00	69.60	1160	4	0.30
4/22/2018 6:00	70.00	1937	5	0.30
4/22/2018 7:00	69.70	2685	11	0.40
4/22/2018 8:00	68.80	4143	27	0.70
4/22/2018 9:00	67.50	5952	53	0.90
4/22/2018 10:00	66.50	7059	109	1.50
4/22/2018 11:00	66.60	7107	69	1.00
4/22/2018 12:00	66.50	7085	86	1.20
4/22/2018 13:00	67.10	6815	71	1.00
4/22/2018 14:00	66.90	6046	78	1.30
4/22/2018 15:00	67.60	5647	45	0.80
4/22/2018 16:00	68.50	5208	47	0.90
4/22/2018 17:00	68.40	4669	56	1.20
4/22/2018 18:00	68.30	4370	56	1.30
4/22/2018 19:00	68.30	3536	46	1.30
4/22/2018 20:00	68.00	2952	16	0.50
4/22/2018 21:00	68.90	2323	17	0.70
4/22/2018 22:00	69.60	1647	7	0.40
4/22/2018 23:00	69.70	963	1	0.10
4/23/2018 0:00	69.30	540	3	0.60
4/23/2018 1:00	69.50	350	7	2.00
4/23/2018 2:00	69.50	292	0	0.00
4/23/2018 3:00	69.20	449	3	0.70
4/23/2018 4:00	69.60	1267	3	0.20
4/23/2018 5:00	69.00	4579	54	1.20
4/23/2018 6:00	62.00	9225	198	2.10
4/23/2018 7:00	45.70	9585	599	6.20
4/23/2018 8:00	38.50	8372	448	5.40
4/23/2018 9:00	65.00	6928	154	2.20
4/23/2018 10:00	65.60	6447	149	2.30
4/23/2018 11:00	65.40	6096	117	1.90
4/23/2018 12:00	66.20	5905	105	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/23/2018 13:00	65.90	5730	120	2.10
4/23/2018 14:00	66.50	6068	117	1.90
4/23/2018 15:00	66.60	6191	88	1.40
4/23/2018 16:00	67.20	5922	69	1.20
4/23/2018 17:00	68.20	6120	85	1.40
4/23/2018 18:00	68.90	5159	80	1.60
4/23/2018 19:00	69.80	3836	54	1.40
4/23/2018 20:00	68.90	3107	29	0.90
4/23/2018 21:00	69.60	2353	14	0.60
4/23/2018 22:00	69.80	1586	9	0.60
4/23/2018 23:00	69.70	971	4	0.40
4/24/2018 0:00	69.80	539	4	0.70
4/24/2018 1:00	69.20	335	4	1.20
4/24/2018 2:00	69.60	279	3	1.10
4/24/2018 3:00	69.40	478	1	0.20
4/24/2018 4:00	70.00	1354	9	0.70
4/24/2018 5:00	69.60	4776	52	1.10
4/24/2018 6:00	63.10	9413	205	2.20
4/24/2018 7:00	51.60	9182	357	3.90
4/24/2018 8:00	21.40	8790	599	6.80
4/24/2018 9:00	62.00	7545	168	2.20
4/24/2018 10:00	65.50	6554	143	2.20
4/24/2018 11:00	65.20	6267	141	2.20
4/24/2018 12:00	66.10	6373	131	2.10
4/24/2018 13:00	64.70	6310	156	2.50
4/24/2018 14:00	66.00	6352	127	2.00
4/24/2018 15:00	66.10	6584	108	1.60
4/24/2018 16:00	67.20	6370	84	1.30
4/24/2018 17:00	67.80	6668	123	1.80
4/24/2018 18:00	68.90	5292	83	1.60
4/24/2018 19:00	68.80	4280	61	1.40
4/24/2018 20:00	68.20	3270	47	1.40
4/24/2018 21:00	69.20	2698	30	1.10
4/24/2018 22:00	68.80	1739	15	0.90
4/24/2018 23:00	69.50	1016	7	0.70
4/25/2018 0:00	68.90	551	10	1.80
4/25/2018 1:00	68.90	379	6	1.60
4/25/2018 2:00	69.20	318	3	0.90
4/25/2018 3:00	68.90	523	7	1.30
4/25/2018 4:00	69.90	1390	8	0.60
4/25/2018 5:00	69.90	4799	46	1.00
4/25/2018 6:00	62.00	9428	279	3.00
4/25/2018 7:00	26.90	8948	1604	17.90
4/25/2018 8:00	18.50	8126	921	11.30
4/25/2018 9:00	46.40	8104	226	2.80
4/25/2018 10:00	65.70	6641	135	2.00
4/25/2018 11:00	65.80	6568	147	2.20
4/25/2018 12:00	66.00	6666	123	1.80
4/25/2018 13:00	66.00	6414	141	2.20
4/25/2018 14:00	66.00	6359	130	2.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/25/2018 15:00	66.80	6147	81	1.30
4/25/2018 16:00	67.80	6659	83	1.20
4/25/2018 17:00	68.50	6650	118	1.80
4/25/2018 18:00	69.00	5678	93	1.60
4/25/2018 19:00	68.80	4266	51	1.20
4/25/2018 20:00	68.80	3480	42	1.20
4/25/2018 21:00	69.80	2908	30	1.00
4/25/2018 22:00	69.40	1751	6	0.30
4/25/2018 23:00	69.30	1048	5	0.50
4/26/2018 0:00	69.70	595	1	0.20
4/26/2018 1:00	69.40	370	1	0.30
4/26/2018 2:00	69.90	328	3	0.90
4/26/2018 3:00	69.10	502	3	0.60
4/26/2018 4:00	70.30	1347	8	0.60
4/26/2018 5:00	70.60	4640	59	1.30
4/26/2018 6:00	62.80	9507	225	2.40
4/26/2018 7:00	41.40	9729	759	7.80
4/26/2018 8:00	42.70	8787	352	4.00
4/26/2018 9:00	65.80	7396	175	2.40
4/26/2018 10:00	66.90	6694	140	2.10
4/26/2018 11:00	66.30	6535	148	2.30
4/26/2018 12:00	66.90	6636	148	2.20
4/26/2018 13:00	61.50	6397	275	4.30
4/26/2018 14:00	66.20	6821	142	2.10
4/26/2018 15:00	66.80	6879	117	1.70
4/26/2018 16:00	67.90	6873	125	1.80
4/26/2018 17:00	68.30	6944	149	2.10
4/26/2018 18:00	69.60	5812	108	1.90
4/26/2018 19:00	69.40	4741	64	1.30
4/26/2018 20:00	68.70	3609	66	1.80
4/26/2018 21:00	69.10	3028	45	1.50
4/26/2018 22:00	69.60	1989	16	0.80
4/26/2018 23:00	69.30	1239	4	0.30
4/27/2018 0:00	69.50	655	2	0.30
4/27/2018 1:00	69.50	533	2	0.40
4/27/2018 2:00	69.30	406	7	1.70
4/27/2018 3:00	68.90	534	4	0.70
4/27/2018 4:00	69.60	1311	4	0.30
4/27/2018 5:00	70.00	4344	40	0.90
4/27/2018 6:00	63.60	9225	198	2.10
4/27/2018 7:00	57.70	9785	243	2.50
4/27/2018 8:00	64.40	8264	209	2.50
4/27/2018 9:00	65.20	7764	196	2.50
4/27/2018 10:00	66.10	7129	176	2.50
4/27/2018 11:00	65.60	7060	149	2.10
4/27/2018 12:00	65.50	6902	166	2.40
4/27/2018 13:00	65.50	6769	178	2.60
4/27/2018 14:00	65.80	7033	150	2.10
4/27/2018 15:00	67.20	6973	98	1.40
4/27/2018 16:00	67.60	6901	121	1.80



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/27/2018 17:00	68.40	6704	84	1.30
4/27/2018 18:00	69.10	5919	96	1.60
4/27/2018 19:00	68.70	4739	76	1.60
4/27/2018 20:00	68.20	3719	48	1.30
4/27/2018 21:00	69.10	3022	28	0.90
4/27/2018 22:00	69.90	2515	16	0.60
4/27/2018 23:00	70.10	1684	1	0.10
4/28/2018 0:00	69.70	1075	7	0.70
4/28/2018 1:00	69.40	756	2	0.30
4/28/2018 2:00	69.90	572	3	0.50
4/28/2018 3:00	69.20	480	3	0.60
4/28/2018 4:00	69.10	675	4	0.60
4/28/2018 5:00	69.50	1448	14	1.00
4/28/2018 6:00	69.70	2850	15	0.50
4/28/2018 7:00	69.50	4280	50	1.20
4/28/2018 8:00	68.00	5747	63	1.10
4/28/2018 9:00	66.90	7092	87	1.20
4/28/2018 10:00	66.60	7447	120	1.60
4/28/2018 11:00	66.10	7487	125	1.70
4/28/2018 12:00	65.90	7325	115	1.60
4/28/2018 13:00	66.10	6834	106	1.60
4/28/2018 14:00	66.80	6639	101	1.50
4/28/2018 15:00	67.50	6117	74	1.20
4/28/2018 16:00	67.90	5984	74	1.20
4/28/2018 17:00	68.00	5715	76	1.30
4/28/2018 18:00	68.30	5307	92	1.70
4/28/2018 19:00	69.20	4080	49	1.20
4/28/2018 20:00	68.20	3444	34	1.00
4/28/2018 21:00	69.10	3046	29	1.00
4/28/2018 22:00	69.30	2655	27	1.00
4/28/2018 23:00	69.50	1719	6	0.30
4/29/2018 0:00	69.50	1025	2	0.20
4/29/2018 1:00	69.60	747	1	0.10
4/29/2018 2:00	69.60	577	1	0.20
4/29/2018 3:00	69.60	416	2	0.50
4/29/2018 4:00	69.30	538	2	0.40
4/29/2018 5:00	69.40	1062	4	0.40
4/29/2018 6:00	70.40	1935	8	0.40
4/29/2018 7:00	69.70	2597	13	0.50
4/29/2018 8:00	69.30	3847	30	0.80
4/29/2018 9:00	68.10	5450	63	1.20
4/29/2018 10:00	67.00	6602	73	1.10
4/29/2018 11:00	66.30	6769	88	1.30
4/29/2018 12:00	66.20	6566	78	1.20
4/29/2018 13:00	65.90	6391	69	1.10
4/29/2018 14:00	67.10	5819	78	1.30
4/29/2018 15:00	67.40	5613	56	1.00
4/29/2018 16:00	67.80	5311	53	1.00
4/29/2018 17:00	67.40	4795	50	1.00
4/29/2018 18:00	68.10	4292	54	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
4/29/2018 19:00	68.30	3402	28	0.80
4/29/2018 20:00	68.10	2761	16	0.60
4/29/2018 21:00	69.10	2169	8	0.40
4/29/2018 22:00	69.40	1581	7	0.40
4/29/2018 23:00	69.50	1053	5	0.50
4/30/2018 0:00	69.90	626	0	0.00
4/30/2018 1:00	69.60	366	3	0.80
4/30/2018 2:00	69.10	325	3	0.90
4/30/2018 3:00	69.10	489	4	0.80
4/30/2018 4:00	69.40	1305	4	0.30
4/30/2018 5:00	69.70	4516	42	0.90
4/30/2018 6:00	34.40	8618	447	5.20
4/30/2018 7:00	17.70	8031	845	10.50
4/30/2018 8:00	17.00	8010	788	9.80
4/30/2018 9:00	51.30	7299	232	3.20
4/30/2018 10:00	66.40	6149	124	2.00
4/30/2018 11:00	65.50	5884	134	2.30
4/30/2018 12:00	66.50	5990	121	2.00
4/30/2018 13:00	66.40	6020	121	2.00
4/30/2018 14:00	66.70	6222	139	2.20
4/30/2018 15:00	67.30	6237	101	1.60
4/30/2018 16:00	67.70	6055	116	1.90
4/30/2018 17:00	67.80	6199	98	1.60
4/30/2018 18:00	68.10	5009	75	1.50
4/30/2018 19:00	67.80	3657	55	1.50
4/30/2018 20:00	65.90	2896	43	1.50
4/30/2018 21:00	66.10	2269	18	0.80
4/30/2018 22:00	68.60	1474	13	0.90
4/30/2018 23:00	69.40	966	2	0.20
5/01/2018 0:00	69.50	526	4	0.80
5/01/2018 1:00	69.10	319	3	0.90
5/01/2018 2:00	69.50	300	3	1.00
5/01/2018 3:00	69.50	467	2	0.40
5/01/2018 4:00	70.00	1324	8	0.60
5/01/2018 5:00	70.80	4627	48	1.00
5/01/2018 6:00	63.30	9306	129	1.40
5/01/2018 7:00	45.70	9563	187	2.00
5/01/2018 8:00	16.50	7656	379	5.00
5/01/2018 9:00	62.30	7234	167	2.30
5/01/2018 10:00	65.60	6576	143	2.20
5/01/2018 11:00	64.60	5968	121	2.00
5/01/2018 12:00	66.00	6025	128	2.10
5/01/2018 13:00	66.00	6033	137	2.30
5/01/2018 14:00	66.40	6006	106	1.80
5/01/2018 15:00	67.00	6427	99	1.50
5/01/2018 16:00	67.80	6460	94	1.50
5/01/2018 17:00	67.70	6618	120	1.80
5/01/2018 18:00	69.10	5203	78	1.50
5/01/2018 19:00	68.70	3897	48	1.20
5/01/2018 20:00	67.80	3003	39	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/01/2018 21:00	68.80	2447	28	1.10
5/01/2018 22:00	69.30	1609	12	0.70
5/01/2018 23:00	68.90	855	2	0.20
5/02/2018 0:00	69.80	492	5	1.00
5/02/2018 1:00	69.30	353	1	0.30
5/02/2018 2:00	69.70	289	2	0.70
5/02/2018 3:00	69.20	443	2	0.50
5/02/2018 4:00	68.90	1334	12	0.90
5/02/2018 5:00	68.90	4603	54	1.20
5/02/2018 6:00	54.30	9220	187	2.00
5/02/2018 7:00	23.80	9091	691	7.60
5/02/2018 8:00	26.50	8400	280	3.30
5/02/2018 9:00	56.20	6760	196	2.90
5/02/2018 10:00	64.80	6203	111	1.80
5/02/2018 11:00	66.90	5988	116	1.90
5/02/2018 12:00	66.40	6327	144	2.30
5/02/2018 13:00	66.20	6214	137	2.20
5/02/2018 14:00	66.60	5973	142	2.40
5/02/2018 15:00	67.80	6251	95	1.50
5/02/2018 16:00	68.40	6353	96	1.50
5/02/2018 17:00	68.30	6879	141	2.00
5/02/2018 18:00	69.50	5476	98	1.80
5/02/2018 19:00	69.20	3994	57	1.40
5/02/2018 20:00	69.10	3194	36	1.10
5/02/2018 21:00	68.90	2539	37	1.50
5/02/2018 22:00	69.40	1668	10	0.60
5/02/2018 23:00	69.40	1058	2	0.20
5/03/2018 0:00	69.80	577	4	0.70
5/03/2018 1:00	69.70	376	1	0.30
5/03/2018 2:00	69.30	274	2	0.70
5/03/2018 3:00	69.50	474	0	0.00
5/03/2018 4:00	70.00	1380	8	0.60
5/03/2018 5:00	70.50	4710	45	1.00
5/03/2018 6:00	64.00	9136	219	2.40
5/03/2018 7:00	25.20	9230	654	7.10
5/03/2018 8:00	26.70	8752	567	6.50
5/03/2018 9:00	63.50	7825	165	2.10
5/03/2018 10:00	66.50	6625	114	1.70
5/03/2018 11:00	66.80	6445	139	2.20
5/03/2018 12:00	67.30	6538	129	2.00
5/03/2018 13:00	66.50	6503	162	2.50
5/03/2018 14:00	66.50	6634	148	2.20
5/03/2018 15:00	67.10	6821	124	1.80
5/03/2018 16:00	67.80	6715	117	1.70
5/03/2018 17:00	67.70	7074	151	2.10
5/03/2018 18:00	69.50	5900	105	1.80
5/03/2018 19:00	69.60	4517	65	1.40
5/03/2018 20:00	69.00	3383	45	1.30
5/03/2018 21:00	69.40	2764	33	1.20
5/03/2018 22:00	69.90	1869	7	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/03/2018 23:00	69.70	1085	4	0.40
5/04/2018 0:00	69.60	729	2	0.30
5/04/2018 1:00	69.50	448	1	0.20
5/04/2018 2:00	69.40	344	5	1.50
5/04/2018 3:00	69.10	516	4	0.80
5/04/2018 4:00	69.70	1291	5	0.40
5/04/2018 5:00	70.50	4457	39	0.90
5/04/2018 6:00	64.90	9274	201	2.20
5/04/2018 7:00	32.80	9066	379	4.20
5/04/2018 8:00	43.60	8306	180	2.20
5/04/2018 9:00	65.10	7765	159	2.00
5/04/2018 10:00	65.00	7191	165	2.30
5/04/2018 11:00	65.00	7103	161	2.30
5/04/2018 12:00	65.50	7291	183	2.50
5/04/2018 13:00	65.10	6856	166	2.40
5/04/2018 14:00	66.50	6885	152	2.20
5/04/2018 15:00	67.50	6271	103	1.60
5/04/2018 16:00	67.90	6535	121	1.90
5/04/2018 17:00	69.00	6396	111	1.70
5/04/2018 18:00	69.10	5816	104	1.80
5/04/2018 19:00	68.70	4760	59	1.20
5/04/2018 20:00	64.40	3755	45	1.20
5/04/2018 21:00	69.20	3191	28	0.90
5/04/2018 22:00	69.10	2265	30	1.30
5/04/2018 23:00	69.80	1494	6	0.40
5/05/2018 0:00	69.70	1023	3	0.30
5/05/2018 1:00	69.70	670	2	0.30
5/05/2018 2:00	69.60	511	3	0.60
5/05/2018 3:00	69.50	477	2	0.40
5/05/2018 4:00	69.50	700	2	0.30
5/05/2018 5:00	69.60	1408	10	0.70
5/05/2018 6:00	70.10	2815	23	0.80
5/05/2018 7:00	68.20	4371	60	1.40
5/05/2018 8:00	67.60	5901	78	1.30
5/05/2018 9:00	66.20	7067	106	1.50
5/05/2018 10:00	66.20	7443	73	1.00
5/05/2018 11:00	65.70	7306	88	1.20
5/05/2018 12:00	65.80	7713	110	1.40
5/05/2018 13:00	66.00	7425	113	1.50
5/05/2018 14:00	66.40	6557	79	1.20
5/05/2018 15:00	67.10	6035	60	1.00
5/05/2018 16:00	67.40	5942	65	1.10
5/05/2018 17:00	68.30	5906	65	1.10
5/05/2018 18:00	68.60	5319	76	1.40
5/05/2018 19:00	69.90	4344	56	1.30
5/05/2018 20:00	69.10	3642	34	0.90
5/05/2018 21:00	69.90	3109	26	0.80
5/05/2018 22:00	69.40	2667	13	0.50
5/05/2018 23:00	69.40	1704	5	0.30
5/06/2018 0:00	69.80	1122	3	0.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/06/2018 1:00	69.80	896	1	0.10
5/06/2018 2:00	69.80	597	0	0.00
5/06/2018 3:00	69.90	510	0	0.00
5/06/2018 4:00	69.80	626	1	0.20
5/06/2018 5:00	69.90	1192	5	0.40
5/06/2018 6:00	70.00	1971	7	0.40
5/06/2018 7:00	69.60	2852	17	0.60
5/06/2018 8:00	69.40	4179	20	0.50
5/06/2018 9:00	67.90	5873	59	1.00
5/06/2018 10:00	66.40	6722	60	0.90
5/06/2018 11:00	66.20	7068	83	1.20
5/06/2018 12:00	65.20	7587	107	1.40
5/06/2018 13:00	64.70	7229	113	1.60
5/06/2018 14:00	66.40	6236	64	1.00
5/06/2018 15:00	67.00	5720	60	1.00
5/06/2018 16:00	67.30	5460	63	1.20
5/06/2018 17:00	68.20	4793	67	1.40
5/06/2018 18:00	67.70	4448	56	1.30
5/06/2018 19:00	68.20	3628	34	0.90
5/06/2018 20:00	67.50	3043	29	1.00
5/06/2018 21:00	68.50	2226	13	0.60
5/06/2018 22:00	68.70	1640	6	0.40
5/06/2018 23:00	69.40	971	1	0.10
5/07/2018 0:00	69.60	558	2	0.40
5/07/2018 1:00	69.50	347	0	0.00
5/07/2018 2:00	69.60	301	1	0.30
5/07/2018 3:00	68.80	488	3	0.60
5/07/2018 4:00	69.60	1251	8	0.60
5/07/2018 5:00	69.80	4612	46	1.00
5/07/2018 6:00	63.50	9469	222	2.30
5/07/2018 7:00	30.90	9082	1064	11.70
5/07/2018 8:00	28.00	8238	400	4.90
5/07/2018 9:00	64.20	7170	136	1.90
5/07/2018 10:00	66.40	6424	122	1.90
5/07/2018 11:00	66.20	6120	120	2.00
5/07/2018 12:00	66.20	6106	112	1.80
5/07/2018 13:00	66.50	5867	123	2.10
5/07/2018 14:00	66.60	6280	130	2.10
5/07/2018 15:00	67.20	6120	88	1.40
5/07/2018 16:00	68.10	6055	112	1.80
5/07/2018 17:00	68.80	6166	117	1.90
5/07/2018 18:00	69.50	4967	80	1.60
5/07/2018 19:00	69.40	3702	58	1.60
5/07/2018 20:00	68.90	3054	43	1.40
5/07/2018 21:00	69.30	2399	21	0.90
5/07/2018 22:00	69.50	1595	8	0.50
5/07/2018 23:00	69.70	969	5	0.50
5/08/2018 0:00	69.70	538	5	0.90
5/08/2018 1:00	69.10	379	0	0.00
5/08/2018 2:00	69.10	302	8	2.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/08/2018 3:00	68.90	519	5	1.00
5/08/2018 4:00	69.40	1342	13	1.00
5/08/2018 5:00	70.10	4824	37	0.80
5/08/2018 6:00	61.80	9407	240	2.60
5/08/2018 7:00	27.80	9288	1080	11.60
5/08/2018 8:00	44.70	8406	338	4.00
5/08/2018 9:00	63.60	7725	165	2.10
5/08/2018 10:00	65.90	6608	140	2.10
5/08/2018 11:00	65.40	6244	145	2.30
5/08/2018 12:00	65.60	6320	137	2.20
5/08/2018 13:00	66.40	6179	137	2.20
5/08/2018 14:00	66.40	6453	138	2.10
5/08/2018 15:00	66.80	6362	116	1.80
5/08/2018 16:00	67.60	6716	101	1.50
5/08/2018 17:00	68.20	6593	118	1.80
5/08/2018 18:00	69.40	5365	79	1.50
5/08/2018 19:00	69.80	4260	65	1.50
5/08/2018 20:00	68.30	3208	38	1.20
5/08/2018 21:00	68.60	2677	31	1.20
5/08/2018 22:00	69.10	1698	19	1.10
5/08/2018 23:00	69.50	917	2	0.20
5/09/2018 0:00	69.80	593	3	0.50
5/09/2018 1:00	69.40	381	2	0.50
5/09/2018 2:00	69.60	303	3	1.00
5/09/2018 3:00	69.00	500	4	0.80
5/09/2018 4:00	69.60	1315	15	1.10
5/09/2018 5:00	70.50	4799	36	0.80
5/09/2018 6:00	47.20	9451	437	4.60
5/09/2018 7:00	26.40	9216	765	8.30
5/09/2018 8:00	49.00	8923	345	3.90
5/09/2018 9:00	63.90	7465	180	2.40
5/09/2018 10:00	66.20	6751	133	2.00
5/09/2018 11:00	66.00	6551	132	2.00
5/09/2018 12:00	65.60	6617	148	2.20
5/09/2018 13:00	65.80	6345	147	2.30
5/09/2018 14:00	66.40	6490	158	2.40
5/09/2018 15:00	65.10	6348	107	1.70
5/09/2018 16:00	67.90	6019	94	1.60
5/09/2018 17:00	68.60	6441	99	1.50
5/09/2018 18:00	69.00	4949	73	1.50
5/09/2018 19:00	68.60	4121	57	1.40
5/09/2018 20:00	67.70	3502	59	1.70
5/09/2018 21:00	69.20	2759	29	1.10
5/09/2018 22:00	69.30	1895	6	0.30
5/09/2018 23:00	69.40	1091	5	0.50
5/10/2018 0:00	69.80	611	4	0.70
5/10/2018 1:00	69.80	421	0	0.00
5/10/2018 2:00	69.00	323	3	0.90
5/10/2018 3:00	69.30	475	1	0.20
5/10/2018 4:00	70.10	1318	9	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/10/2018 5:00	69.70	4753	35	0.70
5/10/2018 6:00	58.80	9506	468	4.90
5/10/2018 7:00	22.60	9006	1260	14.00
5/10/2018 8:00	27.00	8959	569	6.40
5/10/2018 9:00	63.40	7866	178	2.30
5/10/2018 10:00	65.10	7083	179	2.50
5/10/2018 11:00	65.70	6845	149	2.20
5/10/2018 12:00	66.10	6884	153	2.20
5/10/2018 13:00	65.50	6660	140	2.10
5/10/2018 14:00	65.30	6796	164	2.40
5/10/2018 15:00	66.10	6985	133	1.90
5/10/2018 16:00	66.60	7231	129	1.80
5/10/2018 17:00	66.90	7181	135	1.90
5/10/2018 18:00	68.70	5968	95	1.60
5/10/2018 19:00	68.80	4602	75	1.60
5/10/2018 20:00	68.20	3653	53	1.50
5/10/2018 21:00	68.10	3081	36	1.20
5/10/2018 22:00	68.80	2159	21	1.00
5/10/2018 23:00	69.30	1320	7	0.50
5/11/2018 0:00	69.70	800	1	0.10
5/11/2018 1:00	69.30	526	4	0.80
5/11/2018 2:00	68.70	449	9	2.00
5/11/2018 3:00	69.00	518	6	1.20
5/11/2018 4:00	69.30	1338	11	0.80
5/11/2018 5:00	69.10	4337	52	1.20
5/11/2018 6:00	63.50	9357	202	2.20
5/11/2018 7:00	59.00	9796	310	3.20
5/11/2018 8:00	62.70	8496	217	2.60
5/11/2018 9:00	63.80	8021	231	2.90
5/11/2018 10:00	64.00	7283	183	2.50
5/11/2018 11:00	64.40	6889	154	2.20
5/11/2018 12:00	63.30	6900	196	2.80
5/11/2018 13:00	64.80	6955	187	2.70
5/11/2018 14:00	65.00	7344	184	2.50
5/11/2018 15:00	65.30	6768	136	2.00
5/11/2018 16:00	66.60	6690	114	1.70
5/11/2018 17:00	67.20	7023	138	2.00
5/11/2018 18:00	66.30	6772	127	1.90
5/11/2018 19:00	68.50	4585	59	1.30
5/11/2018 20:00	68.30	3658	50	1.40
5/11/2018 21:00	69.30	3160	34	1.10
5/11/2018 22:00	69.40	2517	21	0.80
5/11/2018 23:00	69.20	1624	4	0.20
5/12/2018 0:00	69.80	977	0	0.00
5/12/2018 1:00	69.30	728	2	0.30
5/12/2018 2:00	69.00	546	5	0.90
5/12/2018 3:00	68.90	451	5	1.10
5/12/2018 4:00	69.60	720	0	0.00
5/12/2018 5:00	67.90	1532	13	0.80
5/12/2018 6:00	69.80	2680	21	0.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/12/2018 7:00	69.30	3906	33	0.80
5/12/2018 8:00	68.30	5627	90	1.60
5/12/2018 9:00	67.40	6849	107	1.60
5/12/2018 10:00	65.50	7687	158	2.10
5/12/2018 11:00	63.80	8309	198	2.40
5/12/2018 12:00	66.10	7480	106	1.40
5/12/2018 13:00	66.80	7000	103	1.50
5/12/2018 14:00	67.60	6541	101	1.50
5/12/2018 15:00	67.30	6790	122	1.80
5/12/2018 16:00	66.90	6972	146	2.10
5/12/2018 17:00	68.70	5838	77	1.30
5/12/2018 18:00	67.70	5463	71	1.30
5/12/2018 19:00	66.10	4686	79	1.70
5/12/2018 20:00	67.00	4388	93	2.10
5/12/2018 21:00	69.30	3304	27	0.80
5/12/2018 22:00	68.90	2521	27	1.10
5/12/2018 23:00	69.00	1724	6	0.30
5/13/2018 0:00	69.60	1080	4	0.40
5/13/2018 1:00	69.90	756	0	0.00
5/13/2018 2:00	69.90	614	0	0.00
5/13/2018 3:00	69.50	456	0	0.00
5/13/2018 4:00	69.70	567	3	0.50
5/13/2018 5:00	70.00	1064	5	0.50
5/13/2018 6:00	70.00	1771	3	0.20
5/13/2018 7:00	70.10	2489	11	0.40
5/13/2018 8:00	69.00	4027	28	0.70
5/13/2018 9:00	67.80	5616	46	0.80
5/13/2018 10:00	62.40	6802	101	1.50
5/13/2018 11:00	65.20	7254	83	1.10
5/13/2018 12:00	65.40	7579	111	1.50
5/13/2018 13:00	65.90	6550	76	1.20
5/13/2018 14:00	67.20	5743	57	1.00
5/13/2018 15:00	67.50	5284	49	0.90
5/13/2018 16:00	66.40	5774	81	1.40
5/13/2018 17:00	66.40	5875	107	1.80
5/13/2018 18:00	67.80	4511	54	1.20
5/13/2018 19:00	68.90	3761	31	0.80
5/13/2018 20:00	67.50	3193	33	1.00
5/13/2018 21:00	69.40	2314	19	0.80
5/13/2018 22:00	69.40	1731	6	0.30
5/13/2018 23:00	69.60	1017	5	0.50
5/14/2018 0:00	69.50	624	4	0.60
5/14/2018 1:00	69.50	437	2	0.50
5/14/2018 2:00	69.50	320	1	0.30
5/14/2018 3:00	69.10	497	4	0.80
5/14/2018 4:00	69.90	1278	7	0.50
5/14/2018 5:00	71.10	4619	37	0.80
5/14/2018 6:00	62.70	9565	211	2.20
5/14/2018 7:00	17.70	7471	684	9.20
5/14/2018 8:00	21.00	8292	1323	16.00



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/14/2018 9:00	42.10	7197	239	3.30
5/14/2018 10:00	66.20	6402	127	2.00
5/14/2018 11:00	66.10	6131	108	1.80
5/14/2018 12:00	66.50	6156	106	1.70
5/14/2018 13:00	66.40	5764	128	2.20
5/14/2018 14:00	66.20	6197	135	2.20
5/14/2018 15:00	67.10	5988	85	1.40
5/14/2018 16:00	68.00	6096	95	1.60
5/14/2018 17:00	68.40	5871	105	1.80
5/14/2018 18:00	69.10	4851	72	1.50
5/14/2018 19:00	69.70	3522	51	1.40
5/14/2018 20:00	68.80	2701	29	1.10
5/14/2018 21:00	69.50	2229	21	0.90
5/14/2018 22:00	69.80	1557	11	0.70
5/14/2018 23:00	69.40	970	6	0.60
5/15/2018 0:00	69.50	536	5	0.90
5/15/2018 1:00	69.40	333	1	0.30
5/15/2018 2:00	69.50	328	6	1.80
5/15/2018 3:00	68.90	456	3	0.70
5/15/2018 4:00	70.00	1368	6	0.40
5/15/2018 5:00	70.30	4779	34	0.70
5/15/2018 6:00	61.80	9829	303	3.10
5/15/2018 7:00	30.10	9479	622	6.60
5/15/2018 8:00	24.10	8674	858	9.90
5/15/2018 9:00	63.70	7239	159	2.20
5/15/2018 10:00	65.70	6564	139	2.10
5/15/2018 11:00	65.40	6195	138	2.20
5/15/2018 12:00	66.00	6263	134	2.10
5/15/2018 13:00	65.80	6175	140	2.30
5/15/2018 14:00	66.10	6283	144	2.30
5/15/2018 15:00	66.60	6552	106	1.60
5/15/2018 16:00	67.70	6495	81	1.20
5/15/2018 17:00	68.10	6644	115	1.70
5/15/2018 18:00	69.20	5393	93	1.70
5/15/2018 19:00	69.10	4179	70	1.70
5/15/2018 20:00	68.40	3213	38	1.20
5/15/2018 21:00	69.10	2656	21	0.80
5/15/2018 22:00	69.20	1705	8	0.50
5/15/2018 23:00	69.30	950	4	0.40
5/16/2018 0:00	69.50	572	4	0.70
5/16/2018 1:00	69.30	374	5	1.30
5/16/2018 2:00	69.60	305	3	1.00
5/16/2018 3:00	69.10	495	2	0.40
5/16/2018 4:00	69.90	1349	9	0.70
5/16/2018 5:00	70.00	4767	38	0.80
5/16/2018 6:00	57.70	9445	248	2.60
5/16/2018 7:00	24.60	8983	1111	12.40
5/16/2018 8:00	23.60	8361	418	5.00
5/16/2018 9:00	53.30	7466	225	3.00
5/16/2018 10:00	65.30	6516	169	2.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/16/2018 11:00	65.90	6338	118	1.90
5/16/2018 12:00	66.00	6591	139	2.10
5/16/2018 13:00	66.20	6317	145	2.30
5/16/2018 14:00	66.60	6252	138	2.20
5/16/2018 15:00	67.20	6225	110	1.80
5/16/2018 16:00	67.90	6464	87	1.30
5/16/2018 17:00	68.80	6220	104	1.70
5/16/2018 18:00	69.70	5231	93	1.80
5/16/2018 19:00	69.90	3676	41	1.10
5/16/2018 20:00	69.00	3150	43	1.40
5/16/2018 21:00	69.10	2546	32	1.30
5/16/2018 22:00	69.00	1786	12	0.70
5/16/2018 23:00	68.50	1603	23	1.40
5/17/2018 0:00	69.80	612	1	0.20
5/17/2018 1:00	69.50	393	2	0.50
5/17/2018 2:00	69.40	331	2	0.60
5/17/2018 3:00	69.20	484	2	0.40
5/17/2018 4:00	70.10	1324	3	0.20
5/17/2018 5:00	70.20	4717	40	0.80
5/17/2018 6:00	62.70	9463	216	2.30
5/17/2018 7:00	25.80	9162	1194	13.00
5/17/2018 8:00	27.30	8800	445	5.10
5/17/2018 9:00	63.70	7560	170	2.20
5/17/2018 10:00	65.50	6646	128	1.90
5/17/2018 11:00	66.20	6450	134	2.10
5/17/2018 12:00	66.70	6618	134	2.00
5/17/2018 13:00	65.90	6419	150	2.30
5/17/2018 14:00	66.30	6702	160	2.40
5/17/2018 15:00	66.90	6843	120	1.80
5/17/2018 16:00	67.70	6799	111	1.60
5/17/2018 17:00	67.70	7027	140	2.00
5/17/2018 18:00	69.20	5846	98	1.70
5/17/2018 19:00	69.20	4566	72	1.60
5/17/2018 20:00	68.80	3535	52	1.50
5/17/2018 21:00	69.10	2940	26	0.90
5/17/2018 22:00	69.60	2004	3	0.10
5/17/2018 23:00	69.60	1209	3	0.20
5/18/2018 0:00	69.40	659	5	0.80
5/18/2018 1:00	69.30	449	3	0.70
5/18/2018 2:00	69.80	378	1	0.30
5/18/2018 3:00	69.20	518	3	0.60
5/18/2018 4:00	70.40	1377	6	0.40
5/18/2018 5:00	69.60	4400	52	1.20
5/18/2018 6:00	64.00	9219	186	2.00
5/18/2018 7:00	27.00	8454	335	4.00
5/18/2018 8:00	19.70	8017	375	4.70
5/18/2018 9:00	57.50	7374	183	2.50
5/18/2018 10:00	65.10	6706	149	2.20
5/18/2018 11:00	65.90	6572	119	1.80
5/18/2018 12:00	66.40	6429	128	2.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/18/2018 13:00	66.50	6349	167	2.60
5/18/2018 14:00	66.60	6339	120	1.90
5/18/2018 15:00	66.90	6480	124	1.90
5/18/2018 16:00	68.70	6187	85	1.40
5/18/2018 17:00	68.70	6230	81	1.30
5/18/2018 18:00	69.00	5655	78	1.40
5/18/2018 19:00	69.40	4473	51	1.10
5/18/2018 20:00	69.00	3565	36	1.00
5/18/2018 21:00	69.40	3007	29	1.00
5/18/2018 22:00	70.20	2302	10	0.40
5/18/2018 23:00	69.80	1501	6	0.40
5/19/2018 0:00	69.60	893	5	0.60
5/19/2018 1:00	69.40	684	3	0.40
5/19/2018 2:00	69.50	498	3	0.60
5/19/2018 3:00	69.20	443	3	0.70
5/19/2018 4:00	69.60	764	3	0.40
5/19/2018 5:00	69.60	1527	10	0.70
5/19/2018 6:00	69.80	2789	25	0.90
5/19/2018 7:00	69.00	3839	46	1.20
5/19/2018 8:00	69.40	5406	82	1.50
5/19/2018 9:00	68.30	6179	92	1.50
5/19/2018 10:00	68.80	6510	83	1.30
5/19/2018 11:00	68.20	6674	115	1.70
5/19/2018 12:00	67.30	6727	100	1.50
5/19/2018 13:00	67.60	6855	99	1.40
5/19/2018 14:00	67.70	6425	64	1.00
5/19/2018 15:00	68.60	5925	71	1.20
5/19/2018 16:00	68.90	5789	62	1.10
5/19/2018 17:00	69.00	5839	97	1.70
5/19/2018 18:00	69.40	5165	53	1.00
5/19/2018 19:00	70.00	4088	47	1.10
5/19/2018 20:00	68.80	3409	39	1.10
5/19/2018 21:00	69.00	2926	27	0.90
5/19/2018 22:00	70.20	2324	15	0.60
5/19/2018 23:00	69.70	1595	4	0.30
5/20/2018 0:00	69.40	1033	5	0.50
5/20/2018 1:00	69.50	756	0	0.00
5/20/2018 2:00	69.50	570	0	0.00
5/20/2018 3:00	69.80	399	0	0.00
5/20/2018 4:00	69.80	496	2	0.40
5/20/2018 5:00	69.60	1097	4	0.40
5/20/2018 6:00	69.80	1867	6	0.30
5/20/2018 7:00	69.30	2657	10	0.40
5/20/2018 8:00	68.70	3996	32	0.80
5/20/2018 9:00	67.90	5257	56	1.10
5/20/2018 10:00	67.40	6118	70	1.10
5/20/2018 11:00	66.70	6368	85	1.30
5/20/2018 12:00	66.50	6500	76	1.20
5/20/2018 13:00	66.10	6242	50	0.80
5/20/2018 14:00	66.90	5773	61	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/20/2018 15:00	67.50	5488	62	1.10
5/20/2018 16:00	67.80	5160	50	1.00
5/20/2018 17:00	67.50	4747	69	1.50
5/20/2018 18:00	68.10	3871	49	1.30
5/20/2018 19:00	68.70	3162	27	0.90
5/20/2018 20:00	68.30	2619	17	0.60
5/20/2018 21:00	69.40	2057	11	0.50
5/20/2018 22:00	69.20	1510	12	0.80
5/20/2018 23:00	69.10	926	3	0.30
5/21/2018 0:00	69.80	492	0	0.00
5/21/2018 1:00	68.90	367	5	1.40
5/21/2018 2:00	69.60	281	0	0.00
5/21/2018 3:00	69.50	439	2	0.50
5/21/2018 4:00	69.50	1298	6	0.50
5/21/2018 5:00	70.10	4564	34	0.70
5/21/2018 6:00	46.20	9241	404	4.40
5/21/2018 7:00	26.10	9303	760	8.20
5/21/2018 8:00	56.70	8181	185	2.30
5/21/2018 9:00	65.00	6770	153	2.30
5/21/2018 10:00	66.30	6197	110	1.80
5/21/2018 11:00	65.90	5968	129	2.20
5/21/2018 12:00	66.20	5620	129	2.30
5/21/2018 13:00	65.70	5757	112	1.90
5/21/2018 14:00	66.30	6014	123	2.00
5/21/2018 15:00	67.00	6011	93	1.50
5/21/2018 16:00	68.10	5705	81	1.40
5/21/2018 17:00	68.80	5658	88	1.60
5/21/2018 18:00	68.90	4477	46	1.00
5/21/2018 19:00	69.60	3228	33	1.00
5/21/2018 20:00	68.50	2667	36	1.30
5/21/2018 21:00	69.10	2103	8	0.40
5/21/2018 22:00	70.00	1391	1	0.10
5/21/2018 23:00	69.60	926	6	0.60
5/22/2018 0:00	69.60	533	1	0.20
5/22/2018 1:00	69.80	314	0	0.00
5/22/2018 2:00	69.60	315	1	0.30
5/22/2018 3:00	69.10	405	7	1.70
5/22/2018 4:00	69.60	1337	8	0.60
5/22/2018 5:00	70.00	4714	47	1.00
5/22/2018 6:00	59.10	9704	449	4.60
5/22/2018 7:00	22.90	9146	767	8.40
5/22/2018 8:00	40.50	8882	337	3.80
5/22/2018 9:00	65.20	7269	147	2.00
5/22/2018 10:00	66.30	6489	119	1.80
5/22/2018 11:00	66.70	6214	109	1.80
5/22/2018 12:00	66.30	6174	155	2.50
5/22/2018 13:00	66.60	5947	134	2.30
5/22/2018 14:00	65.10	5969	123	2.10
5/22/2018 15:00	67.00	6172	101	1.60
5/22/2018 16:00	67.10	6315	111	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/22/2018 17:00	68.50	6285	112	1.80
5/22/2018 18:00	69.40	5027	78	1.60
5/22/2018 19:00	69.30	3930	62	1.60
5/22/2018 20:00	68.40	3056	40	1.30
5/22/2018 21:00	69.90	2493	23	0.90
5/22/2018 22:00	69.00	1751	10	0.60
5/22/2018 23:00	68.60	1466	17	1.20
5/23/2018 0:00	68.80	592	6	1.00
5/23/2018 1:00	69.00	384	5	1.30
5/23/2018 2:00	69.40	352	3	0.90
5/23/2018 3:00	69.60	464	5	1.10
5/23/2018 4:00	70.10	1344	6	0.40
5/23/2018 5:00	70.70	4709	29	0.60
5/23/2018 6:00	61.70	9579	238	2.50
5/23/2018 7:00	37.60	9835	570	5.80
5/23/2018 8:00	51.00	8629	194	2.20
5/23/2018 9:00	65.00	7481	150	2.00
5/23/2018 10:00	65.80	6463	121	1.90
5/23/2018 11:00	65.50	6266	137	2.20
5/23/2018 12:00	65.40	6462	146	2.30
5/23/2018 13:00	65.60	6167	122	2.00
5/23/2018 14:00	66.70	6251	126	2.00
5/23/2018 15:00	66.40	6188	101	1.60
5/23/2018 16:00	67.80	6163	99	1.60
5/23/2018 17:00	68.70	6081	70	1.20
5/23/2018 18:00	69.00	5000	74	1.50
5/23/2018 19:00	69.40	3735	56	1.50
5/23/2018 20:00	68.50	3109	38	1.20
5/23/2018 21:00	69.70	2468	16	0.60
5/23/2018 22:00	69.30	1573	3	0.20
5/23/2018 23:00	69.30	1024	3	0.30
5/24/2018 0:00	69.40	573	3	0.50
5/24/2018 1:00	69.40	355	1	0.30
5/24/2018 2:00	69.20	364	6	1.60
5/24/2018 3:00	69.00	483	7	1.40
5/24/2018 4:00	69.90	1340	5	0.40
5/24/2018 5:00	68.50	4654	52	1.10
5/24/2018 6:00	55.00	9068	563	6.20
5/24/2018 7:00	28.30	9285	576	6.20
5/24/2018 8:00	53.70	9230	175	1.90
5/24/2018 9:00	62.60	7483	186	2.50
5/24/2018 10:00	66.20	6406	117	1.80
5/24/2018 11:00	66.70	6099	119	2.00
5/24/2018 12:00	67.60	5952	121	2.00
5/24/2018 13:00	66.50	6016	143	2.40
5/24/2018 14:00	66.40	6226	137	2.20
5/24/2018 15:00	66.80	6346	104	1.60
5/24/2018 16:00	67.60	6374	114	1.80
5/24/2018 17:00	68.60	6481	96	1.50
5/24/2018 18:00	69.90	5215	69	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/24/2018 19:00	69.70	4142	60	1.40
5/24/2018 20:00	68.80	3164	36	1.10
5/24/2018 21:00	69.10	2815	40	1.40
5/24/2018 22:00	69.40	2068	7	0.30
5/24/2018 23:00	69.00	1713	6	0.40
5/25/2018 0:00	69.30	675	5	0.70
5/25/2018 1:00	69.30	494	6	1.20
5/25/2018 2:00	69.10	407	5	1.20
5/25/2018 3:00	68.90	469	3	0.60
5/25/2018 4:00	69.60	1310	7	0.50
5/25/2018 5:00	69.80	4150	35	0.80
5/25/2018 6:00	65.60	8650	193	2.20
5/25/2018 7:00	63.70	9164	213	2.30
5/25/2018 8:00	65.10	7877	175	2.20
5/25/2018 9:00	64.90	7701	198	2.60
5/25/2018 10:00	66.00	7101	150	2.10
5/25/2018 11:00	66.00	6849	122	1.80
5/25/2018 12:00	66.40	6673	109	1.60
5/25/2018 13:00	66.10	6575	136	2.10
5/25/2018 14:00	66.60	6772	138	2.00
5/25/2018 15:00	67.30	6425	100	1.60
5/25/2018 16:00	67.50	6484	101	1.60
5/25/2018 17:00	68.80	6186	87	1.40
5/25/2018 18:00	70.00	5283	78	1.50
5/25/2018 19:00	70.10	4557	39	0.90
5/25/2018 20:00	69.30	3651	46	1.30
5/25/2018 21:00	68.90	3209	42	1.30
5/25/2018 22:00	68.90	2587	17	0.70
5/25/2018 23:00	69.00	1725	7	0.40
5/26/2018 0:00	69.50	1070	1	0.10
5/26/2018 1:00	69.50	717	1	0.10
5/26/2018 2:00	69.30	561	3	0.50
5/26/2018 3:00	69.50	458	0	0.00
5/26/2018 4:00	69.70	708	4	0.60
5/26/2018 5:00	69.90	1386	9	0.60
5/26/2018 6:00	70.10	2508	16	0.60
5/26/2018 7:00	69.60	3662	25	0.70
5/26/2018 8:00	68.70	4942	55	1.10
5/26/2018 9:00	68.20	6124	61	1.00
5/26/2018 10:00	68.00	6578	75	1.10
5/26/2018 11:00	67.10	6868	90	1.30
5/26/2018 12:00	67.40	6559	79	1.20
5/26/2018 13:00	67.40	6342	77	1.20
5/26/2018 14:00	67.70	6060	72	1.20
5/26/2018 15:00	68.40	5879	72	1.20
5/26/2018 16:00	68.90	5666	62	1.10
5/26/2018 17:00	68.80	5248	46	0.90
5/26/2018 18:00	69.40	4711	42	0.90
5/26/2018 19:00	69.90	3864	40	1.00
5/26/2018 20:00	68.90	3321	37	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/26/2018 21:00	69.70	3019	26	0.90
5/26/2018 22:00	70.00	2543	15	0.60
5/26/2018 23:00	69.90	1701	8	0.50
5/27/2018 0:00	69.90	1096	3	0.30
5/27/2018 1:00	69.70	725	1	0.10
5/27/2018 2:00	69.70	578	2	0.30
5/27/2018 3:00	69.90	436	1	0.20
5/27/2018 4:00	69.40	547	2	0.40
5/27/2018 5:00	69.90	1063	3	0.30
5/27/2018 6:00	69.60	1872	5	0.30
5/27/2018 7:00	69.50	2437	15	0.60
5/27/2018 8:00	69.00	3632	31	0.90
5/27/2018 9:00	67.60	5129	36	0.70
5/27/2018 10:00	67.40	6095	79	1.30
5/27/2018 11:00	66.10	6600	59	0.90
5/27/2018 12:00	65.80	6615	76	1.10
5/27/2018 13:00	66.40	6256	54	0.90
5/27/2018 14:00	66.80	5447	60	1.10
5/27/2018 15:00	67.00	5413	53	1.00
5/27/2018 16:00	67.70	5174	62	1.20
5/27/2018 17:00	68.00	4687	37	0.80
5/27/2018 18:00	69.10	4076	45	1.10
5/27/2018 19:00	69.10	3543	31	0.90
5/27/2018 20:00	67.90	3236	29	0.90
5/27/2018 21:00	69.60	2685	14	0.50
5/27/2018 22:00	69.50	2115	11	0.50
5/27/2018 23:00	69.90	1336	1	0.10
5/28/2018 0:00	69.60	800	4	0.50
5/28/2018 1:00	69.90	591	0	0.00
5/28/2018 2:00	69.40	415	2	0.50
5/28/2018 3:00	69.20	441	3	0.70
5/28/2018 4:00	69.80	595	3	0.50
5/28/2018 5:00	69.80	1290	7	0.50
5/28/2018 6:00	69.70	2112	16	0.80
5/28/2018 7:00	69.00	2421	22	0.90
5/28/2018 8:00	69.30	3360	22	0.70
5/28/2018 9:00	69.20	4736	49	1.00
5/28/2018 10:00	68.50	5454	64	1.20
5/28/2018 11:00	69.10	5834	57	1.00
5/28/2018 12:00	67.50	6202	62	1.00
5/28/2018 13:00	68.20	5913	39	0.70
5/28/2018 14:00	68.40	5558	40	0.70
5/28/2018 15:00	68.60	5114	44	0.90
5/28/2018 16:00	68.70	4919	44	0.90
5/28/2018 17:00	68.50	4578	30	0.70
5/28/2018 18:00	69.70	3971	33	0.80
5/28/2018 19:00	70.30	3508	23	0.70
5/28/2018 20:00	69.40	2785	14	0.50
5/28/2018 21:00	69.90	2305	14	0.60
5/28/2018 22:00	70.00	1626	2	0.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/28/2018 23:00	69.90	1075	2	0.20
5/29/2018 0:00	69.50	616	4	0.60
5/29/2018 1:00	69.70	365	1	0.30
5/29/2018 2:00	69.10	314	4	1.30
5/29/2018 3:00	69.20	460	1	0.20
5/29/2018 4:00	69.00	1296	13	1.00
5/29/2018 5:00	69.30	4728	41	0.90
5/29/2018 6:00	61.70	9157	171	1.90
5/29/2018 7:00	36.30	9483	962	10.10
5/29/2018 8:00	54.30	8755	190	2.20
5/29/2018 9:00	64.10	7100	136	1.90
5/29/2018 10:00	66.70	6443	112	1.70
5/29/2018 11:00	66.00	5994	117	2.00
5/29/2018 12:00	65.80	6214	130	2.10
5/29/2018 13:00	66.20	6136	118	1.90
5/29/2018 14:00	66.70	6118	112	1.80
5/29/2018 15:00	66.70	6164	88	1.40
5/29/2018 16:00	67.80	6036	66	1.10
5/29/2018 17:00	68.40	6048	83	1.40
5/29/2018 18:00	68.90	4814	60	1.20
5/29/2018 19:00	69.80	3547	32	0.90
5/29/2018 20:00	69.20	2839	30	1.10
5/29/2018 21:00	69.60	2216	19	0.90
5/29/2018 22:00	69.90	1498	7	0.50
5/29/2018 23:00	69.20	920	6	0.70
5/30/2018 0:00	69.80	522	1	0.20
5/30/2018 1:00	69.50	335	1	0.30
5/30/2018 2:00	69.90	313	4	1.30
5/30/2018 3:00	69.10	483	3	0.60
5/30/2018 4:00	68.90	1313	5	0.40
5/30/2018 5:00	69.00	4772	42	0.90
5/30/2018 6:00	62.50	9460	197	2.10
5/30/2018 7:00	28.90	9142	293	3.20
5/30/2018 8:00	19.70	8602	545	6.30
5/30/2018 9:00	42.80	7918	223	2.80
5/30/2018 10:00	65.20	6536	120	1.80
5/30/2018 11:00	66.20	6173	124	2.00
5/30/2018 12:00	66.30	6150	122	2.00
5/30/2018 13:00	65.40	6223	138	2.20
5/30/2018 14:00	65.70	6257	133	2.10
5/30/2018 15:00	66.60	6066	83	1.40
5/30/2018 16:00	67.30	6354	75	1.20
5/30/2018 17:00	68.00	6467	88	1.40
5/30/2018 18:00	68.50	5150	67	1.30
5/30/2018 19:00	69.70	3772	45	1.20
5/30/2018 20:00	68.20	3124	33	1.10
5/30/2018 21:00	69.30	2494	18	0.70
5/30/2018 22:00	69.50	1633	11	0.70
5/30/2018 23:00	69.30	1043	12	1.20
5/31/2018 0:00	69.30	606	4	0.70



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
5/31/2018 1:00	69.30	400	1	0.30
5/31/2018 2:00	69.30	330	5	1.50
5/31/2018 3:00	69.20	451	2	0.40
5/31/2018 4:00	69.00	1334	15	1.10
5/31/2018 5:00	70.10	4789	36	0.80
5/31/2018 6:00	36.10	8480	99	1.20
5/31/2018 7:00	18.00	8567	635	7.40
5/31/2018 8:00	19.80	8507	465	5.50
5/31/2018 9:00	40.20	7560	332	4.40
5/31/2018 10:00	65.60	6631	115	1.70
5/31/2018 11:00	66.30	6329	121	1.90
5/31/2018 12:00	66.20	6176	139	2.30
5/31/2018 13:00	65.70	6054	125	2.10
5/31/2018 14:00	66.50	6267	123	2.00
5/31/2018 15:00	65.80	6362	96	1.50
5/31/2018 16:00	66.80	6280	96	1.50
5/31/2018 17:00	67.80	6421	72	1.10
5/31/2018 18:00	69.30	5123	77	1.50
5/31/2018 19:00	69.50	3884	49	1.30
5/31/2018 20:00	67.80	3103	37	1.20
5/31/2018 21:00	68.30	2638	23	0.90
5/31/2018 22:00	69.80	1777	12	0.70
5/31/2018 23:00	69.00	1172	7	0.60
6/01/2018 0:00	69.80	711	2	0.30
6/01/2018 1:00	69.50	396	2	0.50
6/01/2018 2:00	69.40	390	0	0.00
6/01/2018 3:00	69.30	498	2	0.40
6/01/2018 4:00	69.50	1323	6	0.50
6/01/2018 5:00	70.00	4286	45	1.00
6/01/2018 6:00	64.60	9130	193	2.10
6/01/2018 7:00	27.50	8922	405	4.50
6/01/2018 8:00	38.30	8050	441	5.50
6/01/2018 9:00	63.70	7927	152	1.90
6/01/2018 10:00	64.50	7097	136	1.90
6/01/2018 11:00	64.10	6846	141	2.10
6/01/2018 12:00	64.50	6731	140	2.10
6/01/2018 13:00	64.50	6730	140	2.10
6/01/2018 14:00	64.50	6597	107	1.60
6/01/2018 15:00	65.90	6576	92	1.40
6/01/2018 16:00	66.30	6453	99	1.50
6/01/2018 17:00	66.80	6561	96	1.50
6/01/2018 18:00	68.00	5633	85	1.50
6/01/2018 19:00	68.10	4532	50	1.10
6/01/2018 20:00	67.90	3725	59	1.60
6/01/2018 21:00	69.20	3029	37	1.20
6/01/2018 22:00	70.00	2449	13	0.50
6/01/2018 23:00	69.60	1604	6	0.40
6/02/2018 0:00	69.70	1017	6	0.60
6/02/2018 1:00	69.80	702	0	0.00
6/02/2018 2:00	69.60	527	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/02/2018 3:00	69.50	450	2	0.40
6/02/2018 4:00	69.40	727	5	0.70
6/02/2018 5:00	70.00	1478	9	0.60
6/02/2018 6:00	69.90	2742	22	0.80
6/02/2018 7:00	68.80	3990	43	1.10
6/02/2018 8:00	68.10	5789	67	1.20
6/02/2018 9:00	67.00	6737	89	1.30
6/02/2018 10:00	66.70	7085	95	1.30
6/02/2018 11:00	66.50	7249	82	1.10
6/02/2018 12:00	66.40	7293	93	1.30
6/02/2018 13:00	66.50	6976	96	1.40
6/02/2018 14:00	67.20	6652	87	1.30
6/02/2018 15:00	67.40	6325	80	1.30
6/02/2018 16:00	68.20	5971	60	1.00
6/02/2018 17:00	68.60	5478	57	1.00
6/02/2018 18:00	69.00	4927	54	1.10
6/02/2018 19:00	69.70	4091	38	0.90
6/02/2018 20:00	69.20	3586	27	0.80
6/02/2018 21:00	69.40	3151	17	0.50
6/02/2018 22:00	69.00	2771	25	0.90
6/02/2018 23:00	68.70	2081	28	1.30
6/03/2018 0:00	69.90	1036	1	0.10
6/03/2018 1:00	69.90	759	1	0.10
6/03/2018 2:00	69.70	585	4	0.70
6/03/2018 3:00	69.80	429	0	0.00
6/03/2018 4:00	70.20	884	2	0.20
6/03/2018 5:00	69.70	1437	5	0.30
6/03/2018 6:00	69.60	1976	8	0.40
6/03/2018 7:00	69.40	2546	11	0.40
6/03/2018 8:00	68.90	4022	39	1.00
6/03/2018 9:00	66.90	5591	53	0.90
6/03/2018 10:00	66.60	6260	60	1.00
6/03/2018 11:00	65.90	6765	66	1.00
6/03/2018 12:00	64.60	6751	98	1.50
6/03/2018 13:00	64.80	6444	73	1.10
6/03/2018 14:00	66.60	5946	68	1.10
6/03/2018 15:00	66.80	5504	55	1.00
6/03/2018 16:00	66.10	3945	53	1.30
6/03/2018 17:00	65.20	2354	72	3.10
6/03/2018 18:00	67.10	2081	37	1.80
6/03/2018 19:00	66.70	1473	24	1.60
6/03/2018 20:00	67.10	1481	43	2.90
6/03/2018 21:00	67.90	1774	58	3.30
6/03/2018 22:00	69.60	1533	5	0.30
6/03/2018 23:00	69.90	991	1	0.10
6/04/2018 0:00	69.80	575	0	0.00
6/04/2018 1:00	69.40	361	0	0.00
6/04/2018 2:00	69.60	318	2	0.60
6/04/2018 3:00	68.90	472	3	0.60
6/04/2018 4:00	69.60	1254	5	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/04/2018 5:00	69.40	4624	35	0.80
6/04/2018 6:00	52.50	9208	552	6.00
6/04/2018 7:00	27.20	9348	952	10.20
6/04/2018 8:00	29.00	8396	439	5.20
6/04/2018 9:00	64.40	6833	151	2.20
6/04/2018 10:00	64.90	6338	110	1.70
6/04/2018 11:00	65.60	5889	102	1.70
6/04/2018 12:00	64.50	5924	123	2.10
6/04/2018 13:00	65.70	6026	105	1.70
6/04/2018 14:00	65.40	6028	120	2.00
6/04/2018 15:00	66.50	6132	72	1.20
6/04/2018 16:00	67.00	6140	77	1.30
6/04/2018 17:00	67.80	5970	82	1.40
6/04/2018 18:00	68.10	4701	63	1.30
6/04/2018 19:00	68.70	3723	44	1.20
6/04/2018 20:00	68.20	2828	22	0.80
6/04/2018 21:00	69.00	2204	16	0.70
6/04/2018 22:00	69.90	1583	5	0.30
6/04/2018 23:00	69.80	895	0	0.00
6/05/2018 0:00	69.80	515	0	0.00
6/05/2018 1:00	69.50	348	0	0.00
6/05/2018 2:00	69.60	311	3	1.00
6/05/2018 3:00	69.00	473	3	0.60
6/05/2018 4:00	69.50	1373	8	0.60
6/05/2018 5:00	70.00	4811	36	0.70
6/05/2018 6:00	60.80	9470	238	2.50
6/05/2018 7:00	27.90	9369	322	3.40
6/05/2018 8:00	18.90	8084	207	2.60
6/05/2018 9:00	60.50	7252	142	2.00
6/05/2018 10:00	65.70	6616	119	1.80
6/05/2018 11:00	65.90	6263	132	2.10
6/05/2018 12:00	66.40	6104	122	2.00
6/05/2018 13:00	66.20	6175	143	2.30
6/05/2018 14:00	65.60	6262	123	2.00
6/05/2018 15:00	66.80	6151	85	1.40
6/05/2018 16:00	67.10	6432	116	1.80
6/05/2018 17:00	67.90	6404	106	1.70
6/05/2018 18:00	67.80	5242	77	1.50
6/05/2018 19:00	69.50	4015	47	1.20
6/05/2018 20:00	68.20	3040	41	1.30
6/05/2018 21:00	69.50	2516	14	0.60
6/05/2018 22:00	69.20	1558	12	0.80
6/05/2018 23:00	69.70	999	1	0.10
6/06/2018 0:00	69.60	555	4	0.70
6/06/2018 1:00	69.50	361	2	0.60
6/06/2018 2:00	69.20	309	7	2.30
6/06/2018 3:00	69.30	507	3	0.60
6/06/2018 4:00	69.50	1355	6	0.40
6/06/2018 5:00	70.00	4742	22	0.50
6/06/2018 6:00	58.00	9460	354	3.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/06/2018 7:00	24.10	9139	846	9.30
6/06/2018 8:00	42.00	8732	327	3.70
6/06/2018 9:00	64.20	7238	109	1.50
6/06/2018 10:00	65.10	6649	123	1.80
6/06/2018 11:00	66.50	6460	105	1.60
6/06/2018 12:00	66.10	6389	128	2.00
6/06/2018 13:00	65.00	6260	126	2.00
6/06/2018 14:00	65.30	6300	124	2.00
6/06/2018 15:00	66.60	6102	94	1.50
6/06/2018 16:00	67.30	6220	82	1.30
6/06/2018 17:00	68.30	6324	84	1.30
6/06/2018 18:00	68.20	5124	84	1.60
6/06/2018 19:00	68.80	3885	48	1.20
6/06/2018 20:00	68.90	3228	32	1.00
6/06/2018 21:00	70.00	2577	9	0.30
6/06/2018 22:00	69.00	1758	16	0.90
6/06/2018 23:00	69.50	1068	5	0.50
6/07/2018 0:00	70.30	593	2	0.30
6/07/2018 1:00	69.30	385	3	0.80
6/07/2018 2:00	69.80	345	5	1.40
6/07/2018 3:00	69.00	512	4	0.80
6/07/2018 4:00	70.30	1356	5	0.40
6/07/2018 5:00	70.20	4437	33	0.70
6/07/2018 6:00	61.10	9627	222	2.30
6/07/2018 7:00	22.30	8655	210	2.40
6/07/2018 8:00	16.30	7542	542	7.20
6/07/2018 9:00	44.80	7865	270	3.40
6/07/2018 10:00	65.40	6797	151	2.20
6/07/2018 11:00	65.60	6816	110	1.60
6/07/2018 12:00	65.70	6601	133	2.00
6/07/2018 13:00	65.50	6283	113	1.80
6/07/2018 14:00	65.90	6383	114	1.80
6/07/2018 15:00	66.00	6300	98	1.60
6/07/2018 16:00	66.80	6316	112	1.80
6/07/2018 17:00	67.70	6645	103	1.60
6/07/2018 18:00	69.20	5403	88	1.60
6/07/2018 19:00	69.00	4192	62	1.50
6/07/2018 20:00	68.50	3317	38	1.10
6/07/2018 21:00	69.10	2884	30	1.00
6/07/2018 22:00	69.50	1890	8	0.40
6/07/2018 23:00	70.10	1168	3	0.30
6/08/2018 0:00	69.60	722	2	0.30
6/08/2018 1:00	69.40	472	0	0.00
6/08/2018 2:00	69.30	408	1	0.20
6/08/2018 3:00	69.20	515	1	0.20
6/08/2018 4:00	69.80	1343	1	0.10
6/08/2018 5:00	69.50	4308	48	1.10
6/08/2018 6:00	64.30	9042	178	2.00
6/08/2018 7:00	47.70	9157	270	2.90
6/08/2018 8:00	54.50	8147	317	3.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/08/2018 9:00	63.60	7755	188	2.40
6/08/2018 10:00	65.00	7076	149	2.10
6/08/2018 11:00	65.20	6798	130	1.90
6/08/2018 12:00	65.50	6659	126	1.90
6/08/2018 13:00	65.50	6674	165	2.50
6/08/2018 14:00	65.80	6749	130	1.90
6/08/2018 15:00	66.40	6583	109	1.70
6/08/2018 16:00	67.20	6476	93	1.40
6/08/2018 17:00	68.10	6474	93	1.40
6/08/2018 18:00	68.50	5754	92	1.60
6/08/2018 19:00	69.10	4533	41	0.90
6/08/2018 20:00	68.70	3662	54	1.50
6/08/2018 21:00	69.30	3129	32	1.00
6/08/2018 22:00	69.80	2469	8	0.30
6/08/2018 23:00	69.40	1624	1	0.10
6/09/2018 0:00	70.00	1004	2	0.20
6/09/2018 1:00	69.50	694	1	0.10
6/09/2018 2:00	69.20	544	3	0.60
6/09/2018 3:00	42.40	360	20	5.60
6/09/2018 4:00	62.90	784	11	1.40
6/09/2018 5:00	39.70	1548	13	0.80
6/09/2018 6:00	61.10	2615	71	2.70
6/09/2018 7:00	68.70	4182	43	1.00
6/09/2018 8:00	68.30	5767	76	1.30
6/09/2018 9:00	67.30	6903	98	1.40
6/09/2018 10:00	66.70	7272	106	1.50
6/09/2018 11:00	65.30	7417	70	0.90
6/09/2018 12:00	65.90	7307	96	1.30
6/09/2018 13:00	66.50	6975	111	1.60
6/09/2018 14:00	67.30	6548	82	1.30
6/09/2018 15:00	67.70	6193	64	1.00
6/09/2018 16:00	67.90	5978	67	1.10
6/09/2018 17:00	68.20	5758	81	1.40
6/09/2018 18:00	68.80	5111	55	1.10
6/09/2018 19:00	69.40	4167	39	0.90
6/09/2018 20:00	69.40	3455	23	0.70
6/09/2018 21:00	69.10	3135	28	0.90
6/09/2018 22:00	69.80	2429	16	0.70
6/09/2018 23:00	69.90	1662	3	0.20
6/10/2018 0:00	69.20	940	2	0.20
6/10/2018 1:00	69.80	782	2	0.30
6/10/2018 2:00	69.90	576	0	0.00
6/10/2018 3:00	69.80	437	0	0.00
6/10/2018 4:00	69.60	637	1	0.20
6/10/2018 5:00	69.70	1174	1	0.10
6/10/2018 6:00	70.00	1930	4	0.20
6/10/2018 7:00	70.20	2665	7	0.30
6/10/2018 8:00	68.50	4062	18	0.40
6/10/2018 9:00	67.10	5841	55	0.90
6/10/2018 10:00	66.10	6771	70	1.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/10/2018 11:00	64.80	7202	72	1.00
6/10/2018 12:00	64.90	7063	87	1.20
6/10/2018 13:00	65.50	6603	60	0.90
6/10/2018 14:00	66.00	6094	65	1.10
6/10/2018 15:00	66.40	5678	59	1.00
6/10/2018 16:00	67.60	5200	42	0.80
6/10/2018 17:00	68.90	4826	57	1.20
6/10/2018 18:00	69.40	4310	44	1.00
6/10/2018 19:00	69.10	3434	26	0.80
6/10/2018 20:00	69.30	2784	14	0.50
6/10/2018 21:00	69.50	2298	10	0.40
6/10/2018 22:00	69.30	1641	8	0.50
6/10/2018 23:00	69.80	989	4	0.40
6/11/2018 0:00	69.70	638	2	0.30
6/11/2018 1:00	69.90	389	0	0.00
6/11/2018 2:00	69.10	328	3	0.90
6/11/2018 3:00	69.40	459	4	0.90
6/11/2018 4:00	69.60	1299	9	0.70
6/11/2018 5:00	69.40	4700	46	1.00
6/11/2018 6:00	51.50	9384	406	4.30
6/11/2018 7:00	31.20	8930	704	7.90
6/11/2018 8:00	60.90	8482	128	1.50
6/11/2018 9:00	64.60	7071	136	1.90
6/11/2018 10:00	65.50	6563	100	1.50
6/11/2018 11:00	65.80	6302	124	2.00
6/11/2018 12:00	65.40	6291	100	1.60
6/11/2018 13:00	65.90	5970	120	2.00
6/11/2018 14:00	65.70	5961	109	1.80
6/11/2018 15:00	66.60	6055	75	1.20
6/11/2018 16:00	66.90	5780	71	1.20
6/11/2018 17:00	67.20	5907	78	1.30
6/11/2018 18:00	68.50	4799	72	1.50
6/11/2018 19:00	68.20	3732	50	1.30
6/11/2018 20:00	68.30	3037	37	1.20
6/11/2018 21:00	69.20	2369	16	0.70
6/11/2018 22:00	69.70	1569	4	0.30
6/11/2018 23:00	69.50	1043	6	0.60
6/12/2018 0:00	69.70	576	0	0.00
6/12/2018 1:00	69.60	389	4	1.00
6/12/2018 2:00	69.10	334	4	1.20
6/12/2018 3:00	69.40	512	3	0.60
6/12/2018 4:00	69.80	1362	3	0.20
6/12/2018 5:00	70.10	4876	45	0.90
6/12/2018 6:00	61.70	9533	254	2.70
6/12/2018 7:00	32.60	9231	519	5.60
6/12/2018 8:00	33.90	8785	276	3.10
6/12/2018 9:00	57.00	7402	212	2.90
6/12/2018 10:00	65.90	6916	106	1.50
6/12/2018 11:00	66.00	6685	120	1.80
6/12/2018 12:00	66.10	6656	125	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/12/2018 13:00	65.80	6464	137	2.10
6/12/2018 14:00	65.90	6189	96	1.60
6/12/2018 15:00	66.70	6078	80	1.30
6/12/2018 16:00	67.00	6277	101	1.60
6/12/2018 17:00	68.10	6139	107	1.70
6/12/2018 18:00	68.30	5235	101	1.90
6/12/2018 19:00	68.50	4128	82	2.00
6/12/2018 20:00	68.00	3319	45	1.40
6/12/2018 21:00	69.10	2690	30	1.10
6/12/2018 22:00	69.50	1765	6	0.30
6/12/2018 23:00	69.40	1080	3	0.30
6/13/2018 0:00	69.80	627	2	0.30
6/13/2018 1:00	69.70	366	2	0.50
6/13/2018 2:00	69.70	376	3	0.80
6/13/2018 3:00	69.20	465	4	0.90
6/13/2018 4:00	69.20	1396	16	1.10
6/13/2018 5:00	70.90	4747	28	0.60
6/13/2018 6:00	54.40	9602	355	3.70
6/13/2018 7:00	23.50	9255	342	3.70
6/13/2018 8:00	40.50	8659	391	4.50
6/13/2018 9:00	51.00	7705	200	2.60
6/13/2018 10:00	64.50	7223	123	1.70
6/13/2018 11:00	64.60	7092	150	2.10
6/13/2018 12:00	65.00	7267	150	2.10
6/13/2018 13:00	64.30	6982	161	2.30
6/13/2018 14:00	64.70	6853	132	1.90
6/13/2018 15:00	65.80	6448	96	1.50
6/13/2018 16:00	66.60	6263	90	1.40
6/13/2018 17:00	68.00	6315	88	1.40
6/13/2018 18:00	68.50	5237	74	1.40
6/13/2018 19:00	68.40	4134	55	1.30
6/13/2018 20:00	68.20	3658	48	1.30
6/13/2018 21:00	68.80	2728	19	0.70
6/13/2018 22:00	69.10	1931	17	0.90
6/13/2018 23:00	69.30	1177	1	0.10
6/14/2018 0:00	69.60	640	3	0.50
6/14/2018 1:00	69.30	406	5	1.20
6/14/2018 2:00	69.20	357	4	1.10
6/14/2018 3:00	69.10	506	3	0.60
6/14/2018 4:00	68.90	1295	12	0.90
6/14/2018 5:00	70.10	4756	54	1.10
6/14/2018 6:00	55.00	9500	332	3.50
6/14/2018 7:00	23.80	8991	297	3.30
6/14/2018 8:00	20.40	8370	333	4.00
6/14/2018 9:00	45.10	8070	296	3.70
6/14/2018 10:00	64.30	7167	136	1.90
6/14/2018 11:00	65.10	6856	121	1.80
6/14/2018 12:00	64.50	6771	127	1.90
6/14/2018 13:00	65.40	6514	128	2.00
6/14/2018 14:00	65.30	6382	133	2.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/14/2018 15:00	65.90	6417	90	1.40
6/14/2018 16:00	65.50	6502	127	2.00
6/14/2018 17:00	67.10	6258	101	1.60
6/14/2018 18:00	66.60	5481	96	1.80
6/14/2018 19:00	68.30	4249	59	1.40
6/14/2018 20:00	68.90	3468	40	1.20
6/14/2018 21:00	69.30	2669	27	1.00
6/14/2018 22:00	69.20	1964	17	0.90
6/14/2018 23:00	69.20	1246	6	0.50
6/15/2018 0:00	69.80	648	4	0.60
6/15/2018 1:00	69.40	482	6	1.20
6/15/2018 2:00	69.60	424	2	0.50
6/15/2018 3:00	69.00	558	4	0.70
6/15/2018 4:00	69.70	1346	7	0.50
6/15/2018 5:00	69.20	4445	51	1.10
6/15/2018 6:00	63.80	9012	173	1.90
6/15/2018 7:00	61.50	8979	200	2.20
6/15/2018 8:00	62.80	8294	194	2.30
6/15/2018 9:00	63.70	7961	169	2.10
6/15/2018 10:00	63.80	7691	154	2.00
6/15/2018 11:00	64.30	7466	156	2.10
6/15/2018 12:00	63.90	6951	139	2.00
6/15/2018 13:00	64.00	6816	138	2.00
6/15/2018 14:00	64.40	6600	114	1.70
6/15/2018 15:00	65.60	6295	80	1.30
6/15/2018 16:00	66.80	6357	99	1.60
6/15/2018 17:00	66.80	6365	98	1.50
6/15/2018 18:00	67.80	5908	78	1.30
6/15/2018 19:00	68.30	4778	56	1.20
6/15/2018 20:00	68.30	3604	39	1.10
6/15/2018 21:00	69.10	3105	28	0.90
6/15/2018 22:00	70.00	2520	13	0.50
6/15/2018 23:00	69.50	1515	9	0.60
6/16/2018 0:00	70.30	1020	1	0.10
6/16/2018 1:00	69.90	666	4	0.60
6/16/2018 2:00	70.00	530	1	0.20
6/16/2018 3:00	69.60	456	1	0.20
6/16/2018 4:00	69.20	806	10	1.20
6/16/2018 5:00	69.30	1588	10	0.60
6/16/2018 6:00	69.10	2757	39	1.40
6/16/2018 7:00	68.80	3829	41	1.10
6/16/2018 8:00	68.70	5431	75	1.40
6/16/2018 9:00	67.10	6829	101	1.50
6/16/2018 10:00	66.60	7009	105	1.50
6/16/2018 11:00	66.30	7176	100	1.40
6/16/2018 12:00	66.70	7170	94	1.30
6/16/2018 13:00	66.90	6745	100	1.50
6/16/2018 14:00	67.40	6671	98	1.50
6/16/2018 15:00	68.30	6116	66	1.10
6/16/2018 16:00	68.00	5985	84	1.40



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/16/2018 17:00	68.40	5588	55	1.00
6/16/2018 18:00	69.20	5014	42	0.80
6/16/2018 19:00	70.40	3997	43	1.10
6/16/2018 20:00	69.50	3308	26	0.80
6/16/2018 21:00	69.10	2870	19	0.70
6/16/2018 22:00	69.90	2303	8	0.30
6/16/2018 23:00	69.80	1636	2	0.10
6/17/2018 0:00	70.00	1023	1	0.10
6/17/2018 1:00	69.60	626	2	0.30
6/17/2018 2:00	69.80	522	0	0.00
6/17/2018 3:00	69.80	471	1	0.20
6/17/2018 4:00	69.80	565	3	0.50
6/17/2018 5:00	69.80	1119	7	0.60
6/17/2018 6:00	69.50	1871	4	0.20
6/17/2018 7:00	70.20	2665	13	0.50
6/17/2018 8:00	69.20	3808	27	0.70
6/17/2018 9:00	67.70	5193	49	0.90
6/17/2018 10:00	66.80	6263	60	1.00
6/17/2018 11:00	66.90	6453	71	1.10
6/17/2018 12:00	66.10	6360	73	1.10
6/17/2018 13:00	66.70	6059	50	0.80
6/17/2018 14:00	67.40	5563	39	0.70
6/17/2018 15:00	67.50	5382	36	0.70
6/17/2018 16:00	68.40	5144	36	0.70
6/17/2018 17:00	69.00	4764	45	0.90
6/17/2018 18:00	69.30	4199	35	0.80
6/17/2018 19:00	69.70	3586	24	0.70
6/17/2018 20:00	69.30	3131	22	0.70
6/17/2018 21:00	69.60	2440	14	0.60
6/17/2018 22:00	69.40	1736	4	0.20
6/17/2018 23:00	69.40	1021	7	0.70
6/18/2018 0:00	69.60	625	6	1.00
6/18/2018 1:00	69.80	404	5	1.20
6/18/2018 2:00	69.20	307	0	0.00
6/18/2018 3:00	69.50	498	3	0.60
6/18/2018 4:00	69.70	1331	9	0.70
6/18/2018 5:00	70.40	4631	31	0.70
6/18/2018 6:00	51.30	9391	640	6.80
6/18/2018 7:00	26.20	8952	1363	15.20
6/18/2018 8:00	44.90	8504	319	3.80
6/18/2018 9:00	65.30	7295	120	1.60
6/18/2018 10:00	65.40	6495	95	1.50
6/18/2018 11:00	65.80	6181	113	1.80
6/18/2018 12:00	65.70	6181	122	2.00
6/18/2018 13:00	65.50	6084	111	1.80
6/18/2018 14:00	55.80	5821	125	2.10
6/18/2018 15:00	66.60	5768	77	1.30
6/18/2018 16:00	67.10	5941	92	1.50
6/18/2018 17:00	67.70	5896	103	1.70
6/18/2018 18:00	69.20	4731	67	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/18/2018 19:00	69.40	3651	36	1.00
6/18/2018 20:00	68.70	2994	31	1.00
6/18/2018 21:00	69.30	2359	16	0.70
6/18/2018 22:00	69.30	1617	10	0.60
6/18/2018 23:00	69.40	997	7	0.70
6/19/2018 0:00	69.50	574	4	0.70
6/19/2018 1:00	69.60	392	1	0.30
6/19/2018 2:00	69.00	288	3	1.00
6/19/2018 3:00	69.10	454	1	0.20
6/19/2018 4:00	69.70	1343	4	0.30
6/19/2018 5:00	70.90	4784	31	0.60
6/19/2018 6:00	53.10	9409	336	3.60
6/19/2018 7:00	47.20	9644	181	1.90
6/19/2018 8:00	51.10	8862	222	2.50
6/19/2018 9:00	64.30	7216	161	2.20
6/19/2018 10:00	65.80	6636	133	2.00
6/19/2018 11:00	65.30	6628	112	1.70
6/19/2018 12:00	65.80	6493	131	2.00
6/19/2018 13:00	65.20	6478	142	2.20
6/19/2018 14:00	65.40	6120	119	1.90
6/19/2018 15:00	66.80	6046	92	1.50
6/19/2018 16:00	67.50	6161	92	1.50
6/19/2018 17:00	68.10	6591	79	1.20
6/19/2018 18:00	68.20	5089	78	1.50
6/19/2018 19:00	69.30	4024	52	1.30
6/19/2018 20:00	69.00	3231	44	1.40
6/19/2018 21:00	69.30	2462	20	0.80
6/19/2018 22:00	69.60	1686	8	0.50
6/19/2018 23:00	69.60	1038	9	0.90
6/20/2018 0:00	69.00	548	3	0.50
6/20/2018 1:00	69.10	379	5	1.30
6/20/2018 2:00	69.50	324	2	0.60
6/20/2018 3:00	69.20	461	2	0.40
6/20/2018 4:00	69.60	1298	10	0.80
6/20/2018 5:00	70.00	4728	40	0.80
6/20/2018 6:00	44.00	8981	858	9.60
6/20/2018 7:00	22.00	8676	1232	14.20
6/20/2018 8:00	21.30	8761	422	4.80
6/20/2018 9:00	59.60	7443	173	2.30
6/20/2018 10:00	64.90	6941	138	2.00
6/20/2018 11:00	65.30	6844	149	2.20
6/20/2018 12:00	64.70	6715	134	2.00
6/20/2018 13:00	64.40	6610	171	2.60
6/20/2018 14:00	65.50	6113	99	1.60
6/20/2018 15:00	66.70	6132	83	1.40
6/20/2018 16:00	66.70	6118	101	1.70
6/20/2018 17:00	67.10	6389	97	1.50
6/20/2018 18:00	68.00	5209	74	1.40
6/20/2018 19:00	69.20	3965	47	1.20
6/20/2018 20:00	69.10	3190	35	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/20/2018 21:00	69.00	2480	28	1.10
6/20/2018 22:00	69.70	1834	10	0.50
6/20/2018 23:00	68.30	1526	24	1.60
6/21/2018 0:00	69.40	625	6	1.00
6/21/2018 1:00	69.50	435	3	0.70
6/21/2018 2:00	69.00	308	4	1.30
6/21/2018 3:00	69.00	536	4	0.70
6/21/2018 4:00	69.30	1424	11	0.80
6/21/2018 5:00	69.80	4621	38	0.80
6/21/2018 6:00	40.40	9030	791	8.80
6/21/2018 7:00	44.40	9530	207	2.20
6/21/2018 8:00	53.30	8712	153	1.80
6/21/2018 9:00	64.10	7366	153	2.10
6/21/2018 10:00	65.00	6930	108	1.60
6/21/2018 11:00	65.30	6749	134	2.00
6/21/2018 12:00	64.60	6954	149	2.10
6/21/2018 13:00	65.10	6459	152	2.40
6/21/2018 14:00	66.10	6329	133	2.10
6/21/2018 15:00	66.20	6350	91	1.40
6/21/2018 16:00	66.20	6400	73	1.10
6/21/2018 17:00	67.30	6676	104	1.60
6/21/2018 18:00	67.80	5598	78	1.40
6/21/2018 19:00	68.30	4250	57	1.30
6/21/2018 20:00	69.50	3331	38	1.10
6/21/2018 21:00	69.10	2670	24	0.90
6/21/2018 22:00	69.40	2007	13	0.60
6/21/2018 23:00	68.70	1907	20	1.00
6/22/2018 0:00	69.90	771	2	0.30
6/22/2018 1:00	69.80	547	1	0.20
6/22/2018 2:00	69.40	434	7	1.60
6/22/2018 3:00	69.30	555	6	1.10
6/22/2018 4:00	69.60	1342	5	0.40
6/22/2018 5:00	69.40	4331	31	0.70
6/22/2018 6:00	62.50	8830	192	2.20
6/22/2018 7:00	61.00	9294	210	2.30
6/22/2018 8:00	62.30	8413	267	3.20
6/22/2018 9:00	62.90	7860	165	2.10
6/22/2018 10:00	63.00	7682	138	1.80
6/22/2018 11:00	63.60	7356	149	2.00
6/22/2018 12:00	63.80	7106	118	1.70
6/22/2018 13:00	64.10	6844	125	1.80
6/22/2018 14:00	64.00	6480	134	2.10
6/22/2018 15:00	65.70	6296	70	1.10
6/22/2018 16:00	66.00	6410	85	1.30
6/22/2018 17:00	66.90	6297	91	1.40
6/22/2018 18:00	67.60	5546	81	1.50
6/22/2018 19:00	67.90	4624	59	1.30
6/22/2018 20:00	67.50	3767	56	1.50
6/22/2018 21:00	68.90	3117	36	1.20
6/22/2018 22:00	69.60	2388	24	1.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/22/2018 23:00	69.50	1630	16	1.00
6/23/2018 0:00	69.30	940	1	0.10
6/23/2018 1:00	69.50	753	0	0.00
6/23/2018 2:00	69.00	533	1	0.20
6/23/2018 3:00	69.40	478	3	0.60
6/23/2018 4:00	69.40	802	4	0.50
6/23/2018 5:00	70.10	1474	3	0.20
6/23/2018 6:00	69.90	2741	20	0.70
6/23/2018 7:00	68.60	3976	56	1.40
6/23/2018 8:00	68.10	5317	53	1.00
6/23/2018 9:00	67.00	6623	58	0.90
6/23/2018 10:00	66.20	7157	96	1.30
6/23/2018 11:00	66.40	6934	105	1.50
6/23/2018 12:00	65.40	6692	85	1.30
6/23/2018 13:00	65.50	6899	82	1.20
6/23/2018 14:00	67.10	6691	70	1.00
6/23/2018 15:00	67.40	6203	74	1.20
6/23/2018 16:00	68.50	5410	58	1.10
6/23/2018 17:00	68.40	5924	71	1.20
6/23/2018 18:00	69.20	5096	49	1.00
6/23/2018 19:00	69.80	4071	41	1.00
6/23/2018 20:00	68.90	3328	42	1.30
6/23/2018 21:00	68.80	2806	26	0.90
6/23/2018 22:00	69.60	2403	11	0.50
6/23/2018 23:00	68.80	1684	1	0.10
6/24/2018 0:00	69.80	1093	2	0.20
6/24/2018 1:00	69.80	765	1	0.10
6/24/2018 2:00	69.70	615	0	0.00
6/24/2018 3:00	69.70	464	0	0.00
6/24/2018 4:00	69.90	608	0	0.00
6/24/2018 5:00	69.40	1163	11	0.90
6/24/2018 6:00	69.90	1907	11	0.60
6/24/2018 7:00	69.20	2548	6	0.20
6/24/2018 8:00	68.70	3859	19	0.50
6/24/2018 9:00	67.20	5354	56	1.00
6/24/2018 10:00	66.10	6538	55	0.80
6/24/2018 11:00	65.30	6814	66	1.00
6/24/2018 12:00	64.50	6688	58	0.90
6/24/2018 13:00	65.50	6439	71	1.10
6/24/2018 14:00	65.50	6152	60	1.00
6/24/2018 15:00	65.80	5731	63	1.10
6/24/2018 16:00	67.20	5243	30	0.60
6/24/2018 17:00	68.60	4830	45	0.90
6/24/2018 18:00	68.80	4290	39	0.90
6/24/2018 19:00	69.00	3441	32	0.90
6/24/2018 20:00	68.90	2886	26	0.90
6/24/2018 21:00	69.20	2387	17	0.70
6/24/2018 22:00	69.80	1659	3	0.20
6/24/2018 23:00	69.50	1036	2	0.20
6/25/2018 0:00	69.50	602	3	0.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/25/2018 1:00	69.20	376	4	1.10
6/25/2018 2:00	69.30	268	2	0.70
6/25/2018 3:00	69.40	512	2	0.40
6/25/2018 4:00	68.90	1346	10	0.70
6/25/2018 5:00	69.30	4509	49	1.10
6/25/2018 6:00	63.20	9293	192	2.10
6/25/2018 7:00	57.40	9324	188	2.00
6/25/2018 8:00	62.60	8340	152	1.80
6/25/2018 9:00	65.00	6863	143	2.10
6/25/2018 10:00	65.70	6240	96	1.50
6/25/2018 11:00	65.70	6132	113	1.80
6/25/2018 12:00	65.50	6249	124	2.00
6/25/2018 13:00	65.00	6024	131	2.20
6/25/2018 14:00	65.60	5907	92	1.60
6/25/2018 15:00	66.00	5849	86	1.50
6/25/2018 16:00	67.20	5734	72	1.30
6/25/2018 17:00	68.00	5685	75	1.30
6/25/2018 18:00	68.90	4714	42	0.90
6/25/2018 19:00	69.60	3711	47	1.30
6/25/2018 20:00	68.50	2979	36	1.20
6/25/2018 21:00	68.90	2292	25	1.10
6/25/2018 22:00	69.30	1644	7	0.40
6/25/2018 23:00	69.50	969	1	0.10
6/26/2018 0:00	69.40	557	3	0.50
6/26/2018 1:00	69.50	346	2	0.60
6/26/2018 2:00	69.50	296	1	0.30
6/26/2018 3:00	69.40	508	5	1.00
6/26/2018 4:00	69.80	1362	8	0.60
6/26/2018 5:00	70.00	4758	26	0.50
6/26/2018 6:00	50.40	9439	644	6.80
6/26/2018 7:00	55.40	9857	212	2.20
6/26/2018 8:00	46.80	9036	197	2.20
6/26/2018 9:00	64.10	7464	130	1.70
6/26/2018 10:00	65.60	6781	114	1.70
6/26/2018 11:00	65.30	6411	139	2.20
6/26/2018 12:00	64.50	6590	119	1.80
6/26/2018 13:00	65.60	6208	113	1.80
6/26/2018 14:00	67.00	6071	101	1.70
6/26/2018 15:00	67.00	5913	85	1.40
6/26/2018 16:00	67.20	6070	91	1.50
6/26/2018 17:00	67.80	6323	94	1.50
6/26/2018 18:00	68.30	5169	86	1.70
6/26/2018 19:00	68.50	4110	64	1.60
6/26/2018 20:00	68.70	3230	53	1.60
6/26/2018 21:00	69.40	2623	20	0.80
6/26/2018 22:00	70.10	1763	10	0.60
6/26/2018 23:00	69.90	1060	3	0.30
6/27/2018 0:00	69.50	611	1	0.20
6/27/2018 1:00	69.20	392	2	0.50
6/27/2018 2:00	69.60	343	1	0.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/27/2018 3:00	69.30	507	3	0.60
6/27/2018 4:00	69.60	1442	7	0.50
6/27/2018 5:00	70.00	4651	38	0.80
6/27/2018 6:00	60.80	9474	450	4.70
6/27/2018 7:00	40.20	9509	236	2.50
6/27/2018 8:00	58.10	8564	146	1.70
6/27/2018 9:00	64.70	7742	157	2.00
6/27/2018 10:00	64.60	6965	130	1.90
6/27/2018 11:00	64.60	6786	129	1.90
6/27/2018 12:00	64.50	6711	135	2.00
6/27/2018 13:00	65.50	6177	116	1.90
6/27/2018 14:00	65.70	6201	102	1.60
6/27/2018 15:00	58.90	6007	143	2.40
6/27/2018 16:00	63.90	5986	89	1.50
6/27/2018 17:00	67.40	6490	109	1.70
6/27/2018 18:00	68.10	5203	50	1.00
6/27/2018 19:00	67.60	3990	58	1.50
6/27/2018 20:00	68.60	3264	51	1.60
6/27/2018 21:00	68.90	2686	30	1.10
6/27/2018 22:00	69.80	1825	17	0.90
6/27/2018 23:00	69.40	1219	6	0.50
6/28/2018 0:00	69.70	664	3	0.50
6/28/2018 1:00	69.50	454	6	1.30
6/28/2018 2:00	69.80	346	4	1.20
6/28/2018 3:00	69.20	548	6	1.10
6/28/2018 4:00	69.50	1445	8	0.60
6/28/2018 5:00	70.00	4646	40	0.90
6/28/2018 6:00	63.10	9536	205	2.10
6/28/2018 7:00	56.90	9806	256	2.60
6/28/2018 8:00	61.90	8635	191	2.20
6/28/2018 9:00	63.80	7878	147	1.90
6/28/2018 10:00	63.60	7129	126	1.80
6/28/2018 11:00	63.80	6777	120	1.80
6/28/2018 12:00	63.80	6912	141	2.00
6/28/2018 13:00	64.00	6527	155	2.40
6/28/2018 14:00	65.10	6223	106	1.70
6/28/2018 15:00	65.70	6305	84	1.30
6/28/2018 16:00	66.40	6258	109	1.70
6/28/2018 17:00	67.50	6387	77	1.20
6/28/2018 18:00	68.50	5299	75	1.40
6/28/2018 19:00	68.50	4164	55	1.30
6/28/2018 20:00	69.00	3219	35	1.10
6/28/2018 21:00	69.50	2680	18	0.70
6/28/2018 22:00	70.00	2002	16	0.80
6/28/2018 23:00	69.90	1284	2	0.20
6/29/2018 0:00	70.00	789	2	0.30
6/29/2018 1:00	69.90	506	2	0.40
6/29/2018 2:00	68.90	446	12	2.70
6/29/2018 3:00	69.60	638	8	1.30
6/29/2018 4:00	69.50	1464	16	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
6/29/2018 5:00	70.00	4452	49	1.10
6/29/2018 6:00	64.60	8876	202	2.30
6/29/2018 7:00	63.00	9124	216	2.40
6/29/2018 8:00	64.20	8396	198	2.40
6/29/2018 9:00	64.60	7867	204	2.60
6/29/2018 10:00	65.10	7242	155	2.10
6/29/2018 11:00	65.10	7183	156	2.20
6/29/2018 12:00	65.50	6873	146	2.10
6/29/2018 13:00	65.10	6828	148	2.20
6/29/2018 14:00	65.70	6543	100	1.50
6/29/2018 15:00	67.20	6433	87	1.40
6/29/2018 16:00	67.90	6005	86	1.40
6/29/2018 17:00	67.60	6570	85	1.30
6/29/2018 18:00	68.90	5759	79	1.40
6/29/2018 19:00	69.20	4617	66	1.40
6/29/2018 20:00	69.70	3615	42	1.20
6/29/2018 21:00	69.50	2921	25	0.90
6/29/2018 22:00	69.40	2658	31	1.20
6/29/2018 23:00	68.70	2035	19	0.90
6/30/2018 0:00	69.40	1050	6	0.60
6/30/2018 1:00	69.30	708	4	0.60
6/30/2018 2:00	69.50	563	3	0.50
6/30/2018 3:00	69.60	470	0	0.00
6/30/2018 4:00	69.30	811	4	0.50
6/30/2018 5:00	70.10	1517	11	0.70
6/30/2018 6:00	70.00	2691	21	0.80
6/30/2018 7:00	69.50	3851	35	0.90
6/30/2018 8:00	68.50	5128	59	1.20
6/30/2018 9:00	67.60	6736	78	1.20
6/30/2018 10:00	66.70	7212	94	1.30
6/30/2018 11:00	66.60	7136	84	1.20
6/30/2018 12:00	66.70	6552	73	1.10
6/30/2018 13:00	66.50	7018	101	1.40
6/30/2018 14:00	66.70	6665	66	1.00
6/30/2018 15:00	67.30	6319	61	1.00
6/30/2018 16:00	68.10	5968	77	1.30
6/30/2018 17:00	69.00	5638	58	1.00
6/30/2018 18:00	69.00	5072	52	1.00
6/30/2018 19:00	69.30	4164	30	0.70
6/30/2018 20:00	69.10	3305	27	0.80
6/30/2018 21:00	68.60	3026	27	0.90
6/30/2018 22:00	69.40	2464	17	0.70
6/30/2018 23:00	69.50	1724	2	0.10
7/01/2018 0:00	69.70	1103	2	0.20
7/01/2018 1:00	69.30	787	3	0.40
7/01/2018 2:00	69.60	587	0	0.00
7/01/2018 3:00	70.00	425	1	0.20
7/01/2018 4:00	70.20	567	4	0.70
7/01/2018 5:00	69.50	1045	6	0.60
7/01/2018 6:00	69.70	1877	16	0.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/01/2018 7:00	69.80	2434	6	0.20
7/01/2018 8:00	69.50	3799	25	0.70
7/01/2018 9:00	67.60	5545	66	1.20
7/01/2018 10:00	66.40	6719	76	1.10
7/01/2018 11:00	65.90	6771	68	1.00
7/01/2018 12:00	66.20	6541	67	1.00
7/01/2018 13:00	66.10	6415	66	1.00
7/01/2018 14:00	66.90	6197	52	0.80
7/01/2018 15:00	66.80	5699	59	1.00
7/01/2018 16:00	67.20	5239	46	0.90
7/01/2018 17:00	67.50	4820	46	1.00
7/01/2018 18:00	68.80	4220	28	0.70
7/01/2018 19:00	68.50	3499	36	1.00
7/01/2018 20:00	68.10	2980	28	0.90
7/01/2018 21:00	68.80	2271	22	1.00
7/01/2018 22:00	69.80	1675	3	0.20
7/01/2018 23:00	69.50	1031	3	0.30
7/02/2018 0:00	69.90	653	1	0.20
7/02/2018 1:00	69.60	363	2	0.60
7/02/2018 2:00	69.20	345	0	0.00
7/02/2018 3:00	69.10	464	0	0.00
7/02/2018 4:00	69.40	1277	10	0.80
7/02/2018 5:00	70.10	4421	32	0.70
7/02/2018 6:00	61.80	9229	370	4.00
7/02/2018 7:00	62.60	8897	203	2.30
7/02/2018 8:00	64.00	7753	173	2.20
7/02/2018 9:00	63.90	7718	201	2.60
7/02/2018 10:00	64.90	6931	142	2.00
7/02/2018 11:00	65.30	6527	115	1.80
7/02/2018 12:00	64.70	6598	147	2.20
7/02/2018 13:00	65.50	6350	120	1.90
7/02/2018 14:00	65.30	6107	97	1.60
7/02/2018 15:00	66.40	5723	68	1.20
7/02/2018 16:00	67.80	5846	75	1.30
7/02/2018 17:00	68.00	5977	90	1.50
7/02/2018 18:00	69.20	4888	50	1.00
7/02/2018 19:00	69.00	3829	53	1.40
7/02/2018 20:00	68.50	3072	34	1.10
7/02/2018 21:00	69.30	2353	12	0.50
7/02/2018 22:00	69.60	1627	8	0.50
7/02/2018 23:00	68.90	1078	10	0.90
7/03/2018 0:00	69.70	560	2	0.40
7/03/2018 1:00	69.40	382	4	1.00
7/03/2018 2:00	69.40	305	2	0.70
7/03/2018 3:00	69.10	472	1	0.20
7/03/2018 4:00	69.00	1346	7	0.50
7/03/2018 5:00	70.00	4100	18	0.40
7/03/2018 6:00	64.90	8686	179	2.10
7/03/2018 7:00	62.30	9117	252	2.80
7/03/2018 8:00	64.10	8385	195	2.30



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/03/2018 9:00	64.60	7695	169	2.20
7/03/2018 10:00	63.20	7453	175	2.30
7/03/2018 11:00	64.20	6491	145	2.20
7/03/2018 12:00	64.10	6684	156	2.30
7/03/2018 13:00	64.50	6700	133	2.00
7/03/2018 14:00	65.40	6546	123	1.90
7/03/2018 15:00	66.30	6336	90	1.40
7/03/2018 16:00	67.10	6214	71	1.10
7/03/2018 17:00	67.60	6395	101	1.60
7/03/2018 18:00	68.50	5550	75	1.40
7/03/2018 19:00	68.00	4638	64	1.40
7/03/2018 20:00	68.90	3712	45	1.20
7/03/2018 21:00	69.60	3012	27	0.90
7/03/2018 22:00	70.10	2247	10	0.40
7/03/2018 23:00	69.60	1545	6	0.40
7/04/2018 0:00	70.20	971	1	0.10
7/04/2018 1:00	70.00	657	2	0.30
7/04/2018 2:00	69.80	530	0	0.00
7/04/2018 3:00	69.60	472	1	0.20
7/04/2018 4:00	69.80	719	3	0.40
7/04/2018 5:00	70.20	1452	6	0.40
7/04/2018 6:00	70.30	2359	6	0.30
7/04/2018 7:00	69.60	2883	18	0.60
7/04/2018 8:00	68.80	3628	29	0.80
7/04/2018 9:00	68.80	4800	33	0.70
7/04/2018 10:00	68.80	5286	58	1.10
7/04/2018 11:00	68.10	5596	59	1.10
7/04/2018 12:00	68.50	5386	41	0.80
7/04/2018 13:00	68.60	5259	47	0.90
7/04/2018 14:00	68.60	5047	42	0.80
7/04/2018 15:00	68.50	4460	21	0.50
7/04/2018 16:00	69.10	4118	34	0.80
7/04/2018 17:00	69.70	3828	21	0.50
7/04/2018 18:00	69.70	3652	30	0.80
7/04/2018 19:00	69.50	3455	18	0.50
7/04/2018 20:00	69.40	3365	16	0.50
7/04/2018 21:00	69.60	2430	13	0.50
7/04/2018 22:00	69.80	2331	10	0.40
7/04/2018 23:00	69.90	1321	5	0.40
7/05/2018 0:00	69.40	793	6	0.80
7/05/2018 1:00	69.80	496	0	0.00
7/05/2018 2:00	69.50	355	1	0.30
7/05/2018 3:00	69.10	476	3	0.60
7/05/2018 4:00	68.80	1149	11	1.00
7/05/2018 5:00	70.70	3734	35	0.90
7/05/2018 6:00	66.10	7609	141	1.90
7/05/2018 7:00	65.00	8083	161	2.00
7/05/2018 8:00	64.80	7898	172	2.20
7/05/2018 9:00	65.10	7422	156	2.10
7/05/2018 10:00	65.00	6715	150	2.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/05/2018 11:00	65.30	6538	100	1.50
7/05/2018 12:00	64.90	6678	151	2.30
7/05/2018 13:00	64.90	6278	166	2.60
7/05/2018 14:00	65.40	6169	113	1.80
7/05/2018 15:00	67.20	5713	73	1.30
7/05/2018 16:00	67.70	5667	76	1.30
7/05/2018 17:00	68.30	5796	107	1.80
7/05/2018 18:00	68.70	5297	72	1.40
7/05/2018 19:00	68.70	3944	37	0.90
7/05/2018 20:00	68.90	2997	24	0.80
7/05/2018 21:00	69.20	2398	14	0.60
7/05/2018 22:00	69.70	1693	8	0.50
7/05/2018 23:00	69.50	1096	4	0.40
7/06/2018 0:00	70.00	608	0	0.00
7/06/2018 1:00	69.60	417	5	1.20
7/06/2018 2:00	69.80	381	2	0.50
7/06/2018 3:00	69.10	507	3	0.60
7/06/2018 4:00	69.40	1204	11	0.90
7/06/2018 5:00	70.00	4084	38	0.90
7/06/2018 6:00	67.60	7265	161	2.20
7/06/2018 7:00	65.50	8229	157	1.90
7/06/2018 8:00	64.80	6734	135	2.00
7/06/2018 9:00	63.30	7749	199	2.60
7/06/2018 10:00	64.30	7670	132	1.70
7/06/2018 11:00	65.50	6440	123	1.90
7/06/2018 12:00	64.20	6434	99	1.50
7/06/2018 13:00	64.40	6788	132	1.90
7/06/2018 14:00	66.80	6310	97	1.50
7/06/2018 15:00	64.00	5905	61	1.00
7/06/2018 16:00	66.20	6019	96	1.60
7/06/2018 17:00	68.30	5955	71	1.20
7/06/2018 18:00	69.00	5369	77	1.40
7/06/2018 19:00	68.70	4522	68	1.50
7/06/2018 20:00	68.90	3714	43	1.20
7/06/2018 21:00	69.30	3016	27	0.90
7/06/2018 22:00	69.80	2351	13	0.60
7/06/2018 23:00	69.20	1944	18	0.90
7/07/2018 0:00	69.90	1076	1	0.10
7/07/2018 1:00	69.50	669	1	0.10
7/07/2018 2:00	69.50	486	0	0.00
7/07/2018 3:00	69.50	448	3	0.70
7/07/2018 4:00	69.20	784	8	1.00
7/07/2018 5:00	69.80	1395	11	0.80
7/07/2018 6:00	70.30	2869	21	0.70
7/07/2018 7:00	69.60	3769	50	1.30
7/07/2018 8:00	67.90	5318	65	1.20
7/07/2018 9:00	66.90	6723	112	1.70
7/07/2018 10:00	66.50	7191	100	1.40
7/07/2018 11:00	66.20	7037	86	1.20
7/07/2018 12:00	66.80	6720	72	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/07/2018 13:00	67.30	6320	62	1.00
7/07/2018 14:00	67.60	6093	71	1.20
7/07/2018 15:00	67.80	5767	61	1.10
7/07/2018 16:00	68.50	5640	47	0.80
7/07/2018 17:00	68.50	5323	67	1.30
7/07/2018 18:00	69.00	4999	62	1.20
7/07/2018 19:00	69.70	4346	48	1.10
7/07/2018 20:00	69.70	3409	26	0.80
7/07/2018 21:00	69.30	3058	18	0.60
7/07/2018 22:00	68.30	3391	33	1.00
7/07/2018 23:00	68.80	2366	10	0.40
7/08/2018 0:00	69.60	1062	4	0.40
7/08/2018 1:00	69.70	770	2	0.30
7/08/2018 2:00	69.70	564	1	0.20
7/08/2018 3:00	70.00	389	2	0.50
7/08/2018 4:00	69.90	607	2	0.30
7/08/2018 5:00	69.60	1143	9	0.80
7/08/2018 6:00	70.10	1929	5	0.30
7/08/2018 7:00	69.70	2668	17	0.60
7/08/2018 8:00	69.00	3866	38	1.00
7/08/2018 9:00	67.50	5634	59	1.00
7/08/2018 10:00	66.80	6500	52	0.80
7/08/2018 11:00	66.40	6652	70	1.10
7/08/2018 12:00	66.10	6644	82	1.20
7/08/2018 13:00	66.40	6105	57	0.90
7/08/2018 14:00	67.00	5565	48	0.90
7/08/2018 15:00	67.40	5390	44	0.80
7/08/2018 16:00	67.60	5322	37	0.70
7/08/2018 17:00	67.80	4602	33	0.70
7/08/2018 18:00	69.00	4218	43	1.00
7/08/2018 19:00	69.10	3530	32	0.90
7/08/2018 20:00	68.10	2941	24	0.80
7/08/2018 21:00	68.90	2309	4	0.20
7/08/2018 22:00	69.40	1717	7	0.40
7/08/2018 23:00	69.90	1086	1	0.10
7/09/2018 0:00	69.10	599	6	1.00
7/09/2018 1:00	69.20	387	2	0.50
7/09/2018 2:00	69.30	274	0	0.00
7/09/2018 3:00	69.40	542	4	0.70
7/09/2018 4:00	68.80	1389	11	0.80
7/09/2018 5:00	69.00	4288	30	0.70
7/09/2018 6:00	64.80	8648	165	1.90
7/09/2018 7:00	59.40	8466	150	1.80
7/09/2018 8:00	53.20	8335	178	2.10
7/09/2018 9:00	65.20	7089	140	2.00
7/09/2018 10:00	65.40	6653	116	1.70
7/09/2018 11:00	65.60	6302	106	1.70
7/09/2018 12:00	65.30	6333	125	2.00
7/09/2018 13:00	65.60	6146	122	2.00
7/09/2018 14:00	65.50	5947	97	1.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/09/2018 15:00	66.40	5852	76	1.30
7/09/2018 16:00	67.30	5827	69	1.20
7/09/2018 17:00	67.80	5897	81	1.40
7/09/2018 18:00	69.00	4778	65	1.40
7/09/2018 19:00	69.10	3751	39	1.00
7/09/2018 20:00	68.50	3031	32	1.10
7/09/2018 21:00	69.30	2352	20	0.90
7/09/2018 22:00	69.50	1631	4	0.20
7/09/2018 23:00	69.50	1031	4	0.40
7/10/2018 0:00	69.70	576	1	0.20
7/10/2018 1:00	69.60	384	2	0.50
7/10/2018 2:00	69.40	311	1	0.30
7/10/2018 3:00	69.20	490	0	0.00
7/10/2018 4:00	69.60	1365	4	0.30
7/10/2018 5:00	70.30	4735	27	0.60
7/10/2018 6:00	56.00	9356	320	3.40
7/10/2018 7:00	55.10	9496	203	2.10
7/10/2018 8:00	49.30	8845	166	1.90
7/10/2018 9:00	64.00	7428	149	2.00
7/10/2018 10:00	65.40	6900	116	1.70
7/10/2018 11:00	65.40	6537	126	1.90
7/10/2018 12:00	65.30	6633	138	2.10
7/10/2018 13:00	65.30	6457	137	2.10
7/10/2018 14:00	66.00	6266	117	1.90
7/10/2018 15:00	66.70	6111	67	1.10
7/10/2018 16:00	67.20	6178	76	1.20
7/10/2018 17:00	68.00	6394	96	1.50
7/10/2018 18:00	68.40	5266	96	1.80
7/10/2018 19:00	68.60	4221	62	1.50
7/10/2018 20:00	68.70	3353	43	1.30
7/10/2018 21:00	69.40	2704	21	0.80
7/10/2018 22:00	69.80	1845	4	0.20
7/10/2018 23:00	69.80	1167	0	0.00
7/11/2018 0:00	69.70	677	0	0.00
7/11/2018 1:00	69.60	446	1	0.20
7/11/2018 2:00	69.70	386	1	0.30
7/11/2018 3:00	69.40	484	2	0.40
7/11/2018 4:00	69.60	1278	9	0.70
7/11/2018 5:00	70.30	4533	25	0.60
7/11/2018 6:00	58.50	9006	532	5.90
7/11/2018 7:00	33.30	8666	569	6.60
7/11/2018 8:00	50.70	8194	372	4.50
7/11/2018 9:00	62.70	7350	147	2.00
7/11/2018 10:00	65.20	6817	119	1.70
7/11/2018 11:00	65.30	6663	127	1.90
7/11/2018 12:00	65.20	6632	131	2.00
7/11/2018 13:00	65.20	6313	126	2.00
7/11/2018 14:00	65.90	6135	93	1.50
7/11/2018 15:00	66.60	5945	81	1.40
7/11/2018 16:00	67.00	5898	86	1.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/11/2018 17:00	68.00	6155	93	1.50
7/11/2018 18:00	68.50	5007	58	1.20
7/11/2018 19:00	68.70	3936	51	1.30
7/11/2018 20:00	68.90	3346	30	0.90
7/11/2018 21:00	69.20	2588	24	0.90
7/11/2018 22:00	69.70	1936	10	0.50
7/11/2018 23:00	69.50	1269	0	0.00
7/12/2018 0:00	69.50	686	2	0.30
7/12/2018 1:00	69.60	455	1	0.20
7/12/2018 2:00	69.50	352	0	0.00
7/12/2018 3:00	69.20	530	1	0.20
7/12/2018 4:00	69.30	1347	7	0.50
7/12/2018 5:00	70.10	4528	42	0.90
7/12/2018 6:00	59.90	9149	310	3.40
7/12/2018 7:00	55.20	9373	181	1.90
7/12/2018 8:00	61.70	8435	180	2.10
7/12/2018 9:00	64.30	7550	160	2.10
7/12/2018 10:00	64.60	7012	128	1.80
7/12/2018 11:00	65.00	6765	119	1.80
7/12/2018 12:00	64.60	6837	143	2.10
7/12/2018 13:00	64.70	6492	159	2.40
7/12/2018 14:00	65.30	6268	134	2.10
7/12/2018 15:00	66.20	6258	81	1.30
7/12/2018 16:00	66.30	6248	82	1.30
7/12/2018 17:00	67.50	6346	94	1.50
7/12/2018 18:00	68.30	5416	84	1.60
7/12/2018 19:00	68.40	4156	44	1.10
7/12/2018 20:00	69.10	3285	31	0.90
7/12/2018 21:00	69.40	2629	17	0.60
7/12/2018 22:00	69.60	1922	8	0.40
7/12/2018 23:00	69.60	1302	1	0.10
7/13/2018 0:00	69.70	713	4	0.60
7/13/2018 1:00	69.40	444	2	0.50
7/13/2018 2:00	69.50	392	2	0.50
7/13/2018 3:00	69.20	535	6	1.10
7/13/2018 4:00	68.80	1360	15	1.10
7/13/2018 5:00	69.90	4358	36	0.80
7/13/2018 6:00	63.90	8787	172	2.00
7/13/2018 7:00	62.20	9256	200	2.20
7/13/2018 8:00	58.80	8100	226	2.80
7/13/2018 9:00	62.50	7777	168	2.20
7/13/2018 10:00	64.00	7583	162	2.10
7/13/2018 11:00	64.40	7467	152	2.00
7/13/2018 12:00	64.00	7314	181	2.50
7/13/2018 13:00	64.80	6902	128	1.90
7/13/2018 14:00	65.30	6599	96	1.50
7/13/2018 15:00	66.10	6488	83	1.30
7/13/2018 16:00	66.40	6454	110	1.70
7/13/2018 17:00	67.40	6833	111	1.60
7/13/2018 18:00	67.90	6041	104	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/13/2018 19:00	68.10	4569	53	1.20
7/13/2018 20:00	68.20	3909	47	1.20
7/13/2018 21:00	69.50	3058	27	0.90
7/13/2018 22:00	70.30	2574	15	0.60
7/13/2018 23:00	69.90	1653	3	0.20
7/14/2018 0:00	69.80	1139	5	0.40
7/14/2018 1:00	69.70	833	2	0.20
7/14/2018 2:00	69.60	614	1	0.20
7/14/2018 3:00	69.40	548	6	1.10
7/14/2018 4:00	69.60	865	5	0.60
7/14/2018 5:00	69.60	1645	9	0.50
7/14/2018 6:00	70.10	3059	23	0.80
7/14/2018 7:00	69.40	4207	43	1.00
7/14/2018 8:00	68.80	5873	56	1.00
7/14/2018 9:00	67.20	7108	89	1.30
7/14/2018 10:00	65.90	7223	107	1.50
7/14/2018 11:00	66.10	6979	84	1.20
7/14/2018 12:00	66.50	6653	67	1.00
7/14/2018 13:00	66.60	6505	87	1.30
7/14/2018 14:00	66.90	6362	84	1.30
7/14/2018 15:00	67.50	6160	57	0.90
7/14/2018 16:00	68.00	5713	60	1.10
7/14/2018 17:00	68.40	5592	44	0.80
7/14/2018 18:00	68.80	5193	52	1.00
7/14/2018 19:00	69.40	4238	33	0.80
7/14/2018 20:00	68.90	3416	34	1.00
7/14/2018 21:00	68.40	3221	26	0.80
7/14/2018 22:00	69.30	2661	26	1.00
7/14/2018 23:00	69.60	1792	11	0.60
7/15/2018 0:00	70.10	1172	0	0.00
7/15/2018 1:00	69.60	828	2	0.20
7/15/2018 2:00	69.70	628	0	0.00
7/15/2018 3:00	69.90	496	1	0.20
7/15/2018 4:00	70.10	604	2	0.30
7/15/2018 5:00	69.80	1127	5	0.40
7/15/2018 6:00	70.90	2066	3	0.10
7/15/2018 7:00	70.10	3107	21	0.70
7/15/2018 8:00	68.70	3860	28	0.70
7/15/2018 9:00	67.90	5282	44	0.80
7/15/2018 10:00	66.70	6602	52	0.80
7/15/2018 11:00	66.10	6731	78	1.20
7/15/2018 12:00	65.80	6557	67	1.00
7/15/2018 13:00	66.30	6263	68	1.10
7/15/2018 14:00	66.80	5884	48	0.80
7/15/2018 15:00	66.90	5547	54	1.00
7/15/2018 16:00	67.60	5239	37	0.70
7/15/2018 17:00	68.20	4747	34	0.70
7/15/2018 18:00	69.00	4225	37	0.90
7/15/2018 19:00	69.10	3521	31	0.90
7/15/2018 20:00	68.60	2996	28	0.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/15/2018 21:00	69.20	2363	12	0.50
7/15/2018 22:00	69.70	1706	2	0.10
7/15/2018 23:00	69.60	1058	0	0.00
7/16/2018 0:00	69.60	626	1	0.20
7/16/2018 1:00	69.50	397	2	0.50
7/16/2018 2:00	69.30	312	0	0.00
7/16/2018 3:00	69.50	519	1	0.20
7/16/2018 4:00	69.30	1367	6	0.40
7/16/2018 5:00	69.90	4530	33	0.70
7/16/2018 6:00	62.80	9221	310	3.40
7/16/2018 7:00	58.40	9076	299	3.30
7/16/2018 8:00	59.70	8247	201	2.40
7/16/2018 9:00	64.70	7406	152	2.10
7/16/2018 10:00	65.20	6719	114	1.70
7/16/2018 11:00	65.50	6268	102	1.60
7/16/2018 12:00	65.20	6328	119	1.90
7/16/2018 13:00	65.40	6164	122	2.00
7/16/2018 14:00	65.40	5932	90	1.50
7/16/2018 15:00	66.30	5777	74	1.30
7/16/2018 16:00	67.40	5841	70	1.20
7/16/2018 17:00	68.00	5878	79	1.30
7/16/2018 18:00	69.00	4768	60	1.30
7/16/2018 19:00	69.40	3719	41	1.10
7/16/2018 20:00	68.50	3030	32	1.10
7/16/2018 21:00	69.20	2323	14	0.60
7/16/2018 22:00	69.50	1647	5	0.30
7/16/2018 23:00	69.30	1001	2	0.20
7/17/2018 0:00	69.70	557	0	0.00
7/17/2018 1:00	69.70	360	2	0.60
7/17/2018 2:00	69.30	285	1	0.40
7/17/2018 3:00	69.10	460	1	0.20
7/17/2018 4:00	69.60	1356	5	0.40
7/17/2018 5:00	70.40	4628	26	0.60
7/17/2018 6:00	56.00	9399	328	3.50
7/17/2018 7:00	55.50	9601	192	2.00
7/17/2018 8:00	52.60	8834	213	2.40
7/17/2018 9:00	64.40	7430	149	2.00
7/17/2018 10:00	65.20	6893	112	1.60
7/17/2018 11:00	65.00	6483	128	2.00
7/17/2018 12:00	64.80	6614	138	2.10
7/17/2018 13:00	65.00	6458	140	2.20
7/17/2018 14:00	65.80	6222	125	2.00
7/17/2018 15:00	66.70	6079	80	1.30
7/17/2018 16:00	67.30	6133	66	1.10
7/17/2018 17:00	67.90	6447	98	1.50
7/17/2018 18:00	68.40	5224	90	1.70
7/17/2018 19:00	68.50	4221	54	1.30
7/17/2018 20:00	68.90	3348	48	1.40
7/17/2018 21:00	69.50	2669	13	0.50
7/17/2018 22:00	69.90	1839	6	0.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/17/2018 23:00	69.90	1165	3	0.30
7/18/2018 0:00	69.60	552	6	1.10
7/18/2018 1:00	69.10	373	4	1.10
7/18/2018 2:00	69.40	304	0	0.00
7/18/2018 3:00	69.30	481	3	0.60
7/18/2018 4:00	69.60	1440	5	0.30
7/18/2018 5:00	69.30	4495	25	0.60
7/18/2018 6:00	63.40	9367	194	2.10
7/18/2018 7:00	46.40	9521	402	4.20
7/18/2018 8:00	56.00	9028	240	2.70
7/18/2018 9:00	63.20	7539	159	2.10
7/18/2018 10:00	64.70	6976	112	1.60
7/18/2018 11:00	64.40	6860	139	2.00
7/18/2018 12:00	64.10	6763	134	2.00
7/18/2018 13:00	64.90	6185	128	2.10
7/18/2018 14:00	65.10	6080	105	1.70
7/18/2018 15:00	66.20	5935	73	1.20
7/18/2018 16:00	67.40	6122	79	1.30
7/18/2018 17:00	67.40	6345	93	1.50
7/18/2018 18:00	68.00	5453	77	1.40
7/18/2018 19:00	68.20	4130	61	1.50
7/18/2018 20:00	67.80	3179	40	1.30
7/18/2018 21:00	68.90	2564	26	1.00
7/18/2018 22:00	69.60	1849	11	0.60
7/18/2018 23:00	69.70	1074	2	0.20
7/19/2018 0:00	69.90	610	1	0.20
7/19/2018 1:00	69.00	368	3	0.80
7/19/2018 2:00	69.60	315	1	0.30
7/19/2018 3:00	70.10	391	1	0.30
7/19/2018 4:00	69.30	1466	13	0.90
7/19/2018 5:00	69.60	4504	41	0.90
7/19/2018 6:00	64.60	9317	176	1.90
7/19/2018 7:00	58.20	9752	202	2.10
7/19/2018 8:00	29.10	8477	281	3.30
7/19/2018 9:00	55.20	7598	172	2.30
7/19/2018 10:00	65.60	6916	134	1.90
7/19/2018 11:00	65.30	6824	119	1.70
7/19/2018 12:00	65.00	6737	129	1.90
7/19/2018 13:00	65.30	6247	126	2.00
7/19/2018 14:00	66.40	6110	102	1.70
7/19/2018 15:00	66.90	5865	85	1.40
7/19/2018 16:00	67.70	6100	99	1.60
7/19/2018 17:00	67.60	6418	98	1.50
7/19/2018 18:00	68.90	5216	69	1.30
7/19/2018 19:00	68.70	4124	61	1.50
7/19/2018 20:00	68.50	3450	57	1.70
7/19/2018 21:00	69.30	2797	24	0.90
7/19/2018 22:00	69.70	1872	13	0.70
7/19/2018 23:00	69.30	1248	6	0.50
7/20/2018 0:00	69.80	765	2	0.30



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/20/2018 1:00	68.80	631	12	1.90
7/20/2018 2:00	68.90	464	3	0.60
7/20/2018 3:00	68.80	671	6	0.90
7/20/2018 4:00	68.10	1697	23	1.40
7/20/2018 5:00	68.40	4432	68	1.50
7/20/2018 6:00	64.60	8693	193	2.20
7/20/2018 7:00	62.30	9215	170	1.80
7/20/2018 8:00	62.90	8259	162	2.00
7/20/2018 9:00	63.00	7886	187	2.40
7/20/2018 10:00	64.70	7509	162	2.20
7/20/2018 11:00	65.30	7299	157	2.20
7/20/2018 12:00	65.50	7054	152	2.20
7/20/2018 13:00	65.90	6510	125	1.90
7/20/2018 14:00	66.40	6252	91	1.50
7/20/2018 15:00	66.40	6026	75	1.20
7/20/2018 16:00	67.70	6205	86	1.40
7/20/2018 17:00	68.10	6484	106	1.60
7/20/2018 18:00	68.10	5686	98	1.70
7/20/2018 19:00	68.50	4537	57	1.30
7/20/2018 20:00	68.60	3557	32	0.90
7/20/2018 21:00	69.20	3126	21	0.70
7/20/2018 22:00	69.30	2530	15	0.60
7/20/2018 23:00	69.00	1621	8	0.50
7/21/2018 0:00	70.20	1045	3	0.30
7/21/2018 1:00	69.50	694	2	0.30
7/21/2018 2:00	69.50	591	6	1.00
7/21/2018 3:00	69.90	500	1	0.20
7/21/2018 4:00	69.60	828	1	0.10
7/21/2018 5:00	69.70	1607	20	1.20
7/21/2018 6:00	70.50	2904	13	0.40
7/21/2018 7:00	69.50	4192	33	0.80
7/21/2018 8:00	68.10	5562	66	1.20
7/21/2018 9:00	67.60	6653	89	1.30
7/21/2018 10:00	66.50	7221	88	1.20
7/21/2018 11:00	66.70	7133	78	1.10
7/21/2018 12:00	66.40	7246	103	1.40
7/21/2018 13:00	67.10	6716	75	1.10
7/21/2018 14:00	66.80	6361	58	0.90
7/21/2018 15:00	67.30	6109	71	1.20
7/21/2018 16:00	67.70	5691	70	1.20
7/21/2018 17:00	68.10	5629	61	1.10
7/21/2018 18:00	68.40	5254	54	1.00
7/21/2018 19:00	68.80	4121	32	0.80
7/21/2018 20:00	67.90	3541	37	1.00
7/21/2018 21:00	68.50	3028	22	0.70
7/21/2018 22:00	69.60	2474	22	0.90
7/21/2018 23:00	69.60	1796	6	0.30
7/22/2018 0:00	69.80	1072	1	0.10
7/22/2018 1:00	69.60	784	0	0.00
7/22/2018 2:00	69.90	611	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/22/2018 3:00	69.70	446	0	0.00
7/22/2018 4:00	69.70	643	3	0.50
7/22/2018 5:00	69.90	1235	8	0.60
7/22/2018 6:00	69.90	1973	6	0.30
7/22/2018 7:00	69.80	2793	8	0.30
7/22/2018 8:00	69.60	4155	25	0.60
7/22/2018 9:00	67.80	5833	58	1.00
7/22/2018 10:00	67.10	6693	58	0.90
7/22/2018 11:00	66.60	6855	60	0.90
7/22/2018 12:00	66.00	6719	79	1.20
7/22/2018 13:00	66.10	6346	67	1.10
7/22/2018 14:00	67.00	5939	62	1.00
7/22/2018 15:00	67.50	5445	57	1.00
7/22/2018 16:00	67.50	5222	66	1.30
7/22/2018 17:00	68.50	4814	43	0.90
7/22/2018 18:00	68.60	4418	48	1.10
7/22/2018 19:00	69.40	3538	38	1.10
7/22/2018 20:00	69.00	3011	24	0.80
7/22/2018 21:00	70.00	2319	20	0.90
7/22/2018 22:00	70.30	1606	2	0.10
7/22/2018 23:00	69.90	1048	6	0.60
7/23/2018 0:00	69.60	630	1	0.20
7/23/2018 1:00	69.50	388	4	1.00
7/23/2018 2:00	69.60	320	1	0.30
7/23/2018 3:00	69.30	494	5	1.00
7/23/2018 4:00	69.40	1308	6	0.50
7/23/2018 5:00	69.50	4529	34	0.80
7/23/2018 6:00	64.90	9068	185	2.00
7/23/2018 7:00	31.50	8692	229	2.60
7/23/2018 8:00	27.80	8551	743	8.70
7/23/2018 9:00	63.30	7088	117	1.70
7/23/2018 10:00	65.10	6609	118	1.80
7/23/2018 11:00	65.50	6532	110	1.70
7/23/2018 12:00	65.50	6564	118	1.80
7/23/2018 13:00	65.60	5961	109	1.80
7/23/2018 14:00	65.40	5843	101	1.70
7/23/2018 15:00	66.40	5667	84	1.50
7/23/2018 16:00	67.10	5789	86	1.50
7/23/2018 17:00	67.40	5992	100	1.70
7/23/2018 18:00	68.20	5071	75	1.50
7/23/2018 19:00	68.50	3860	42	1.10
7/23/2018 20:00	68.00	2924	23	0.80
7/23/2018 21:00	68.80	2393	33	1.40
7/23/2018 22:00	69.30	1666	24	1.40
7/23/2018 23:00	69.60	1006	10	1.00
7/24/2018 0:00	69.20	598	6	1.00
7/24/2018 1:00	69.60	383	2	0.50
7/24/2018 2:00	69.70	286	0	0.00
7/24/2018 3:00	69.50	501	0	0.00
7/24/2018 4:00	69.50	1398	10	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/24/2018 5:00	69.50	4758	50	1.10
7/24/2018 6:00	44.10	9141	637	7.00
7/24/2018 7:00	46.70	8887	305	3.40
7/24/2018 8:00	30.40	8670	448	5.20
7/24/2018 9:00	39.70	7859	323	4.10
7/24/2018 10:00	64.20	6923	167	2.40
7/24/2018 11:00	64.40	6786	128	1.90
7/24/2018 12:00	64.10	6646	157	2.40
7/24/2018 13:00	64.20	6236	134	2.10
7/24/2018 14:00	65.40	6064	91	1.50
7/24/2018 15:00	66.30	5854	75	1.30
7/24/2018 16:00	66.60	6121	78	1.30
7/24/2018 17:00	67.50	6631	112	1.70
7/24/2018 18:00	68.30	5525	80	1.40
7/24/2018 19:00	68.60	4129	58	1.40
7/24/2018 20:00	68.00	3226	43	1.30
7/24/2018 21:00	69.90	2495	16	0.60
7/24/2018 22:00	69.80	1660	4	0.20
7/24/2018 23:00	69.80	1048	1	0.10
7/25/2018 0:00	69.60	634	6	0.90
7/25/2018 1:00	69.70	437	3	0.70
7/25/2018 2:00	69.40	327	5	1.50
7/25/2018 3:00	68.90	492	4	0.80
7/25/2018 4:00	69.80	1397	9	0.60
7/25/2018 5:00	69.10	4618	32	0.70
7/25/2018 6:00	47.90	9282	247	2.70
7/25/2018 7:00	43.80	8753	205	2.30
7/25/2018 8:00	59.60	8795	191	2.20
7/25/2018 9:00	63.10	7749	175	2.30
7/25/2018 10:00	63.60	7128	163	2.30
7/25/2018 11:00	64.60	6841	119	1.70
7/25/2018 12:00	64.10	6772	142	2.10
7/25/2018 13:00	64.00	6712	139	2.10
7/25/2018 14:00	64.30	6474	97	1.50
7/25/2018 15:00	65.60	6112	86	1.40
7/25/2018 16:00	67.00	6242	81	1.30
7/25/2018 17:00	67.40	6588	100	1.50
7/25/2018 18:00	68.00	5516	87	1.60
7/25/2018 19:00	68.30	4171	58	1.40
7/25/2018 20:00	67.30	3349	47	1.40
7/25/2018 21:00	67.70	2742	30	1.10
7/25/2018 22:00	69.50	1895	13	0.70
7/25/2018 23:00	69.80	1079	3	0.30
7/26/2018 0:00	70.30	642	1	0.20
7/26/2018 1:00	69.70	413	0	0.00
7/26/2018 2:00	69.40	326	3	0.90
7/26/2018 3:00	69.40	498	1	0.20
7/26/2018 4:00	69.80	1348	5	0.40
7/26/2018 5:00	69.10	4628	51	1.10
7/26/2018 6:00	56.50	9097	301	3.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/26/2018 7:00	50.20	9254	202	2.20
7/26/2018 8:00	25.80	8140	233	2.90
7/26/2018 9:00	54.50	7491	149	2.00
7/26/2018 10:00	65.00	6985	141	2.00
7/26/2018 11:00	65.20	6892	165	2.40
7/26/2018 12:00	64.20	6900	175	2.50
7/26/2018 13:00	64.80	6547	155	2.40
7/26/2018 14:00	66.10	6304	105	1.70
7/26/2018 15:00	67.60	6083	72	1.20
7/26/2018 16:00	68.20	6333	92	1.50
7/26/2018 17:00	68.50	6664	88	1.30
7/26/2018 18:00	68.60	5625	78	1.40
7/26/2018 19:00	68.90	4299	50	1.20
7/26/2018 20:00	69.00	3320	40	1.20
7/26/2018 21:00	69.20	2658	23	0.90
7/26/2018 22:00	70.10	2100	7	0.30
7/26/2018 23:00	69.60	1290	2	0.20
7/27/2018 0:00	70.00	679	1	0.10
7/27/2018 1:00	69.90	466	4	0.90
7/27/2018 2:00	69.90	363	1	0.30
7/27/2018 3:00	68.80	490	4	0.80
7/27/2018 4:00	69.10	1382	13	0.90
7/27/2018 5:00	69.60	4361	53	1.20
7/27/2018 6:00	52.30	8819	621	7.00
7/27/2018 7:00	60.10	9378	214	2.30
7/27/2018 8:00	62.20	8207	224	2.70
7/27/2018 9:00	63.30	7873	166	2.10
7/27/2018 10:00	64.80	7536	157	2.10
7/27/2018 11:00	64.60	7292	152	2.10
7/27/2018 12:00	64.60	7118	139	2.00
7/27/2018 13:00	64.40	6817	157	2.30
7/27/2018 14:00	65.30	6670	108	1.60
7/27/2018 15:00	65.90	6296	63	1.00
7/27/2018 16:00	67.40	6400	80	1.30
7/27/2018 17:00	67.80	6831	102	1.50
7/27/2018 18:00	68.20	5865	82	1.40
7/27/2018 19:00	68.90	4767	57	1.20
7/27/2018 20:00	68.60	3570	42	1.20
7/27/2018 21:00	69.90	3053	24	0.80
7/27/2018 22:00	69.50	2455	16	0.70
7/27/2018 23:00	69.00	1577	7	0.40
7/28/2018 0:00	69.90	1037	2	0.20
7/28/2018 1:00	69.70	756	0	0.00
7/28/2018 2:00	69.60	541	3	0.60
7/28/2018 3:00	69.40	466	3	0.60
7/28/2018 4:00	69.40	757	3	0.40
7/28/2018 5:00	69.60	1493	11	0.70
7/28/2018 6:00	69.60	2673	19	0.70
7/28/2018 7:00	68.60	4027	45	1.10
7/28/2018 8:00	68.00	5384	65	1.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/28/2018 9:00	67.10	6722	94	1.40
7/28/2018 10:00	66.10	6927	113	1.60
7/28/2018 11:00	66.70	6987	71	1.00
7/28/2018 12:00	65.90	7262	99	1.40
7/28/2018 13:00	66.90	6956	81	1.20
7/28/2018 14:00	66.60	6474	100	1.50
7/28/2018 15:00	67.10	6198	74	1.20
7/28/2018 16:00	67.50	6009	75	1.20
7/28/2018 17:00	68.10	5661	63	1.10
7/28/2018 18:00	68.90	5240	46	0.90
7/28/2018 19:00	69.10	4156	31	0.70
7/28/2018 20:00	68.10	3366	41	1.20
7/28/2018 21:00	69.30	3026	19	0.60
7/28/2018 22:00	69.70	2700	27	1.00
7/28/2018 23:00	68.20	2536	56	2.20
7/29/2018 0:00	69.20	1245	13	1.00
7/29/2018 1:00	69.60	828	3	0.40
7/29/2018 2:00	69.10	575	4	0.70
7/29/2018 3:00	69.70	446	1	0.20
7/29/2018 4:00	69.70	651	3	0.50
7/29/2018 5:00	69.50	1146	5	0.40
7/29/2018 6:00	69.30	2152	6	0.30
7/29/2018 7:00	70.30	2826	17	0.60
7/29/2018 8:00	66.90	4009	48	1.20
7/29/2018 9:00	67.50	5753	69	1.20
7/29/2018 10:00	66.50	6695	70	1.00
7/29/2018 11:00	65.90	6900	99	1.40
7/29/2018 12:00	66.10	6677	68	1.00
7/29/2018 13:00	65.70	6329	53	0.80
7/29/2018 14:00	54.50	5777	127	2.20
7/29/2018 15:00	67.60	5525	43	0.80
7/29/2018 16:00	67.50	5274	51	1.00
7/29/2018 17:00	66.50	5411	75	1.40
7/29/2018 18:00	68.60	4533	52	1.10
7/29/2018 19:00	68.40	3680	33	0.90
7/29/2018 20:00	67.60	3170	40	1.30
7/29/2018 21:00	68.70	2358	23	1.00
7/29/2018 22:00	69.30	1610	4	0.20
7/29/2018 23:00	69.20	1105	4	0.40
7/30/2018 0:00	69.80	611	1	0.20
7/30/2018 1:00	69.50	387	4	1.00
7/30/2018 2:00	69.60	306	3	1.00
7/30/2018 3:00	69.40	500	2	0.40
7/30/2018 4:00	69.90	1346	11	0.80
7/30/2018 5:00	69.60	4476	41	0.90
7/30/2018 6:00	66.20	8785	124	1.40
7/30/2018 7:00	59.60	9070	185	2.00
7/30/2018 8:00	60.90	7854	141	1.80
7/30/2018 9:00	65.50	6940	141	2.00
7/30/2018 10:00	65.30	6559	153	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
7/30/2018 11:00	65.20	6278	155	2.50
7/30/2018 12:00	64.90	6444	161	2.50
7/30/2018 13:00	66.20	6064	152	2.50
7/30/2018 14:00	66.30	5744	104	1.80
7/30/2018 15:00	67.10	5729	82	1.40
7/30/2018 16:00	68.10	5573	75	1.30
7/30/2018 17:00	68.50	6200	104	1.70
7/30/2018 18:00	69.40	5148	59	1.10
7/30/2018 19:00	68.80	3829	59	1.50
7/30/2018 20:00	68.90	2965	36	1.20
7/30/2018 21:00	69.50	2322	24	1.00
7/30/2018 22:00	70.90	1638	5	0.30
7/30/2018 23:00	70.10	1053	6	0.60
7/31/2018 0:00	70.00	587	0	0.00
7/31/2018 1:00	69.70	393	1	0.30
7/31/2018 2:00	69.30	315	6	1.90
7/31/2018 3:00	68.90	467	7	1.50
7/31/2018 4:00	69.40	1373	13	0.90
7/31/2018 5:00	70.50	4615	38	0.80
7/31/2018 6:00	63.90	9183	155	1.70
7/31/2018 7:00	47.00	9120	203	2.20
7/31/2018 8:00	24.70	8499	445	5.20
7/31/2018 9:00	52.50	7702	174	2.30
7/31/2018 10:00	65.60	7036	122	1.70
7/31/2018 11:00	65.90	6652	134	2.00
7/31/2018 12:00	65.20	6719	119	1.80
7/31/2018 13:00	66.30	6138	106	1.70
7/31/2018 14:00	66.20	6010	105	1.70
7/31/2018 15:00	67.40	5783	72	1.20
7/31/2018 16:00	68.10	6066	85	1.40
7/31/2018 17:00	68.30	6490	106	1.60
7/31/2018 18:00	69.60	5093	58	1.10
7/31/2018 19:00	69.00	4186	75	1.80
7/31/2018 20:00	68.50	3141	42	1.30
7/31/2018 21:00	69.20	2507	23	0.90
7/31/2018 22:00	69.50	1729	19	1.10
7/31/2018 23:00	69.30	1116	16	1.40
8/01/2018 0:00	69.40	596	3	0.50
8/01/2018 1:00	69.30	401	2	0.50
8/01/2018 2:00	68.70	321	3	0.90
8/01/2018 3:00	69.10	475	1	0.20
8/01/2018 4:00	68.70	1352	9	0.70
8/01/2018 5:00	69.80	4672	39	0.80
8/01/2018 6:00	65.40	9304	138	1.50
8/01/2018 7:00	41.10	9150	699	7.60
8/01/2018 8:00	24.30	8520	689	8.10
8/01/2018 9:00	61.60	7365	153	2.10
8/01/2018 10:00	64.90	6557	111	1.70
8/01/2018 11:00	65.90	6570	101	1.50
8/01/2018 12:00	64.90	6633	159	2.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/01/2018 13:00	65.40	6180	107	1.70
8/01/2018 14:00	65.70	5974	105	1.80
8/01/2018 15:00	66.10	5985	84	1.40
8/01/2018 16:00	67.20	6346	71	1.10
8/01/2018 17:00	67.30	6575	90	1.40
8/01/2018 18:00	68.70	5146	84	1.60
8/01/2018 19:00	68.70	4040	52	1.30
8/01/2018 20:00	68.60	3262	46	1.40
8/01/2018 21:00	69.00	2533	26	1.00
8/01/2018 22:00	70.00	1824	7	0.40
8/01/2018 23:00	69.70	1066	5	0.50
8/02/2018 0:00	70.10	751	1	0.10
8/02/2018 1:00	69.80	471	7	1.50
8/02/2018 2:00	69.70	375	3	0.80
8/02/2018 3:00	69.60	530	1	0.20
8/02/2018 4:00	70.30	1517	12	0.80
8/02/2018 5:00	69.60	4530	48	1.10
8/02/2018 6:00	65.50	9039	168	1.90
8/02/2018 7:00	35.10	9150	434	4.70
8/02/2018 8:00	49.40	8503	155	1.80
8/02/2018 9:00	65.10	7585	131	1.70
8/02/2018 10:00	65.00	7090	143	2.00
8/02/2018 11:00	65.50	6669	147	2.20
8/02/2018 12:00	64.70	6875	137	2.00
8/02/2018 13:00	65.20	6427	130	2.00
8/02/2018 14:00	66.70	6159	87	1.40
8/02/2018 15:00	67.30	5747	69	1.20
8/02/2018 16:00	68.30	6151	78	1.30
8/02/2018 17:00	68.80	6470	100	1.50
8/02/2018 18:00	69.40	5366	63	1.20
8/02/2018 19:00	68.90	4209	57	1.40
8/02/2018 20:00	68.10	3422	46	1.30
8/02/2018 21:00	69.00	2743	34	1.20
8/02/2018 22:00	70.20	1882	10	0.50
8/02/2018 23:00	69.20	1199	13	1.10
8/03/2018 0:00	70.10	895	9	1.00
8/03/2018 1:00	70.00	509	3	0.60
8/03/2018 2:00	69.70	407	6	1.50
8/03/2018 3:00	69.80	629	6	1.00
8/03/2018 4:00	70.20	1313	4	0.30
8/03/2018 5:00	69.30	4187	25	0.60
8/03/2018 6:00	63.50	8559	290	3.40
8/03/2018 7:00	61.60	9202	236	2.60
8/03/2018 8:00	63.90	8133	174	2.10
8/03/2018 9:00	64.00	7764	183	2.40
8/03/2018 10:00	64.90	7267	134	1.80
8/03/2018 11:00	64.80	7110	147	2.10
8/03/2018 12:00	64.90	6984	159	2.30
8/03/2018 13:00	65.40	6622	139	2.10
8/03/2018 14:00	66.00	6494	110	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/03/2018 15:00	66.40	6339	104	1.60
8/03/2018 16:00	67.30	6303	92	1.50
8/03/2018 17:00	68.20	6618	93	1.40
8/03/2018 18:00	68.70	5916	66	1.10
8/03/2018 19:00	68.80	4762	72	1.50
8/03/2018 20:00	68.00	3742	43	1.10
8/03/2018 21:00	69.60	2983	22	0.70
8/03/2018 22:00	69.20	2499	21	0.80
8/03/2018 23:00	68.80	2056	29	1.40
8/04/2018 0:00	69.40	1079	3	0.30
8/04/2018 1:00	69.80	678	1	0.10
8/04/2018 2:00	69.50	523	3	0.60
8/04/2018 3:00	69.80	469	1	0.20
8/04/2018 4:00	69.10	816	9	1.10
8/04/2018 5:00	68.80	1561	13	0.80
8/04/2018 6:00	69.20	2836	22	0.80
8/04/2018 7:00	69.00	4092	46	1.10
8/04/2018 8:00	68.20	5547	79	1.40
8/04/2018 9:00	67.70	6773	66	1.00
8/04/2018 10:00	66.60	7243	101	1.40
8/04/2018 11:00	66.60	7274	90	1.20
8/04/2018 12:00	66.40	7101	96	1.40
8/04/2018 13:00	66.00	6761	96	1.40
8/04/2018 14:00	66.50	6310	87	1.40
8/04/2018 15:00	67.10	5885	85	1.40
8/04/2018 16:00	68.10	5750	58	1.00
8/04/2018 17:00	68.80	5493	66	1.20
8/04/2018 18:00	68.60	5251	68	1.30
8/04/2018 19:00	68.70	4436	55	1.20
8/04/2018 20:00	68.10	3506	48	1.40
8/04/2018 21:00	69.90	2905	29	1.00
8/04/2018 22:00	69.10	2800	26	0.90
8/04/2018 23:00	68.70	2451	27	1.10
8/05/2018 0:00	70.10	1079	1	0.10
8/05/2018 1:00	69.00	712	9	1.30
8/05/2018 2:00	69.70	556	1	0.20
8/05/2018 3:00	70.20	460	1	0.20
8/05/2018 4:00	69.80	601	6	1.00
8/05/2018 5:00	69.90	1068	6	0.60
8/05/2018 6:00	69.70	1914	6	0.30
8/05/2018 7:00	69.20	2692	7	0.30
8/05/2018 8:00	69.10	4037	22	0.50
8/05/2018 9:00	67.60	5712	46	0.80
8/05/2018 10:00	66.20	6717	79	1.20
8/05/2018 11:00	65.60	6839	74	1.10
8/05/2018 12:00	65.50	6690	77	1.20
8/05/2018 13:00	65.90	6236	54	0.90
8/05/2018 14:00	66.70	5719	62	1.10
8/05/2018 15:00	67.00	5541	57	1.00
8/05/2018 16:00	67.20	5244	49	0.90



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/05/2018 17:00	67.70	4788	42	0.90
8/05/2018 18:00	68.10	4375	49	1.10
8/05/2018 19:00	68.20	3521	29	0.80
8/05/2018 20:00	68.20	2915	25	0.90
8/05/2018 21:00	70.00	2184	8	0.40
8/05/2018 22:00	70.30	1620	4	0.20
8/05/2018 23:00	70.10	1083	3	0.30
8/06/2018 0:00	70.00	626	6	1.00
8/06/2018 1:00	69.60	381	1	0.30
8/06/2018 2:00	69.70	323	2	0.60
8/06/2018 3:00	69.40	467	8	1.70
8/06/2018 4:00	70.00	1317	9	0.70
8/06/2018 5:00	70.50	4428	33	0.70
8/06/2018 6:00	66.40	8903	122	1.40
8/06/2018 7:00	59.40	8979	236	2.60
8/06/2018 8:00	58.90	7994	171	2.10
8/06/2018 9:00	66.30	6886	122	1.80
8/06/2018 10:00	66.20	6524	112	1.70
8/06/2018 11:00	66.40	6386	119	1.90
8/06/2018 12:00	64.80	6351	87	1.40
8/06/2018 13:00	66.80	6075	118	1.90
8/06/2018 14:00	67.20	5844	100	1.70
8/06/2018 15:00	67.40	5501	61	1.10
8/06/2018 16:00	68.00	5758	70	1.20
8/06/2018 17:00	68.70	6091	102	1.70
8/06/2018 18:00	69.10	4972	72	1.40
8/06/2018 19:00	69.30	3772	50	1.30
8/06/2018 20:00	69.00	3037	36	1.20
8/06/2018 21:00	69.90	2235	27	1.20
8/06/2018 22:00	69.50	1664	9	0.50
8/06/2018 23:00	69.80	1017	2	0.20
8/07/2018 0:00	69.80	590	3	0.50
8/07/2018 1:00	70.10	390	3	0.80
8/07/2018 2:00	69.50	317	8	2.50
8/07/2018 3:00	69.40	478	2	0.40
8/07/2018 4:00	70.20	1363	8	0.60
8/07/2018 5:00	70.20	4568	36	0.80
8/07/2018 6:00	64.70	9071	164	1.80
8/07/2018 7:00	41.50	9114	335	3.70
8/07/2018 8:00	28.50	8927	386	4.30
8/07/2018 9:00	60.80	7872	140	1.80
8/07/2018 10:00	65.70	6992	127	1.80
8/07/2018 11:00	66.20	6468	111	1.70
8/07/2018 12:00	65.90	6419	143	2.20
8/07/2018 13:00	66.50	6063	121	2.00
8/07/2018 14:00	67.30	5966	104	1.70
8/07/2018 15:00	68.30	5740	75	1.30
8/07/2018 16:00	67.90	6155	94	1.50
8/07/2018 17:00	68.40	6387	95	1.50
8/07/2018 18:00	69.10	5371	77	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/07/2018 19:00	69.10	4014	51	1.30
8/07/2018 20:00	68.70	3180	43	1.40
8/07/2018 21:00	69.20	2458	31	1.30
8/07/2018 22:00	69.70	1655	4	0.20
8/07/2018 23:00	69.60	1008	4	0.40
8/08/2018 0:00	69.50	606	3	0.50
8/08/2018 1:00	70.10	400	1	0.30
8/08/2018 2:00	69.50	306	1	0.30
8/08/2018 3:00	69.70	484	3	0.60
8/08/2018 4:00	69.50	1336	7	0.50
8/08/2018 5:00	69.50	4506	33	0.70
8/08/2018 6:00	64.60	9267	145	1.60
8/08/2018 7:00	28.70	8162	543	6.70
8/08/2018 8:00	18.40	7973	583	7.30
8/08/2018 9:00	58.60	8061	136	1.70
8/08/2018 10:00	64.90	7061	138	2.00
8/08/2018 11:00	65.80	6667	98	1.50
8/08/2018 12:00	66.20	6365	133	2.10
8/08/2018 13:00	66.60	6209	127	2.00
8/08/2018 14:00	66.70	5967	96	1.60
8/08/2018 15:00	67.20	5827	65	1.10
8/08/2018 16:00	66.60	6104	82	1.30
8/08/2018 17:00	68.10	6395	101	1.60
8/08/2018 18:00	69.00	5537	73	1.30
8/08/2018 19:00	69.40	4159	60	1.40
8/08/2018 20:00	68.10	3240	41	1.30
8/08/2018 21:00	69.60	2532	23	0.90
8/08/2018 22:00	69.50	1908	8	0.40
8/08/2018 23:00	69.80	1279	6	0.50
8/09/2018 0:00	69.90	725	1	0.10
8/09/2018 1:00	69.70	493	6	1.20
8/09/2018 2:00	69.70	352	2	0.60
8/09/2018 3:00	69.90	524	4	0.80
8/09/2018 4:00	70.10	1464	9	0.60
8/09/2018 5:00	70.00	4515	35	0.80
8/09/2018 6:00	65.40	9128	177	1.90
8/09/2018 7:00	51.10	9419	332	3.50
8/09/2018 8:00	43.10	8651	300	3.50
8/09/2018 9:00	55.60	7510	223	3.00
8/09/2018 10:00	65.30	6882	121	1.80
8/09/2018 11:00	65.30	6622	115	1.70
8/09/2018 12:00	65.40	6609	135	2.00
8/09/2018 13:00	66.10	6017	118	2.00
8/09/2018 14:00	65.90	6037	101	1.70
8/09/2018 15:00	66.90	5847	74	1.30
8/09/2018 16:00	67.90	6272	76	1.20
8/09/2018 17:00	68.30	6657	76	1.10
8/09/2018 18:00	68.40	5502	80	1.50
8/09/2018 19:00	68.60	4240	68	1.60
8/09/2018 20:00	68.40	3313	38	1.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/09/2018 21:00	69.30	2508	31	1.20
8/09/2018 22:00	69.70	1823	17	0.90
8/09/2018 23:00	69.40	1290	8	0.60
8/10/2018 0:00	69.50	893	4	0.40
8/10/2018 1:00	69.10	551	2	0.40
8/10/2018 2:00	69.70	446	3	0.70
8/10/2018 3:00	68.80	621	7	1.10
8/10/2018 4:00	70.00	1309	4	0.30
8/10/2018 5:00	69.80	4345	36	0.80
8/10/2018 6:00	66.00	8679	123	1.40
8/10/2018 7:00	63.20	9332	175	1.90
8/10/2018 8:00	63.70	8537	158	1.90
8/10/2018 9:00	65.20	7648	185	2.40
8/10/2018 10:00	65.70	7303	125	1.70
8/10/2018 11:00	66.00	6931	126	1.80
8/10/2018 12:00	65.70	6814	138	2.00
8/10/2018 13:00	66.00	6448	115	1.80
8/10/2018 14:00	66.70	6293	106	1.70
8/10/2018 15:00	67.60	6140	62	1.00
8/10/2018 16:00	67.70	6241	69	1.10
8/10/2018 17:00	68.10	6767	107	1.60
8/10/2018 18:00	69.50	5774	79	1.40
8/10/2018 19:00	69.30	4607	67	1.50
8/10/2018 20:00	68.60	3617	48	1.30
8/10/2018 21:00	69.90	3071	37	1.20
8/10/2018 22:00	70.10	2415	15	0.60
8/10/2018 23:00	70.60	1621	4	0.20
8/11/2018 0:00	69.80	1045	2	0.20
8/11/2018 1:00	69.90	681	2	0.30
8/11/2018 2:00	69.70	548	2	0.40
8/11/2018 3:00	69.70	441	4	0.90
8/11/2018 4:00	69.20	765	12	1.60
8/11/2018 5:00	69.40	1504	6	0.40
8/11/2018 6:00	69.70	2824	16	0.60
8/11/2018 7:00	69.00	4218	50	1.20
8/11/2018 8:00	68.30	5947	76	1.30
8/11/2018 9:00	66.60	6913	93	1.30
8/11/2018 10:00	66.20	7321	76	1.00
8/11/2018 11:00	66.30	7140	100	1.40
8/11/2018 12:00	66.50	7236	101	1.40
8/11/2018 13:00	66.50	6663	106	1.60
8/11/2018 14:00	67.30	6160	79	1.30
8/11/2018 15:00	67.50	5928	60	1.00
8/11/2018 16:00	67.90	5812	69	1.20
8/11/2018 17:00	68.80	5507	54	1.00
8/11/2018 18:00	68.80	5040	66	1.30
8/11/2018 19:00	68.90	4214	39	0.90
8/11/2018 20:00	68.30	3421	30	0.90
8/11/2018 21:00	69.90	2916	22	0.80
8/11/2018 22:00	70.30	2345	11	0.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/11/2018 23:00	69.90	1714	4	0.20
8/12/2018 0:00	70.20	1166	0	0.00
8/12/2018 1:00	70.00	798	1	0.10
8/12/2018 2:00	70.00	545	1	0.20
8/12/2018 3:00	70.30	502	0	0.00
8/12/2018 4:00	69.60	653	3	0.50
8/12/2018 5:00	69.30	1141	10	0.90
8/12/2018 6:00	70.00	1916	6	0.30
8/12/2018 7:00	69.90	2749	17	0.60
8/12/2018 8:00	69.20	3826	35	0.90
8/12/2018 9:00	67.90	5607	47	0.80
8/12/2018 10:00	67.00	6557	67	1.00
8/12/2018 11:00	66.60	6828	72	1.10
8/12/2018 12:00	66.40	6566	74	1.10
8/12/2018 13:00	66.60	6203	55	0.90
8/12/2018 14:00	67.30	5353	45	0.80
8/12/2018 15:00	67.60	5457	55	1.00
8/12/2018 16:00	67.70	5255	53	1.00
8/12/2018 17:00	67.90	4685	44	0.90
8/12/2018 18:00	68.30	4320	45	1.00
8/12/2018 19:00	68.00	3633	44	1.20
8/12/2018 20:00	67.60	2962	26	0.90
8/12/2018 21:00	69.10	2281	15	0.70
8/12/2018 22:00	69.60	1726	9	0.50
8/12/2018 23:00	70.20	1095	2	0.20
8/13/2018 0:00	70.30	701	1	0.10
8/13/2018 1:00	70.00	419	1	0.20
8/13/2018 2:00	70.10	358	3	0.80
8/13/2018 3:00	69.80	510	1	0.20
8/13/2018 4:00	69.60	1268	8	0.60
8/13/2018 5:00	69.70	4490	36	0.80
8/13/2018 6:00	65.40	8825	147	1.70
8/13/2018 7:00	52.90	9421	266	2.80
8/13/2018 8:00	59.40	7825	126	1.60
8/13/2018 9:00	66.00	7053	106	1.50
8/13/2018 10:00	56.50	6386	130	2.00
8/13/2018 11:00	66.00	6295	106	1.70
8/13/2018 12:00	66.60	6159	107	1.70
8/13/2018 13:00	66.50	5906	110	1.90
8/13/2018 14:00	66.90	5837	94	1.60
8/13/2018 15:00	67.40	5556	55	1.00
8/13/2018 16:00	68.10	5691	86	1.50
8/13/2018 17:00	68.50	6009	101	1.70
8/13/2018 18:00	69.10	4933	74	1.50
8/13/2018 19:00	68.80	3743	50	1.30
8/13/2018 20:00	68.20	3015	39	1.30
8/13/2018 21:00	69.60	2231	15	0.70
8/13/2018 22:00	69.60	1596	8	0.50
8/13/2018 23:00	69.90	993	4	0.40
8/14/2018 0:00	70.00	559	2	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/14/2018 1:00	70.10	377	1	0.30
8/14/2018 2:00	69.90	309	0	0.00
8/14/2018 3:00	69.50	500	5	1.00
8/14/2018 4:00	69.90	1274	6	0.50
8/14/2018 5:00	70.00	4619	33	0.70
8/14/2018 6:00	65.20	8989	152	1.70
8/14/2018 7:00	41.60	9154	161	1.80
8/14/2018 8:00	31.10	8563	347	4.10
8/14/2018 9:00	65.20	7214	123	1.70
8/14/2018 10:00	65.70	6679	131	2.00
8/14/2018 11:00	65.40	6435	131	2.00
8/14/2018 12:00	65.60	6340	128	2.00
8/14/2018 13:00	66.80	5839	104	1.80
8/14/2018 14:00	66.60	5872	98	1.70
8/14/2018 15:00	67.40	5877	79	1.30
8/14/2018 16:00	67.60	6205	93	1.50
8/14/2018 17:00	68.60	6457	92	1.40
8/14/2018 18:00	69.00	5401	80	1.50
8/14/2018 19:00	69.00	4037	55	1.40
8/14/2018 20:00	68.60	3040	42	1.40
8/14/2018 21:00	69.00	2327	14	0.60
8/14/2018 22:00	70.00	1597	8	0.50
8/14/2018 23:00	69.80	1016	2	0.20
8/15/2018 0:00	70.00	611	2	0.30
8/15/2018 1:00	69.50	398	1	0.30
8/15/2018 2:00	69.50	285	1	0.40
8/15/2018 3:00	69.40	492	4	0.80
8/15/2018 4:00	69.50	1302	11	0.80
8/15/2018 5:00	69.10	4557	40	0.90
8/15/2018 6:00	64.70	9098	153	1.70
8/15/2018 7:00	37.10	9731	327	3.40
8/15/2018 8:00	35.60	8736	208	2.40
8/15/2018 9:00	63.80	7256	152	2.10
8/15/2018 10:00	66.10	6766	116	1.70
8/15/2018 11:00	65.50	6571	150	2.30
8/15/2018 12:00	65.60	6482	132	2.00
8/15/2018 13:00	66.60	6090	133	2.20
8/15/2018 14:00	67.00	5927	95	1.60
8/15/2018 15:00	67.60	5884	68	1.20
8/15/2018 16:00	67.80	6127	89	1.50
8/15/2018 17:00	68.30	6460	87	1.30
8/15/2018 18:00	69.00	5307	80	1.50
8/15/2018 19:00	69.20	4020	51	1.30
8/15/2018 20:00	68.70	3133	30	1.00
8/15/2018 21:00	69.10	2507	26	1.00
8/15/2018 22:00	69.70	1742	10	0.60
8/15/2018 23:00	69.60	1025	6	0.60
8/16/2018 0:00	69.60	597	2	0.30
8/16/2018 1:00	69.70	368	4	1.10
8/16/2018 2:00	69.10	319	4	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/16/2018 3:00	69.00	502	11	2.20
8/16/2018 4:00	69.80	1295	13	1.00
8/16/2018 5:00	70.20	4552	37	0.80
8/16/2018 6:00	65.10	8958	152	1.70
8/16/2018 7:00	44.30	9839	411	4.20
8/16/2018 8:00	50.30	8813	156	1.80
8/16/2018 9:00	65.10	7324	155	2.10
8/16/2018 10:00	65.80	6911	135	2.00
8/16/2018 11:00	65.50	6755	164	2.40
8/16/2018 12:00	66.10	6393	144	2.30
8/16/2018 13:00	66.50	6109	146	2.40
8/16/2018 14:00	67.00	6084	95	1.60
8/16/2018 15:00	67.60	5870	93	1.60
8/16/2018 16:00	68.20	6064	74	1.20
8/16/2018 17:00	68.80	6340	74	1.20
8/16/2018 18:00	68.70	5325	95	1.80
8/16/2018 19:00	69.10	4159	57	1.40
8/16/2018 20:00	68.00	3236	53	1.60
8/16/2018 21:00	69.80	2481	21	0.80
8/16/2018 22:00	70.40	1858	9	0.50
8/16/2018 23:00	69.60	1188	7	0.60
8/17/2018 0:00	69.70	692	4	0.60
8/17/2018 1:00	69.40	486	2	0.40
8/17/2018 2:00	69.40	404	0	0.00
8/17/2018 3:00	69.50	551	5	0.90
8/17/2018 4:00	69.00	1258	6	0.50
8/17/2018 5:00	68.20	4098	41	1.00
8/17/2018 6:00	66.20	8476	143	1.70
8/17/2018 7:00	63.10	9298	220	2.40
8/17/2018 8:00	65.20	8102	173	2.10
8/17/2018 9:00	65.20	7788	162	2.10
8/17/2018 10:00	65.40	7130	143	2.00
8/17/2018 11:00	66.00	7107	128	1.80
8/17/2018 12:00	66.00	7160	137	1.90
8/17/2018 13:00	65.40	6690	147	2.20
8/17/2018 14:00	66.60	6369	115	1.80
8/17/2018 15:00	68.10	6236	67	1.10
8/17/2018 16:00	68.10	6619	98	1.50
8/17/2018 17:00	68.40	6706	98	1.50
8/17/2018 18:00	69.20	5953	96	1.60
8/17/2018 19:00	68.50	4693	63	1.30
8/17/2018 20:00	68.30	3593	45	1.30
8/17/2018 21:00	69.30	3063	32	1.00
8/17/2018 22:00	70.30	2422	14	0.60
8/17/2018 23:00	69.50	1617	10	0.60
8/18/2018 0:00	69.80	957	1	0.10
8/18/2018 1:00	69.60	720	1	0.10
8/18/2018 2:00	69.30	554	1	0.20
8/18/2018 3:00	69.80	474	3	0.60
8/18/2018 4:00	69.60	773	6	0.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/18/2018 5:00	70.10	1551	15	1.00
8/18/2018 6:00	70.70	2874	26	0.90
8/18/2018 7:00	70.00	4222	45	1.10
8/18/2018 8:00	69.00	5598	73	1.30
8/18/2018 9:00	67.50	6489	63	1.00
8/18/2018 10:00	66.60	7237	113	1.60
8/18/2018 11:00	66.40	7278	94	1.30
8/18/2018 12:00	66.90	7203	89	1.20
8/18/2018 13:00	66.60	6965	100	1.40
8/18/2018 14:00	67.10	6416	84	1.30
8/18/2018 15:00	66.50	6182	80	1.30
8/18/2018 16:00	68.10	5947	65	1.10
8/18/2018 17:00	69.00	5606	49	0.90
8/18/2018 18:00	68.70	5307	62	1.20
8/18/2018 19:00	69.30	4291	57	1.30
8/18/2018 20:00	68.50	3560	36	1.00
8/18/2018 21:00	69.20	3083	52	1.70
8/18/2018 22:00	69.60	2579	21	0.80
8/18/2018 23:00	69.20	2031	25	1.20
8/19/2018 0:00	69.80	1049	1	0.10
8/19/2018 1:00	69.70	777	4	0.50
8/19/2018 2:00	70.00	569	3	0.50
8/19/2018 3:00	70.10	455	1	0.20
8/19/2018 4:00	69.70	751	5	0.70
8/19/2018 5:00	69.50	1183	2	0.20
8/19/2018 6:00	69.80	1902	4	0.20
8/19/2018 7:00	69.70	2706	10	0.40
8/19/2018 8:00	69.20	4064	32	0.80
8/19/2018 9:00	68.00	5673	59	1.00
8/19/2018 10:00	67.00	6551	76	1.20
8/19/2018 11:00	66.40	6775	70	1.00
8/19/2018 12:00	66.30	6465	75	1.20
8/19/2018 13:00	66.80	6321	72	1.10
8/19/2018 14:00	67.40	5798	68	1.20
8/19/2018 15:00	68.10	5541	51	0.90
8/19/2018 16:00	68.10	5329	52	1.00
8/19/2018 17:00	68.50	4913	52	1.10
8/19/2018 18:00	68.50	4410	56	1.30
8/19/2018 19:00	68.80	3646	35	1.00
8/19/2018 20:00	67.80	2996	32	1.10
8/19/2018 21:00	69.80	2221	12	0.50
8/19/2018 22:00	69.30	1571	4	0.30
8/19/2018 23:00	69.60	966	4	0.40
8/20/2018 0:00	69.30	605	4	0.70
8/20/2018 1:00	69.50	380	2	0.50
8/20/2018 2:00	69.40	280	1	0.40
8/20/2018 3:00	69.30	482	3	0.60
8/20/2018 4:00	69.00	1296	7	0.50
8/20/2018 5:00	69.30	4414	26	0.60
8/20/2018 6:00	63.70	8896	165	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/20/2018 7:00	26.40	9064	974	10.70
8/20/2018 8:00	40.80	8061	191	2.40
8/20/2018 9:00	65.70	6962	124	1.80
8/20/2018 10:00	65.60	6557	129	2.00
8/20/2018 11:00	67.00	6232	106	1.70
8/20/2018 12:00	66.60	6043	132	2.20
8/20/2018 13:00	66.80	5748	127	2.20
8/20/2018 14:00	66.90	5861	100	1.70
8/20/2018 15:00	67.60	5832	78	1.30
8/20/2018 16:00	67.80	6002	72	1.20
8/20/2018 17:00	68.60	6122	111	1.80
8/20/2018 18:00	68.90	4920	83	1.70
8/20/2018 19:00	68.40	3842	81	2.10
8/20/2018 20:00	67.70	2998	60	2.00
8/20/2018 21:00	69.00	2295	16	0.70
8/20/2018 22:00	69.40	1546	10	0.60
8/20/2018 23:00	68.90	894	2	0.20
8/21/2018 0:00	69.60	593	0	0.00
8/21/2018 1:00	69.30	389	3	0.80
8/21/2018 2:00	69.40	278	3	1.10
8/21/2018 3:00	69.10	483	5	1.00
8/21/2018 4:00	69.40	1285	16	1.20
8/21/2018 5:00	70.00	4660	40	0.90
8/21/2018 6:00	54.60	8803	310	3.50
8/21/2018 7:00	20.90	8637	542	6.30
8/21/2018 8:00	29.40	8849	633	7.20
8/21/2018 9:00	63.20	7377	161	2.20
8/21/2018 10:00	65.60	6998	155	2.20
8/21/2018 11:00	66.20	6465	142	2.20
8/21/2018 12:00	66.30	6118	140	2.30
8/21/2018 13:00	66.40	6067	138	2.30
8/21/2018 14:00	66.70	6101	133	2.20
8/21/2018 15:00	67.60	5930	85	1.40
8/21/2018 16:00	68.00	6275	90	1.40
8/21/2018 17:00	68.10	6642	112	1.70
8/21/2018 18:00	68.70	5443	94	1.70
8/21/2018 19:00	68.70	4287	71	1.70
8/21/2018 20:00	68.50	3321	43	1.30
8/21/2018 21:00	69.90	2434	25	1.00
8/21/2018 22:00	69.60	1838	7	0.40
8/21/2018 23:00	68.70	2188	35	1.60
8/22/2018 0:00	69.60	700	4	0.60
8/22/2018 1:00	69.30	429	3	0.70
8/22/2018 2:00	69.10	296	4	1.40
8/22/2018 3:00	69.20	515	5	1.00
8/22/2018 4:00	69.60	1359	8	0.60
8/22/2018 5:00	69.90	4582	49	1.10
8/22/2018 6:00	53.30	9012	482	5.30
8/22/2018 7:00	21.50	8879	950	10.70
8/22/2018 8:00	51.00	8907	164	1.80



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/22/2018 9:00	65.00	7576	157	2.10
8/22/2018 10:00	65.20	6449	153	2.40
8/22/2018 11:00	65.60	6381	149	2.30
8/22/2018 12:00	65.60	6334	138	2.20
8/22/2018 13:00	66.80	6043	133	2.20
8/22/2018 14:00	66.50	6052	116	1.90
8/22/2018 15:00	66.80	6010	81	1.30
8/22/2018 16:00	67.80	6410	99	1.50
8/22/2018 17:00	68.30	6698	118	1.80
8/22/2018 18:00	68.50	5523	100	1.80
8/22/2018 19:00	68.60	4214	74	1.80
8/22/2018 20:00	68.50	3167	50	1.60
8/22/2018 21:00	69.60	2496	30	1.20
8/22/2018 22:00	70.10	1864	10	0.50
8/22/2018 23:00	69.00	1983	40	2.00
8/23/2018 0:00	69.00	817	5	0.60
8/23/2018 1:00	69.20	429	7	1.60
8/23/2018 2:00	68.80	346	2	0.60
8/23/2018 3:00	69.00	491	3	0.60
8/23/2018 4:00	69.40	1358	7	0.50
8/23/2018 5:00	69.30	4513	31	0.70
8/23/2018 6:00	52.30	9062	506	5.60
8/23/2018 7:00	23.70	9242	1046	11.30
8/23/2018 8:00	38.20	8915	765	8.60
8/23/2018 9:00	63.90	7430	169	2.30
8/23/2018 10:00	54.10	6910	291	4.20
8/23/2018 11:00	65.40	6653	159	2.40
8/23/2018 12:00	66.60	6573	154	2.30
8/23/2018 13:00	65.50	6376	168	2.60
8/23/2018 14:00	66.20	6197	124	2.00
8/23/2018 15:00	67.40	6194	96	1.50
8/23/2018 16:00	67.30	6499	121	1.90
8/23/2018 17:00	68.00	6639	140	2.10
8/23/2018 18:00	68.30	5848	111	1.90
8/23/2018 19:00	67.60	4443	89	2.00
8/23/2018 20:00	68.00	3425	47	1.40
8/23/2018 21:00	69.60	2645	33	1.20
8/23/2018 22:00	69.50	1935	21	1.10
8/23/2018 23:00	69.40	1182	6	0.50
8/24/2018 0:00	69.10	674	5	0.70
8/24/2018 1:00	69.10	480	7	1.50
8/24/2018 2:00	69.00	351	4	1.10
8/24/2018 3:00	69.00	534	6	1.10
8/24/2018 4:00	68.70	1323	18	1.40
8/24/2018 5:00	69.20	4249	49	1.20
8/24/2018 6:00	64.40	8690	206	2.40
8/24/2018 7:00	62.00	9515	251	2.60
8/24/2018 8:00	65.20	8088	138	1.70
8/24/2018 9:00	65.70	7630	153	2.00
8/24/2018 10:00	65.60	7303	164	2.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/24/2018 11:00	65.20	7132	170	2.40
8/24/2018 12:00	65.90	6968	160	2.30
8/24/2018 13:00	65.40	6884	182	2.60
8/24/2018 14:00	65.70	6718	162	2.40
8/24/2018 15:00	66.50	6886	148	2.10
8/24/2018 16:00	66.70	7217	145	2.00
8/24/2018 17:00	67.70	7353	118	1.60
8/24/2018 18:00	67.70	6590	141	2.10
8/24/2018 19:00	67.20	5206	101	1.90
8/24/2018 20:00	68.20	3800	61	1.60
8/24/2018 21:00	68.80	3116	45	1.40
8/24/2018 22:00	69.60	2494	34	1.40
8/24/2018 23:00	69.70	1626	2	0.10
8/25/2018 0:00	70.00	1070	4	0.40
8/25/2018 1:00	69.80	750	0	0.00
8/25/2018 2:00	69.40	539	2	0.40
8/25/2018 3:00	69.20	462	1	0.20
8/25/2018 4:00	69.20	782	5	0.60
8/25/2018 5:00	69.80	1503	8	0.50
8/25/2018 6:00	69.80	2731	16	0.60
8/25/2018 7:00	69.20	4147	34	0.80
8/25/2018 8:00	68.20	5575	76	1.40
8/25/2018 9:00	67.60	6661	100	1.50
8/25/2018 10:00	67.10	7295	113	1.50
8/25/2018 11:00	66.00	7774	121	1.60
8/25/2018 12:00	64.40	8113	201	2.50
8/25/2018 13:00	65.10	7320	171	2.30
8/25/2018 14:00	66.40	7216	138	1.90
8/25/2018 15:00	66.90	6526	107	1.60
8/25/2018 16:00	64.50	6183	105	1.70
8/25/2018 17:00	68.00	6017	91	1.50
8/25/2018 18:00	68.30	5733	89	1.60
8/25/2018 19:00	68.60	4528	64	1.40
8/25/2018 20:00	68.00	3709	44	1.20
8/25/2018 21:00	70.20	2966	25	0.80
8/25/2018 22:00	70.40	2582	19	0.70
8/25/2018 23:00	70.40	1823	10	0.50
8/26/2018 0:00	69.80	1171	9	0.80
8/26/2018 1:00	69.40	808	3	0.40
8/26/2018 2:00	69.80	615	0	0.00
8/26/2018 3:00	70.20	450	1	0.20
8/26/2018 4:00	69.80	630	4	0.60
8/26/2018 5:00	69.80	1052	2	0.20
8/26/2018 6:00	69.70	1907	1	0.10
8/26/2018 7:00	70.00	2645	7	0.30
8/26/2018 8:00	69.50	4104	16	0.40
8/26/2018 9:00	68.80	5508	68	1.20
8/26/2018 10:00	67.30	6510	82	1.30
8/26/2018 11:00	67.60	6905	72	1.00
8/26/2018 12:00	66.10	6898	87	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/26/2018 13:00	66.30	6569	88	1.30
8/26/2018 14:00	66.70	6202	90	1.50
8/26/2018 15:00	67.00	5687	65	1.10
8/26/2018 16:00	67.70	5488	71	1.30
8/26/2018 17:00	68.00	5003	59	1.20
8/26/2018 18:00	69.10	4678	57	1.20
8/26/2018 19:00	68.40	3792	60	1.60
8/26/2018 20:00	68.70	3003	32	1.10
8/26/2018 21:00	69.60	2218	17	0.80
8/26/2018 22:00	69.90	1565	0	0.00
8/26/2018 23:00	69.50	988	3	0.30
8/27/2018 0:00	69.70	599	1	0.20
8/27/2018 1:00	69.70	384	2	0.50
8/27/2018 2:00	69.40	283	2	0.70
8/27/2018 3:00	69.40	444	2	0.50
8/27/2018 4:00	69.70	1280	5	0.40
8/27/2018 5:00	69.60	4437	31	0.70
8/27/2018 6:00	63.90	9143	204	2.20
8/27/2018 7:00	25.40	8760	1434	16.40
8/27/2018 8:00	21.60	8512	573	6.70
8/27/2018 9:00	60.70	7303	158	2.20
8/27/2018 10:00	66.40	6321	131	2.10
8/27/2018 11:00	66.00	5727	111	1.90
8/27/2018 12:00	67.00	6031	123	2.00
8/27/2018 13:00	66.70	5810	133	2.30
8/27/2018 14:00	66.80	6099	103	1.70
8/27/2018 15:00	66.90	6357	108	1.70
8/27/2018 16:00	67.60	6225	123	2.00
8/27/2018 17:00	67.80	6399	132	2.10
8/27/2018 18:00	68.50	5336	86	1.60
8/27/2018 19:00	69.00	4250	83	2.00
8/27/2018 20:00	68.60	3036	42	1.40
8/27/2018 21:00	69.80	2369	32	1.40
8/27/2018 22:00	69.50	1505	16	1.10
8/27/2018 23:00	68.70	908	4	0.40
8/28/2018 0:00	69.00	484	4	0.80
8/28/2018 1:00	69.20	348	4	1.10
8/28/2018 2:00	69.00	232	1	0.40
8/28/2018 3:00	69.30	516	1	0.20
8/28/2018 4:00	69.50	1365	8	0.60
8/28/2018 5:00	69.80	4566	41	0.90
8/28/2018 6:00	53.20	9248	529	5.70
8/28/2018 7:00	21.40	8457	1432	16.90
8/28/2018 8:00	19.30	8546	501	5.90
8/28/2018 9:00	51.30	8108	242	3.00
8/28/2018 10:00	66.00	6568	108	1.60
8/28/2018 11:00	66.60	6128	126	2.10
8/28/2018 12:00	66.30	6171	140	2.30
8/28/2018 13:00	66.20	6088	145	2.40
8/28/2018 14:00	66.60	6353	115	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/28/2018 15:00	67.50	6353	94	1.50
8/28/2018 16:00	67.50	6642	120	1.80
8/28/2018 17:00	68.30	6890	129	1.90
8/28/2018 18:00	69.00	5618	108	1.90
8/28/2018 19:00	68.50	4407	76	1.70
8/28/2018 20:00	69.10	3221	54	1.70
8/28/2018 21:00	70.40	2573	22	0.90
8/28/2018 22:00	70.00	1557	12	0.80
8/28/2018 23:00	69.60	897	3	0.30
8/29/2018 0:00	69.60	543	1	0.20
8/29/2018 1:00	69.70	337	1	0.30
8/29/2018 2:00	69.60	284	5	1.80
8/29/2018 3:00	69.20	496	5	1.00
8/29/2018 4:00	69.80	1408	12	0.90
8/29/2018 5:00	69.60	4520	25	0.60
8/29/2018 6:00	44.70	8980	614	6.80
8/29/2018 7:00	20.20	8741	917	10.50
8/29/2018 8:00	20.00	8433	536	6.40
8/29/2018 9:00	45.60	8177	187	2.30
8/29/2018 10:00	65.90	6492	119	1.80
8/29/2018 11:00	65.40	6294	138	2.20
8/29/2018 12:00	66.50	6387	147	2.30
8/29/2018 13:00	66.60	6231	155	2.50
8/29/2018 14:00	67.00	6144	123	2.00
8/29/2018 15:00	67.60	6185	122	2.00
8/29/2018 16:00	67.50	6608	132	2.00
8/29/2018 17:00	68.00	6843	129	1.90
8/29/2018 18:00	68.70	5630	121	2.10
8/29/2018 19:00	68.50	4483	97	2.20
8/29/2018 20:00	68.60	3493	53	1.50
8/29/2018 21:00	70.00	2527	28	1.10
8/29/2018 22:00	69.90	1673	4	0.20
8/29/2018 23:00	69.60	994	5	0.50
8/30/2018 0:00	69.70	585	5	0.90
8/30/2018 1:00	69.30	366	1	0.30
8/30/2018 2:00	69.40	313	1	0.30
8/30/2018 3:00	69.40	461	2	0.40
8/30/2018 4:00	69.80	1377	5	0.40
8/30/2018 5:00	70.10	4430	30	0.70
8/30/2018 6:00	64.00	9109	214	2.30
8/30/2018 7:00	53.20	8464	684	8.10
8/30/2018 8:00	22.20	8129	472	5.80
8/30/2018 9:00	35.10	8188	631	7.70
8/30/2018 10:00	65.60	6569	151	2.30
8/30/2018 11:00	66.30	6608	142	2.10
8/30/2018 12:00	66.00	6605	159	2.40
8/30/2018 13:00	66.30	6246	129	2.10
8/30/2018 14:00	66.30	6560	157	2.40
8/30/2018 15:00	66.60	6676	118	1.80
8/30/2018 16:00	67.90	6624	90	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
8/30/2018 17:00	67.90	7014	151	2.20
8/30/2018 18:00	68.70	5911	131	2.20
8/30/2018 19:00	67.10	4769	101	2.10
8/30/2018 20:00	67.50	3457	46	1.30
8/30/2018 21:00	68.90	2835	39	1.40
8/30/2018 22:00	69.40	1934	13	0.70
8/30/2018 23:00	70.10	1213	2	0.20
8/31/2018 0:00	68.80	728	12	1.60
8/31/2018 1:00	69.30	493	2	0.40
8/31/2018 2:00	69.20	371	3	0.80
8/31/2018 3:00	68.80	522	5	1.00
8/31/2018 4:00	69.90	1369	10	0.70
8/31/2018 5:00	69.90	4025	38	0.90
8/31/2018 6:00	65.40	8935	191	2.10
8/31/2018 7:00	30.90	9271	960	10.40
8/31/2018 8:00	37.20	8201	312	3.80
8/31/2018 9:00	65.80	7541	145	1.90
8/31/2018 10:00	65.90	7495	185	2.50
8/31/2018 11:00	65.80	7439	148	2.00
8/31/2018 12:00	64.20	7542	214	2.80
8/31/2018 13:00	66.00	7225	149	2.10
8/31/2018 14:00	66.40	7324	159	2.20
8/31/2018 15:00	67.30	6810	112	1.60
8/31/2018 16:00	67.60	7006	99	1.40
8/31/2018 17:00	67.60	7351	148	2.00
8/31/2018 18:00	68.00	6580	117	1.80
8/31/2018 19:00	67.80	5327	83	1.60
8/31/2018 20:00	68.00	3996	68	1.70
8/31/2018 21:00	69.50	3436	31	0.90
8/31/2018 22:00	69.70	2625	17	0.60
8/31/2018 23:00	70.00	1823	7	0.40
9/01/2018 0:00	69.90	1177	0	0.00
9/01/2018 1:00	69.50	799	5	0.60
9/01/2018 2:00	69.50	637	0	0.00
9/01/2018 3:00	69.50	522	0	0.00
9/01/2018 4:00	69.60	690	2	0.30
9/01/2018 5:00	69.30	1370	8	0.60
9/01/2018 6:00	69.50	2672	26	1.00
9/01/2018 7:00	69.40	3854	37	1.00
9/01/2018 8:00	68.60	5241	76	1.50
9/01/2018 9:00	67.90	6472	73	1.10
9/01/2018 10:00	67.40	6947	102	1.50
9/01/2018 11:00	66.70	7316	103	1.40
9/01/2018 12:00	66.60	7197	94	1.30
9/01/2018 13:00	67.00	6857	114	1.70
9/01/2018 14:00	67.30	6347	82	1.30
9/01/2018 15:00	67.80	6235	106	1.70
9/01/2018 16:00	68.80	5776	61	1.10
9/01/2018 17:00	68.90	5711	62	1.10
9/01/2018 18:00	69.00	5284	70	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/01/2018 19:00	68.60	4387	65	1.50
9/01/2018 20:00	68.90	3444	41	1.20
9/01/2018 21:00	69.90	2993	30	1.00
9/01/2018 22:00	69.10	2515	18	0.70
9/01/2018 23:00	67.90	2661	47	1.80
9/02/2018 0:00	69.10	1294	6	0.50
9/02/2018 1:00	69.50	816	0	0.00
9/02/2018 2:00	69.70	596	2	0.30
9/02/2018 3:00	70.00	492	0	0.00
9/02/2018 4:00	69.80	531	3	0.60
9/02/2018 5:00	69.80	1033	2	0.20
9/02/2018 6:00	69.90	1871	9	0.50
9/02/2018 7:00	69.80	2595	13	0.50
9/02/2018 8:00	69.40	3788	23	0.60
9/02/2018 9:00	68.40	5488	63	1.10
9/02/2018 10:00	67.80	6407	69	1.10
9/02/2018 11:00	66.80	6883	83	1.20
9/02/2018 12:00	66.40	6631	80	1.20
9/02/2018 13:00	66.80	6434	83	1.30
9/02/2018 14:00	67.70	5948	73	1.20
9/02/2018 15:00	67.90	5669	65	1.10
9/02/2018 16:00	68.20	5310	55	1.00
9/02/2018 17:00	68.10	5235	52	1.00
9/02/2018 18:00	68.90	4683	40	0.90
9/02/2018 19:00	68.00	3705	35	0.90
9/02/2018 20:00	68.00	2956	32	1.10
9/02/2018 21:00	69.50	2538	21	0.80
9/02/2018 22:00	69.80	2087	9	0.40
9/02/2018 23:00	69.60	1415	0	0.00
9/03/2018 0:00	69.90	910	2	0.20
9/03/2018 1:00	69.40	607	2	0.30
9/03/2018 2:00	69.30	444	0	0.00
9/03/2018 3:00	69.90	423	1	0.20
9/03/2018 4:00	69.40	606	3	0.50
9/03/2018 5:00	69.90	1302	9	0.70
9/03/2018 6:00	70.30	1958	6	0.30
9/03/2018 7:00	69.50	2429	16	0.70
9/03/2018 8:00	69.50	3527	21	0.60
9/03/2018 9:00	69.00	4626	43	0.90
9/03/2018 10:00	69.20	5542	53	1.00
9/03/2018 11:00	68.40	6013	65	1.10
9/03/2018 12:00	68.10	5912	50	0.80
9/03/2018 13:00	68.10	5812	77	1.30
9/03/2018 14:00	69.10	5411	61	1.10
9/03/2018 15:00	68.90	5177	60	1.20
9/03/2018 16:00	69.20	4737	51	1.10
9/03/2018 17:00	69.30	4386	51	1.20
9/03/2018 18:00	69.40	4189	34	0.80
9/03/2018 19:00	69.40	3619	31	0.90
9/03/2018 20:00	69.30	2685	20	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/03/2018 21:00	70.30	2202	17	0.80
9/03/2018 22:00	70.30	1477	5	0.30
9/03/2018 23:00	69.80	927	2	0.20
9/04/2018 0:00	69.60	569	1	0.20
9/04/2018 1:00	69.60	379	1	0.30
9/04/2018 2:00	69.60	306	3	1.00
9/04/2018 3:00	69.10	496	8	1.60
9/04/2018 4:00	69.60	1347	14	1.00
9/04/2018 5:00	70.00	4601	42	0.90
9/04/2018 6:00	57.90	9044	454	5.00
9/04/2018 7:00	25.40	9250	795	8.60
9/04/2018 8:00	37.80	9032	314	3.50
9/04/2018 9:00	64.20	7027	140	2.00
9/04/2018 10:00	65.60	6362	137	2.20
9/04/2018 11:00	66.50	6307	149	2.40
9/04/2018 12:00	66.30	6275	134	2.10
9/04/2018 13:00	66.60	5998	119	2.00
9/04/2018 14:00	67.30	6400	142	2.20
9/04/2018 15:00	67.50	6389	108	1.70
9/04/2018 16:00	68.50	6255	96	1.50
9/04/2018 17:00	68.10	6601	108	1.60
9/04/2018 18:00	68.70	5365	63	1.20
9/04/2018 19:00	69.20	4196	65	1.50
9/04/2018 20:00	69.20	2955	29	1.00
9/04/2018 21:00	69.60	2515	32	1.30
9/04/2018 22:00	67.20	1565	8	0.50
9/04/2018 23:00	69.10	907	1	0.10
9/05/2018 0:00	69.40	489	0	0.00
9/05/2018 1:00	69.20	323	1	0.30
9/05/2018 2:00	69.40	295	1	0.30
9/05/2018 3:00	68.70	500	4	0.80
9/05/2018 4:00	69.50	1355	8	0.60
9/05/2018 5:00	69.30	4626	38	0.80
9/05/2018 6:00	57.10	9426	266	2.80
9/05/2018 7:00	20.70	8673	989	11.40
9/05/2018 8:00	19.60	8551	300	3.50
9/05/2018 9:00	45.20	7903	377	4.80
9/05/2018 10:00	65.90	6689	134	2.00
9/05/2018 11:00	65.30	6427	123	1.90
9/05/2018 12:00	66.10	6470	141	2.20
9/05/2018 13:00	66.70	6141	129	2.10
9/05/2018 14:00	66.40	6327	126	2.00
9/05/2018 15:00	67.10	6311	103	1.60
9/05/2018 16:00	68.00	6536	105	1.60
9/05/2018 17:00	67.50	6759	131	1.90
9/05/2018 18:00	68.10	5969	109	1.80
9/05/2018 19:00	68.80	4703	102	2.20
9/05/2018 20:00	68.40	3328	65	2.00
9/05/2018 21:00	69.70	2606	30	1.20
9/05/2018 22:00	69.90	1811	7	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/05/2018 23:00	69.70	1199	8	0.70
9/06/2018 0:00	69.60	680	3	0.40
9/06/2018 1:00	69.60	425	2	0.50
9/06/2018 2:00	69.30	353	3	0.80
9/06/2018 3:00	69.40	497	1	0.20
9/06/2018 4:00	69.80	1381	2	0.10
9/06/2018 5:00	70.00	4519	32	0.70
9/06/2018 6:00	64.50	9100	185	2.00
9/06/2018 7:00	45.40	9435	783	8.30
9/06/2018 8:00	41.40	8719	409	4.70
9/06/2018 9:00	60.30	7520	213	2.80
9/06/2018 10:00	65.30	6821	159	2.30
9/06/2018 11:00	66.50	6407	111	1.70
9/06/2018 12:00	66.50	6674	149	2.20
9/06/2018 13:00	66.70	6098	144	2.40
9/06/2018 14:00	66.80	6769	127	1.90
9/06/2018 15:00	67.00	6717	135	2.00
9/06/2018 16:00	67.50	6743	123	1.80
9/06/2018 17:00	67.80	6748	124	1.80
9/06/2018 18:00	68.30	5611	115	2.00
9/06/2018 19:00	67.20	4708	96	2.00
9/06/2018 20:00	68.60	3326	51	1.50
9/06/2018 21:00	70.60	2859	22	0.80
9/06/2018 22:00	69.10	1890	14	0.70
9/06/2018 23:00	69.70	1121	3	0.30
9/07/2018 0:00	69.90	612	1	0.20
9/07/2018 1:00	69.60	422	3	0.70
9/07/2018 2:00	69.60	406	3	0.70
9/07/2018 3:00	66.60	549	5	0.90
9/07/2018 4:00	69.50	1338	7	0.50
9/07/2018 5:00	70.00	4339	44	1.00
9/07/2018 6:00	65.20	8892	177	2.00
9/07/2018 7:00	39.30	9399	555	5.90
9/07/2018 8:00	24.10	8860	634	7.20
9/07/2018 9:00	62.40	7532	160	2.10
9/07/2018 10:00	66.60	7137	157	2.20
9/07/2018 11:00	66.00	7011	162	2.30
9/07/2018 12:00	65.50	6977	171	2.50
9/07/2018 13:00	65.50	6739	184	2.70
9/07/2018 14:00	66.30	6772	139	2.10
9/07/2018 15:00	67.50	6484	109	1.70
9/07/2018 16:00	68.50	6674	105	1.60
9/07/2018 17:00	68.40	6723	127	1.90
9/07/2018 18:00	68.50	6038	88	1.50
9/07/2018 19:00	68.00	4929	92	1.90
9/07/2018 20:00	69.30	3750	57	1.50
9/07/2018 21:00	70.10	2940	34	1.20
9/07/2018 22:00	69.10	2462	34	1.40
9/07/2018 23:00	69.80	1694	9	0.50
9/08/2018 0:00	69.60	1038	3	0.30



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/08/2018 1:00	69.50	713	1	0.10
9/08/2018 2:00	69.50	572	0	0.00
9/08/2018 3:00	69.20	446	1	0.20
9/08/2018 4:00	69.50	720	4	0.60
9/08/2018 5:00	69.40	1499	17	1.10
9/08/2018 6:00	69.50	2772	29	1.00
9/08/2018 7:00	69.10	4247	53	1.20
9/08/2018 8:00	69.20	5564	87	1.60
9/08/2018 9:00	68.80	6498	107	1.60
9/08/2018 10:00	67.70	6936	115	1.70
9/08/2018 11:00	67.10	7467	82	1.10
9/08/2018 12:00	66.30	7175	89	1.20
9/08/2018 13:00	66.40	7025	109	1.60
9/08/2018 14:00	67.20	6337	86	1.40
9/08/2018 15:00	67.70	6042	79	1.30
9/08/2018 16:00	68.30	6106	85	1.40
9/08/2018 17:00	68.40	6032	92	1.50
9/08/2018 18:00	68.30	5367	84	1.60
9/08/2018 19:00	68.10	4259	52	1.20
9/08/2018 20:00	68.20	3472	42	1.20
9/08/2018 21:00	68.90	2932	23	0.80
9/08/2018 22:00	69.50	2505	15	0.60
9/08/2018 23:00	69.60	1773	10	0.60
9/09/2018 0:00	69.70	1133	1	0.10
9/09/2018 1:00	69.60	795	1	0.10
9/09/2018 2:00	69.50	640	1	0.20
9/09/2018 3:00	69.90	421	1	0.20
9/09/2018 4:00	69.70	589	2	0.30
9/09/2018 5:00	69.50	1095	7	0.60
9/09/2018 6:00	70.40	2023	7	0.30
9/09/2018 7:00	70.20	2660	14	0.50
9/09/2018 8:00	69.10	4105	35	0.90
9/09/2018 9:00	68.10	5648	66	1.20
9/09/2018 10:00	67.40	6318	84	1.30
9/09/2018 11:00	66.80	6555	79	1.20
9/09/2018 12:00	67.00	6450	69	1.10
9/09/2018 13:00	67.30	6085	72	1.20
9/09/2018 14:00	67.70	5443	64	1.20
9/09/2018 15:00	68.20	5274	63	1.20
9/09/2018 16:00	67.70	5085	76	1.50
9/09/2018 17:00	68.10	5067	70	1.40
9/09/2018 18:00	68.10	4292	58	1.40
9/09/2018 19:00	68.10	3761	46	1.20
9/09/2018 20:00	68.60	2882	29	1.00
9/09/2018 21:00	69.20	2252	25	1.10
9/09/2018 22:00	69.50	1701	8	0.50
9/09/2018 23:00	68.00	1617	23	1.40
9/10/2018 0:00	69.50	625	5	0.80
9/10/2018 1:00	69.30	384	4	1.00
9/10/2018 2:00	69.20	277	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/10/2018 3:00	69.20	502	4	0.80
9/10/2018 4:00	69.80	1340	8	0.60
9/10/2018 5:00	68.80	4534	34	0.70
9/10/2018 6:00	40.80	8983	518	5.80
9/10/2018 7:00	21.50	8833	1160	13.10
9/10/2018 8:00	19.90	8429	774	9.20
9/10/2018 9:00	53.60	7623	206	2.70
9/10/2018 10:00	64.60	6259	178	2.80
9/10/2018 11:00	64.10	6111	185	3.00
9/10/2018 12:00	64.70	5956	138	2.30
9/10/2018 13:00	65.00	5885	159	2.70
9/10/2018 14:00	65.40	6082	151	2.50
9/10/2018 15:00	65.90	6157	126	2.00
9/10/2018 16:00	61.50	6039	176	2.90
9/10/2018 17:00	67.00	6151	101	1.60
9/10/2018 18:00	67.60	5195	106	2.00
9/10/2018 19:00	68.10	4116	70	1.70
9/10/2018 20:00	68.20	2826	33	1.20
9/10/2018 21:00	69.00	2369	26	1.10
9/10/2018 22:00	68.90	1493	3	0.20
9/10/2018 23:00	68.90	913	4	0.40
9/11/2018 0:00	62.70	523	2	0.40
9/11/2018 1:00	56.10	338	2	0.60
9/11/2018 2:00	54.60	288	4	1.40
9/11/2018 3:00	54.50	515	2	0.40
9/11/2018 4:00	54.70	1396	6	0.40
9/11/2018 5:00	53.20	4700	50	1.10
9/11/2018 6:00	47.20	9274	275	3.00
9/11/2018 7:00	22.60	9352	456	4.90
9/11/2018 8:00	16.60	8630	494	5.70
9/11/2018 9:00	29.60	7422	420	5.70
9/11/2018 10:00	50.10	6682	156	2.30
9/11/2018 11:00	50.80	6160	142	2.30
9/11/2018 12:00	50.60	6321	157	2.50
9/11/2018 13:00	51.00	5926	156	2.60
9/11/2018 14:00	51.20	6322	137	2.20
9/11/2018 15:00	51.90	6295	102	1.60
9/11/2018 16:00	52.50	6524	103	1.60
9/11/2018 17:00	52.80	6410	107	1.70
9/11/2018 18:00	52.80	5450	100	1.80
9/11/2018 19:00	51.80	4329	75	1.70
9/11/2018 20:00	52.10	3073	42	1.40
9/11/2018 21:00	52.80	2631	35	1.30
9/11/2018 22:00	52.70	1846	23	1.20
9/11/2018 23:00	52.50	1612	23	1.40
9/12/2018 0:00	69.80	511	1	0.20
9/12/2018 1:00	69.30	367	0	0.00
9/12/2018 2:00	68.90	274	0	0.00
9/12/2018 3:00	69.20	503	3	0.60
9/12/2018 4:00	69.80	1419	7	0.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/12/2018 5:00	69.80	4596	38	0.80
9/12/2018 6:00	62.20	8911	143	1.60
9/12/2018 7:00	23.80	8539	132	1.50
9/12/2018 8:00	16.00	7298	170	2.30
9/12/2018 9:00	18.40	7683	249	3.20
9/12/2018 10:00	53.20	7117	175	2.50
9/12/2018 11:00	65.00	6924	175	2.50
9/12/2018 12:00	64.20	7385	214	2.90
9/12/2018 13:00	64.10	7524	252	3.30
9/12/2018 14:00	65.20	7020	191	2.70
9/12/2018 15:00	66.30	6462	103	1.60
9/12/2018 16:00	68.20	6252	100	1.60
9/12/2018 17:00	68.60	6324	113	1.80
9/12/2018 18:00	68.40	5563	116	2.10
9/12/2018 19:00	68.00	4350	59	1.40
9/12/2018 20:00	68.30	3259	40	1.20
9/12/2018 21:00	69.70	2735	30	1.10
9/12/2018 22:00	69.60	1622	10	0.60
9/12/2018 23:00	69.40	1054	3	0.30
9/13/2018 0:00	69.80	555	1	0.20
9/13/2018 1:00	69.40	336	1	0.30
9/13/2018 2:00	69.20	306	3	1.00
9/13/2018 3:00	68.90	492	7	1.40
9/13/2018 4:00	69.90	1454	17	1.20
9/13/2018 5:00	70.10	4646	39	0.80
9/13/2018 6:00	40.20	8871	842	9.50
9/13/2018 7:00	21.40	9222	568	6.20
9/13/2018 8:00	19.50	8439	469	5.60
9/13/2018 9:00	51.70	7983	235	2.90
9/13/2018 10:00	65.70	6729	171	2.50
9/13/2018 11:00	65.30	6630	144	2.20
9/13/2018 12:00	65.20	6601	169	2.60
9/13/2018 13:00	64.70	6276	185	2.90
9/13/2018 14:00	66.00	6824	147	2.20
9/13/2018 15:00	66.80	6606	107	1.60
9/13/2018 16:00	67.50	6590	122	1.90
9/13/2018 17:00	68.50	7047	129	1.80
9/13/2018 18:00	68.40	5974	116	1.90
9/13/2018 19:00	67.30	4945	107	2.20
9/13/2018 20:00	68.30	3446	39	1.10
9/13/2018 21:00	69.50	2912	45	1.50
9/13/2018 22:00	69.80	1940	13	0.70
9/13/2018 23:00	69.40	1156	7	0.60
9/14/2018 0:00	69.70	690	2	0.30
9/14/2018 1:00	69.50	454	1	0.20
9/14/2018 2:00	69.50	393	4	1.00
9/14/2018 3:00	69.30	552	1	0.20
9/14/2018 4:00	69.60	1368	6	0.40
9/14/2018 5:00	70.10	4211	41	1.00
9/14/2018 6:00	58.10	8892	149	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/14/2018 7:00	20.40	8285	461	5.60
9/14/2018 8:00	18.20	8030	534	6.70
9/14/2018 9:00	45.30	7691	266	3.50
9/14/2018 10:00	65.50	7259	184	2.50
9/14/2018 11:00	65.60	7199	158	2.20
9/14/2018 12:00	65.00	7173	167	2.30
9/14/2018 13:00	65.80	6896	177	2.60
9/14/2018 14:00	66.90	6841	154	2.30
9/14/2018 15:00	68.00	6738	101	1.50
9/14/2018 16:00	68.40	6686	99	1.50
9/14/2018 17:00	68.00	6555	110	1.70
9/14/2018 18:00	67.10	6050	138	2.30
9/14/2018 19:00	67.40	4861	72	1.50
9/14/2018 20:00	69.00	3687	58	1.60
9/14/2018 21:00	69.70	3056	34	1.10
9/14/2018 22:00	69.50	2499	17	0.70
9/14/2018 23:00	69.50	1606	7	0.40
9/15/2018 0:00	69.60	991	0	0.00
9/15/2018 1:00	69.70	727	1	0.10
9/15/2018 2:00	69.10	524	7	1.30
9/15/2018 3:00	69.60	467	2	0.40
9/15/2018 4:00	69.80	834	2	0.20
9/15/2018 5:00	69.10	1619	12	0.70
9/15/2018 6:00	70.60	3137	22	0.70
9/15/2018 7:00	70.00	4271	44	1.00
9/15/2018 8:00	68.80	5906	90	1.50
9/15/2018 9:00	68.00	6724	101	1.50
9/15/2018 10:00	67.40	7303	116	1.60
9/15/2018 11:00	66.80	7334	128	1.70
9/15/2018 12:00	66.60	7154	131	1.80
9/15/2018 13:00	66.40	6757	108	1.60
9/15/2018 14:00	67.70	6317	73	1.20
9/15/2018 15:00	68.40	5968	63	1.10
9/15/2018 16:00	69.40	5828	71	1.20
9/15/2018 17:00	69.40	5813	88	1.50
9/15/2018 18:00	69.40	5359	85	1.60
9/15/2018 19:00	68.10	4205	58	1.40
9/15/2018 20:00	69.10	3137	35	1.10
9/15/2018 21:00	69.20	2772	32	1.20
9/15/2018 22:00	69.70	2542	8	0.30
9/15/2018 23:00	68.50	1930	16	0.80
9/16/2018 0:00	69.50	1312	8	0.60
9/16/2018 1:00	69.60	825	2	0.20
9/16/2018 2:00	69.50	589	0	0.00
9/16/2018 3:00	69.50	474	3	0.60
9/16/2018 4:00	69.90	567	2	0.40
9/16/2018 5:00	69.70	1101	3	0.30
9/16/2018 6:00	70.00	1981	5	0.30
9/16/2018 7:00	69.70	2715	19	0.70
9/16/2018 8:00	69.70	4013	29	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/16/2018 9:00	68.20	5641	59	1.00
9/16/2018 10:00	67.50	6484	53	0.80
9/16/2018 11:00	66.80	6515	91	1.40
9/16/2018 12:00	66.30	6510	96	1.50
9/16/2018 13:00	67.20	6231	86	1.40
9/16/2018 14:00	67.80	5659	59	1.00
9/16/2018 15:00	67.90	5286	54	1.00
9/16/2018 16:00	68.20	5118	49	1.00
9/16/2018 17:00	68.30	4875	71	1.50
9/16/2018 18:00	67.80	4437	66	1.50
9/16/2018 19:00	67.70	3711	61	1.60
9/16/2018 20:00	68.30	2886	27	0.90
9/16/2018 21:00	69.90	2101	11	0.50
9/16/2018 22:00	69.20	1483	5	0.30
9/16/2018 23:00	69.80	935	3	0.30
9/17/2018 0:00	69.60	560	0	0.00
9/17/2018 1:00	69.40	367	3	0.80
9/17/2018 2:00	68.90	272	5	1.80
9/17/2018 3:00	69.00	505	2	0.40
9/17/2018 4:00	69.20	1351	10	0.70
9/17/2018 5:00	68.90	4530	29	0.60
9/17/2018 6:00	63.00	8990	151	1.70
9/17/2018 7:00	22.40	8455	1016	12.00
9/17/2018 8:00	17.40	7925	1048	13.20
9/17/2018 9:00	53.40	7089	222	3.10
9/17/2018 10:00	64.30	6599	154	2.30
9/17/2018 11:00	64.80	5874	127	2.20
9/17/2018 12:00	65.50	5943	121	2.00
9/17/2018 13:00	65.40	5738	118	2.10
9/17/2018 14:00	65.00	6187	124	2.00
9/17/2018 15:00	66.50	6071	124	2.00
9/17/2018 16:00	67.70	6037	98	1.60
9/17/2018 17:00	67.70	6069	128	2.10
9/17/2018 18:00	67.60	5247	114	2.20
9/17/2018 19:00	67.50	3998	75	1.90
9/17/2018 20:00	67.70	3014	54	1.80
9/17/2018 21:00	69.40	2247	22	1.00
9/17/2018 22:00	69.10	1543	7	0.50
9/17/2018 23:00	68.20	1299	17	1.30
9/18/2018 0:00	69.60	570	2	0.40
9/18/2018 1:00	69.30	349	8	2.30
9/18/2018 2:00	68.80	300	6	2.00
9/18/2018 3:00	69.10	480	3	0.60
9/18/2018 4:00	69.70	1381	8	0.60
9/18/2018 5:00	70.00	4685	45	1.00
9/18/2018 6:00	58.70	9227	276	3.00
9/18/2018 7:00	19.60	8359	1045	12.50
9/18/2018 8:00	15.00	7530	591	7.80
9/18/2018 9:00	17.70	7672	1153	15.00
9/18/2018 10:00	62.80	6305	115	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/18/2018 11:00	65.80	6198	155	2.50
9/18/2018 12:00	65.80	6304	133	2.10
9/18/2018 13:00	65.50	5899	139	2.40
9/18/2018 14:00	66.40	6300	124	2.00
9/18/2018 15:00	67.10	6375	110	1.70
9/18/2018 16:00	69.00	6338	112	1.80
9/18/2018 17:00	68.40	6735	135	2.00
9/18/2018 18:00	68.20	5681	138	2.40
9/18/2018 19:00	66.60	4470	101	2.30
9/18/2018 20:00	68.10	3065	41	1.30
9/18/2018 21:00	70.00	2621	21	0.80
9/18/2018 22:00	69.70	1543	12	0.80
9/18/2018 23:00	69.40	913	7	0.80
9/19/2018 0:00	69.80	520	3	0.60
9/19/2018 1:00	69.10	332	8	2.40
9/19/2018 2:00	69.30	296	0	0.00
9/19/2018 3:00	69.00	506	3	0.60
9/19/2018 4:00	69.50	1356	4	0.30
9/19/2018 5:00	69.60	4719	49	1.00
9/19/2018 6:00	52.30	9179	261	2.80
9/19/2018 7:00	21.50	9047	966	10.70
9/19/2018 8:00	16.80	7870	746	9.50
9/19/2018 9:00	47.40	7360	206	2.80
9/19/2018 10:00	65.40	6381	155	2.40
9/19/2018 11:00	66.80	6408	116	1.80
9/19/2018 12:00	66.40	6363	135	2.10
9/19/2018 13:00	66.50	6248	142	2.30
9/19/2018 14:00	66.40	6291	119	1.90
9/19/2018 15:00	66.90	6364	92	1.40
9/19/2018 16:00	67.20	6578	104	1.60
9/19/2018 17:00	67.90	6790	137	2.00
9/19/2018 18:00	67.10	5845	143	2.40
9/19/2018 19:00	67.50	4418	84	1.90
9/19/2018 20:00	68.10	3211	54	1.70
9/19/2018 21:00	68.10	2581	36	1.40
9/19/2018 22:00	68.80	1683	10	0.60
9/19/2018 23:00	69.60	1146	7	0.60
9/20/2018 0:00	69.80	582	1	0.20
9/20/2018 1:00	69.20	386	7	1.80
9/20/2018 2:00	69.40	350	4	1.10
9/20/2018 3:00	69.30	479	1	0.20
9/20/2018 4:00	70.00	1396	18	1.30
9/20/2018 5:00	70.00	4690	43	0.90
9/20/2018 6:00	45.40	8977	513	5.70
9/20/2018 7:00	21.10	9155	634	6.90
9/20/2018 8:00	20.50	8602	924	10.70
9/20/2018 9:00	57.30	7443	200	2.70
9/20/2018 10:00	65.60	6498	146	2.20
9/20/2018 11:00	65.60	6539	152	2.30
9/20/2018 12:00	65.60	6512	182	2.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/20/2018 13:00	66.10	6210	134	2.20
9/20/2018 14:00	66.50	6573	161	2.40
9/20/2018 15:00	67.60	6605	126	1.90
9/20/2018 16:00	68.50	6661	102	1.50
9/20/2018 17:00	68.70	6932	121	1.70
9/20/2018 18:00	68.50	5832	116	2.00
9/20/2018 19:00	67.20	4675	84	1.80
9/20/2018 20:00	68.70	3433	53	1.50
9/20/2018 21:00	69.00	2784	35	1.30
9/20/2018 22:00	69.50	1982	14	0.70
9/20/2018 23:00	69.00	1383	10	0.70
9/21/2018 0:00	69.80	712	2	0.30
9/21/2018 1:00	69.50	474	4	0.80
9/21/2018 2:00	69.30	388	3	0.80
9/21/2018 3:00	69.20	515	5	1.00
9/21/2018 4:00	69.70	1355	10	0.70
9/21/2018 5:00	70.10	4336	36	0.80
9/21/2018 6:00	60.30	9047	187	2.10
9/21/2018 7:00	20.70	8747	555	6.30
9/21/2018 8:00	18.30	8015	278	3.50
9/21/2018 9:00	60.30	7491	159	2.10
9/21/2018 10:00	66.00	7196	176	2.40
9/21/2018 11:00	64.30	6968	207	3.00
9/21/2018 12:00	66.30	7054	158	2.20
9/21/2018 13:00	66.30	6802	166	2.40
9/21/2018 14:00	66.10	6960	183	2.60
9/21/2018 15:00	66.90	6875	130	1.90
9/21/2018 16:00	67.90	6822	110	1.60
9/21/2018 17:00	68.00	6883	113	1.60
9/21/2018 18:00	68.00	5976	115	1.90
9/21/2018 19:00	66.70	4895	97	2.00
9/21/2018 20:00	68.70	3832	54	1.40
9/21/2018 21:00	70.00	3167	38	1.20
9/21/2018 22:00	69.90	2593	35	1.30
9/21/2018 23:00	69.00	2057	26	1.30
9/22/2018 0:00	69.70	1039	1	0.10
9/22/2018 1:00	69.20	711	2	0.30
9/22/2018 2:00	69.10	587	3	0.50
9/22/2018 3:00	69.10	485	4	0.80
9/22/2018 4:00	69.30	800	4	0.50
9/22/2018 5:00	69.20	1539	14	0.90
9/22/2018 6:00	70.40	2757	31	1.10
9/22/2018 7:00	69.90	4238	55	1.30
9/22/2018 8:00	68.90	5645	69	1.20
9/22/2018 9:00	67.50	6800	95	1.40
9/22/2018 10:00	66.60	7483	114	1.50
9/22/2018 11:00	66.30	7618	148	1.90
9/22/2018 12:00	65.80	7789	139	1.80
9/22/2018 13:00	66.90	7206	111	1.50
9/22/2018 14:00	67.90	6546	97	1.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/22/2018 15:00	68.40	6412	82	1.30
9/22/2018 16:00	68.90	6172	81	1.30
9/22/2018 17:00	68.80	5769	85	1.50
9/22/2018 18:00	67.60	5409	86	1.60
9/22/2018 19:00	67.30	4318	52	1.20
9/22/2018 20:00	68.70	3385	36	1.10
9/22/2018 21:00	69.40	3217	38	1.20
9/22/2018 22:00	69.60	2667	35	1.30
9/22/2018 23:00	69.70	2008	17	0.80
9/23/2018 0:00	69.30	1276	15	1.20
9/23/2018 1:00	69.60	818	2	0.20
9/23/2018 2:00	69.80	606	1	0.20
9/23/2018 3:00	69.70	479	3	0.60
9/23/2018 4:00	69.70	666	3	0.50
9/23/2018 5:00	69.80	1078	4	0.40
9/23/2018 6:00	70.00	2031	6	0.30
9/23/2018 7:00	70.00	2862	15	0.50
9/23/2018 8:00	69.60	4217	34	0.80
9/23/2018 9:00	68.20	5697	79	1.40
9/23/2018 10:00	66.80	6670	92	1.40
9/23/2018 11:00	66.90	6816	89	1.30
9/23/2018 12:00	66.60	6815	87	1.30
9/23/2018 13:00	66.90	6250	90	1.40
9/23/2018 14:00	67.60	5710	73	1.30
9/23/2018 15:00	67.80	5689	63	1.10
9/23/2018 16:00	68.30	5452	63	1.20
9/23/2018 17:00	67.90	5001	53	1.10
9/23/2018 18:00	67.30	4415	68	1.50
9/23/2018 19:00	66.90	3627	49	1.40
9/23/2018 20:00	68.70	2828	32	1.10
9/23/2018 21:00	69.40	2111	8	0.40
9/23/2018 22:00	68.30	2747	40	1.50
9/23/2018 23:00	69.80	1171	6	0.50
9/24/2018 0:00	69.70	602	1	0.20
9/24/2018 1:00	69.50	411	3	0.70
9/24/2018 2:00	69.60	317	4	1.30
9/24/2018 3:00	69.10	466	3	0.60
9/24/2018 4:00	69.70	1322	10	0.80
9/24/2018 5:00	68.70	4520	34	0.80
9/24/2018 6:00	49.30	9078	337	3.70
9/24/2018 7:00	21.20	8892	996	11.20
9/24/2018 8:00	25.50	7922	108	1.40
9/24/2018 9:00	64.00	6771	138	2.00
9/24/2018 10:00	66.20	5944	114	1.90
9/24/2018 11:00	65.80	5807	109	1.90
9/24/2018 12:00	66.00	5912	122	2.10
9/24/2018 13:00	66.00	5769	111	1.90
9/24/2018 14:00	66.20	5989	123	2.10
9/24/2018 15:00	66.50	6220	93	1.50
9/24/2018 16:00	67.10	6191	104	1.70



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/24/2018 17:00	68.00	6077	92	1.50
9/24/2018 18:00	68.10	5191	70	1.30
9/24/2018 19:00	63.90	3793	68	1.80
9/24/2018 20:00	68.80	2863	38	1.30
9/24/2018 21:00	69.20	2269	27	1.20
9/24/2018 22:00	69.50	1449	2	0.10
9/24/2018 23:00	69.40	901	1	0.10
9/25/2018 0:00	69.90	476	3	0.60
9/25/2018 1:00	69.30	329	5	1.50
9/25/2018 2:00	69.30	266	1	0.40
9/25/2018 3:00	69.30	519	5	1.00
9/25/2018 4:00	69.10	1407	18	1.30
9/25/2018 5:00	69.90	4808	47	1.00
9/25/2018 6:00	61.20	9061	282	3.10
9/25/2018 7:00	28.90	8860	1291	14.60
9/25/2018 8:00	15.60	7727	541	7.00
9/25/2018 9:00	22.10	7293	733	10.10
9/25/2018 10:00	66.70	6125	132	2.20
9/25/2018 11:00	66.90	6058	142	2.30
9/25/2018 12:00	66.20	6113	164	2.70
9/25/2018 13:00	66.20	5949	131	2.20
9/25/2018 14:00	66.30	6254	127	2.00
9/25/2018 15:00	46.30	5672	282	5.00
9/25/2018 16:00	43.30	6358	171	2.70
9/25/2018 17:00	69.10	6693	136	2.00
9/25/2018 18:00	68.60	5469	133	2.40
9/25/2018 19:00	67.50	4384	83	1.90
9/25/2018 20:00	69.10	3102	52	1.70
9/25/2018 21:00	69.70	2634	25	0.90
9/25/2018 22:00	69.50	1627	10	0.60
9/25/2018 23:00	68.80	1326	15	1.10
9/26/2018 0:00	70.00	533	1	0.20
9/26/2018 1:00	69.10	349	3	0.90
9/26/2018 2:00	69.30	304	6	2.00
9/26/2018 3:00	69.20	497	4	0.80
9/26/2018 4:00	69.60	1385	9	0.60
9/26/2018 5:00	70.80	4643	35	0.80
9/26/2018 6:00	48.50	8349	180	2.20
9/26/2018 7:00	17.60	8102	458	5.70
9/26/2018 8:00	18.50	8175	226	2.80
9/26/2018 9:00	50.30	7587	159	2.10
9/26/2018 10:00	66.60	6408	136	2.10
9/26/2018 11:00	67.00	6270	118	1.90
9/26/2018 12:00	66.30	6357	153	2.40
9/26/2018 13:00	66.00	6165	132	2.10
9/26/2018 14:00	66.50	6159	135	2.20
9/26/2018 15:00	67.40	6478	109	1.70
9/26/2018 16:00	68.20	6462	101	1.60
9/26/2018 17:00	68.30	6851	148	2.20
9/26/2018 18:00	67.90	5868	109	1.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/26/2018 19:00	66.80	4225	64	1.50
9/26/2018 20:00	68.50	3136	40	1.30
9/26/2018 21:00	69.50	2578	28	1.10
9/26/2018 22:00	69.60	1765	10	0.60
9/26/2018 23:00	69.40	1377	19	1.40
9/27/2018 0:00	69.70	581	3	0.50
9/27/2018 1:00	69.60	351	1	0.30
9/27/2018 2:00	69.20	342	9	2.60
9/27/2018 3:00	69.00	533	4	0.80
9/27/2018 4:00	69.70	1346	11	0.80
9/27/2018 5:00	70.00	4708	53	1.10
9/27/2018 6:00	61.00	9267	241	2.60
9/27/2018 7:00	20.90	8393	433	5.20
9/27/2018 8:00	19.30	8414	287	3.40
9/27/2018 9:00	51.90	7652	258	3.40
9/27/2018 10:00	65.60	7114	182	2.60
9/27/2018 11:00	66.40	6353	121	1.90
9/27/2018 12:00	40.40	6136	575	9.40
9/27/2018 13:00	58.00	6108	277	4.50
9/27/2018 14:00	66.00	6472	163	2.50
9/27/2018 15:00	66.60	6624	112	1.70
9/27/2018 16:00	68.20	6611	110	1.70
9/27/2018 17:00	67.50	7010	192	2.70
9/27/2018 18:00	50.80	5910	229	3.90
9/27/2018 19:00	65.10	4835	109	2.30
9/27/2018 20:00	67.60	3657	69	1.90
9/27/2018 21:00	68.40	2759	45	1.60
9/27/2018 22:00	68.80	1816	17	0.90
9/27/2018 23:00	68.30	1310	5	0.40
9/28/2018 0:00	67.10	1227	20	1.60
9/28/2018 1:00	68.00	1072	5	0.50
9/28/2018 2:00	68.80	470	3	0.60
9/28/2018 3:00	68.90	552	3	0.50
9/28/2018 4:00	69.70	1404	13	0.90
9/28/2018 5:00	69.20	4307	57	1.30
9/28/2018 6:00	61.90	8956	240	2.70
9/28/2018 7:00	29.20	9123	853	9.30
9/28/2018 8:00	23.90	8058	170	2.10
9/28/2018 9:00	65.70	7380	162	2.20
9/28/2018 10:00	66.40	6972	170	2.40
9/28/2018 11:00	66.10	7122	166	2.30
9/28/2018 12:00	66.30	7014	168	2.40
9/28/2018 13:00	66.60	6730	147	2.20
9/28/2018 14:00	67.20	6965	133	1.90
9/28/2018 15:00	68.40	6774	114	1.70
9/28/2018 16:00	69.00	6840	109	1.60
9/28/2018 17:00	68.40	6874	144	2.10
9/28/2018 18:00	67.40	6161	141	2.30
9/28/2018 19:00	67.30	4815	82	1.70
9/28/2018 20:00	69.20	3725	50	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/28/2018 21:00	69.60	3003	36	1.20
9/28/2018 22:00	70.00	2536	18	0.70
9/28/2018 23:00	69.70	1634	9	0.60
9/29/2018 0:00	69.80	1103	5	0.50
9/29/2018 1:00	69.50	753	1	0.10
9/29/2018 2:00	69.50	573	4	0.70
9/29/2018 3:00	69.80	511	0	0.00
9/29/2018 4:00	69.30	747	3	0.40
9/29/2018 5:00	69.20	1519	8	0.50
9/29/2018 6:00	69.60	2786	15	0.50
9/29/2018 7:00	69.80	4079	29	0.70
9/29/2018 8:00	68.50	5701	98	1.70
9/29/2018 9:00	67.90	6526	87	1.30
9/29/2018 10:00	67.40	6953	96	1.40
9/29/2018 11:00	67.30	6877	87	1.30
9/29/2018 12:00	67.00	6950	100	1.40
9/29/2018 13:00	67.20	6758	116	1.70
9/29/2018 14:00	67.90	6422	98	1.50
9/29/2018 15:00	68.60	6021	78	1.30
9/29/2018 16:00	68.50	6081	74	1.20
9/29/2018 17:00	68.10	5875	85	1.40
9/29/2018 18:00	67.00	5534	92	1.70
9/29/2018 19:00	67.10	4359	56	1.30
9/29/2018 20:00	68.30	3857	66	1.70
9/29/2018 21:00	70.30	3109	27	0.90
9/29/2018 22:00	69.70	2626	12	0.50
9/29/2018 23:00	69.90	1668	7	0.40
9/30/2018 0:00	69.60	1138	5	0.40
9/30/2018 1:00	69.20	864	2	0.20
9/30/2018 2:00	69.50	625	0	0.00
9/30/2018 3:00	70.00	505	0	0.00
9/30/2018 4:00	70.20	614	0	0.00
9/30/2018 5:00	70.10	1184	3	0.30
9/30/2018 6:00	70.10	1876	2	0.10
9/30/2018 7:00	69.80	2580	20	0.80
9/30/2018 8:00	69.80	4071	39	1.00
9/30/2018 9:00	68.80	5337	41	0.80
9/30/2018 10:00	67.30	6183	91	1.50
9/30/2018 11:00	66.80	6386	71	1.10
9/30/2018 12:00	66.90	6316	73	1.20
9/30/2018 13:00	66.90	6071	74	1.20
9/30/2018 14:00	67.70	5560	53	1.00
9/30/2018 15:00	68.10	5528	60	1.10
9/30/2018 16:00	67.60	5273	60	1.10
9/30/2018 17:00	67.70	5186	58	1.10
9/30/2018 18:00	67.70	4303	67	1.60
9/30/2018 19:00	68.10	3305	32	1.00
9/30/2018 20:00	68.70	2734	30	1.10
9/30/2018 21:00	69.80	2034	18	0.90
9/30/2018 22:00	69.90	1572	10	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
9/30/2018 23:00	69.50	1022	1	0.10
10/01/2018 0:00	69.60	584	1	0.20
10/01/2018 1:00	69.90	337	1	0.30
10/01/2018 2:00	69.80	279	0	0.00
10/01/2018 3:00	69.40	479	1	0.20
10/01/2018 4:00	69.20	1314	10	0.80
10/01/2018 5:00	69.40	4667	48	1.00
10/01/2018 6:00	60.30	8833	126	1.40
10/01/2018 7:00	21.90	8630	289	3.30
10/01/2018 8:00	18.70	8084	679	8.40
10/01/2018 9:00	61.90	6861	137	2.00
10/01/2018 10:00	66.70	6206	145	2.30
10/01/2018 11:00	67.20	5732	122	2.10
10/01/2018 12:00	66.30	5872	138	2.40
10/01/2018 13:00	66.60	5743	136	2.40
10/01/2018 14:00	67.80	6042	123	2.00
10/01/2018 15:00	67.50	6238	140	2.20
10/01/2018 16:00	69.30	6084	91	1.50
10/01/2018 17:00	69.40	6210	116	1.90
10/01/2018 18:00	68.60	5141	77	1.50
10/01/2018 19:00	66.90	3926	57	1.50
10/01/2018 20:00	69.10	2931	41	1.40
10/01/2018 21:00	69.30	2329	29	1.20
10/01/2018 22:00	69.40	1411	11	0.80
10/01/2018 23:00	69.20	883	1	0.10
10/02/2018 0:00	69.60	485	0	0.00
10/02/2018 1:00	69.50	341	3	0.90
10/02/2018 2:00	69.30	274	8	2.90
10/02/2018 3:00	69.10	488	5	1.00
10/02/2018 4:00	69.10	1367	14	1.00
10/02/2018 5:00	70.00	4862	43	0.90
10/02/2018 6:00	50.20	9150	376	4.10
10/02/2018 7:00	21.70	9135	790	8.60
10/02/2018 8:00	22.30	8461	563	6.70
10/02/2018 9:00	64.30	7180	149	2.10
10/02/2018 10:00	66.60	6379	148	2.30
10/02/2018 11:00	66.70	6026	129	2.10
10/02/2018 12:00	67.00	5596	110	2.00
10/02/2018 13:00	66.40	5929	160	2.70
10/02/2018 14:00	67.10	6166	117	1.90
10/02/2018 15:00	66.90	6449	106	1.60
10/02/2018 16:00	68.30	6332	122	1.90
10/02/2018 17:00	68.60	6664	111	1.70
10/02/2018 18:00	68.40	5585	109	2.00
10/02/2018 19:00	67.00	4274	86	2.00
10/02/2018 20:00	68.80	3054	38	1.20
10/02/2018 21:00	68.60	2420	26	1.10
10/02/2018 22:00	66.70	1848	11	0.60
10/02/2018 23:00	68.80	985	4	0.40
10/03/2018 0:00	69.50	520	1	0.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/03/2018 1:00	69.30	369	3	0.80
10/03/2018 2:00	69.00	287	5	1.70
10/03/2018 3:00	68.90	489	6	1.20
10/03/2018 4:00	69.80	1319	6	0.50
10/03/2018 5:00	70.30	4789	30	0.60
10/03/2018 6:00	57.50	9387	142	1.50
10/03/2018 7:00	23.40	9116	1234	13.50
10/03/2018 8:00	22.30	8473	193	2.30
10/03/2018 9:00	64.60	7085	144	2.00
10/03/2018 10:00	66.10	6394	146	2.30
10/03/2018 11:00	66.90	6118	132	2.20
10/03/2018 12:00	66.20	6346	171	2.70
10/03/2018 13:00	66.20	6115	142	2.30
10/03/2018 14:00	67.30	6226	120	1.90
10/03/2018 15:00	67.20	6390	123	1.90
10/03/2018 16:00	68.30	6512	96	1.50
10/03/2018 17:00	68.30	6797	108	1.60
10/03/2018 18:00	68.50	5623	93	1.70
10/03/2018 19:00	66.90	3918	80	2.00
10/03/2018 20:00	69.00	3241	41	1.30
10/03/2018 21:00	69.70	2541	30	1.20
10/03/2018 22:00	69.10	1661	5	0.30
10/03/2018 23:00	69.80	1056	3	0.30
10/04/2018 0:00	66.30	645	15	2.30
10/04/2018 1:00	65.70	549	16	2.90
10/04/2018 2:00	65.50	455	10	2.20
10/04/2018 3:00	66.00	632	13	2.10
10/04/2018 4:00	67.20	1319	26	2.00
10/04/2018 5:00	68.50	4385	102	2.30
10/04/2018 6:00	50.20	8871	390	4.40
10/04/2018 7:00	17.80	7690	419	5.40
10/04/2018 8:00	19.30	7788	427	5.50
10/04/2018 9:00	58.90	6881	190	2.80
10/04/2018 10:00	66.10	5751	173	3.00
10/04/2018 11:00	65.90	5620	167	3.00
10/04/2018 12:00	66.20	5810	198	3.40
10/04/2018 13:00	66.50	5671	176	3.10
10/04/2018 14:00	66.80	5896	195	3.30
10/04/2018 15:00	67.90	6399	145	2.30
10/04/2018 16:00	65.10	6692	140	2.10
10/04/2018 17:00	68.60	6964	135	1.90
10/04/2018 18:00	66.80	6058	142	2.30
10/04/2018 19:00	66.60	4672	96	2.10
10/04/2018 20:00	69.60	3405	41	1.20
10/04/2018 21:00	69.30	2847	27	0.90
10/04/2018 22:00	68.50	2183	23	1.10
10/04/2018 23:00	68.70	1268	13	1.00
10/05/2018 0:00	69.60	662	6	0.90
10/05/2018 1:00	69.20	471	5	1.10
10/05/2018 2:00	69.20	372	6	1.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/05/2018 3:00	68.70	539	9	1.70
10/05/2018 4:00	69.30	1361	10	0.70
10/05/2018 5:00	69.30	4334	46	1.10
10/05/2018 6:00	53.20	9084	358	3.90
10/05/2018 7:00	20.30	8532	771	9.00
10/05/2018 8:00	34.10	8488	247	2.90
10/05/2018 9:00	66.60	7289	170	2.30
10/05/2018 10:00	66.70	6969	141	2.00
10/05/2018 11:00	65.90	6992	161	2.30
10/05/2018 12:00	66.50	6829	163	2.40
10/05/2018 13:00	67.00	6603	146	2.20
10/05/2018 14:00	65.90	6637	133	2.00
10/05/2018 15:00	67.60	6718	100	1.50
10/05/2018 16:00	68.80	6696	124	1.90
10/05/2018 17:00	68.80	6930	131	1.90
10/05/2018 18:00	68.40	6268	119	1.90
10/05/2018 19:00	67.80	4875	83	1.70
10/05/2018 20:00	69.50	3616	39	1.10
10/05/2018 21:00	69.40	3046	37	1.20
10/05/2018 22:00	69.40	2433	27	1.10
10/05/2018 23:00	68.80	2194	35	1.60
10/06/2018 0:00	69.60	1144	4	0.30
10/06/2018 1:00	69.20	755	5	0.70
10/06/2018 2:00	69.20	499	5	1.00
10/06/2018 3:00	69.40	492	1	0.20
10/06/2018 4:00	69.30	709	4	0.60
10/06/2018 5:00	69.60	1499	15	1.00
10/06/2018 6:00	69.40	2847	19	0.70
10/06/2018 7:00	69.30	4207	50	1.20
10/06/2018 8:00	68.50	5495	83	1.50
10/06/2018 9:00	67.20	6501	101	1.60
10/06/2018 10:00	67.10	6680	102	1.50
10/06/2018 11:00	67.60	6819	122	1.80
10/06/2018 12:00	67.00	6789	111	1.60
10/06/2018 13:00	66.50	6782	120	1.80
10/06/2018 14:00	67.80	6546	89	1.40
10/06/2018 15:00	68.20	6274	90	1.40
10/06/2018 16:00	68.40	6176	80	1.30
10/06/2018 17:00	69.10	5823	56	1.00
10/06/2018 18:00	68.00	5358	76	1.40
10/06/2018 19:00	67.40	4174	40	1.00
10/06/2018 20:00	69.00	3104	24	0.80
10/06/2018 21:00	69.90	2605	18	0.70
10/06/2018 22:00	69.80	2609	25	1.00
10/06/2018 23:00	70.40	1682	3	0.20
10/07/2018 0:00	70.10	1102	1	0.10
10/07/2018 1:00	69.30	739	3	0.40
10/07/2018 2:00	69.40	524	0	0.00
10/07/2018 3:00	70.10	421	1	0.20
10/07/2018 4:00	69.60	516	2	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/07/2018 5:00	70.10	1041	3	0.30
10/07/2018 6:00	69.70	1896	7	0.40
10/07/2018 7:00	69.90	2615	11	0.40
10/07/2018 8:00	69.80	3771	25	0.70
10/07/2018 9:00	68.00	5477	74	1.40
10/07/2018 10:00	67.80	6151	48	0.80
10/07/2018 11:00	67.10	6233	56	0.90
10/07/2018 12:00	67.30	6397	75	1.20
10/07/2018 13:00	67.50	6062	60	1.00
10/07/2018 14:00	67.80	5755	64	1.10
10/07/2018 15:00	68.10	5587	56	1.00
10/07/2018 16:00	68.50	5355	53	1.00
10/07/2018 17:00	68.40	4987	52	1.00
10/07/2018 18:00	67.40	4499	62	1.40
10/07/2018 19:00	67.20	3376	39	1.20
10/07/2018 20:00	68.40	2667	29	1.10
10/07/2018 21:00	69.40	2128	15	0.70
10/07/2018 22:00	69.40	1576	8	0.50
10/07/2018 23:00	69.50	939	5	0.50
10/08/2018 0:00	69.40	548	5	0.90
10/08/2018 1:00	69.30	388	4	1.00
10/08/2018 2:00	69.80	304	3	1.00
10/08/2018 3:00	69.40	475	2	0.40
10/08/2018 4:00	69.20	1254	5	0.40
10/08/2018 5:00	70.00	3940	30	0.80
10/08/2018 6:00	48.50	8333	953	11.40
10/08/2018 7:00	24.30	8438	1276	15.10
10/08/2018 8:00	60.40	7269	168	2.30
10/08/2018 9:00	65.30	7051	152	2.20
10/08/2018 10:00	66.30	6275	130	2.10
10/08/2018 11:00	66.40	6020	150	2.50
10/08/2018 12:00	66.10	6091	141	2.30
10/08/2018 13:00	65.60	5952	151	2.50
10/08/2018 14:00	67.00	6217	123	2.00
10/08/2018 15:00	67.50	6374	97	1.50
10/08/2018 16:00	68.30	6302	112	1.80
10/08/2018 17:00	68.20	6302	110	1.70
10/08/2018 18:00	66.90	5469	133	2.40
10/08/2018 19:00	66.80	3764	59	1.60
10/08/2018 20:00	68.00	2901	40	1.40
10/08/2018 21:00	68.90	2343	18	0.80
10/08/2018 22:00	70.20	1471	4	0.30
10/08/2018 23:00	69.50	879	2	0.20
10/09/2018 0:00	69.90	482	8	1.70
10/09/2018 1:00	69.10	314	6	1.90
10/09/2018 2:00	69.40	273	1	0.40
10/09/2018 3:00	68.90	465	4	0.90
10/09/2018 4:00	69.30	1354	6	0.40
10/09/2018 5:00	70.30	4883	31	0.60
10/09/2018 6:00	59.80	9595	351	3.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/09/2018 7:00	24.80	9334	476	5.10
10/09/2018 8:00	20.30	8217	433	5.30
10/09/2018 9:00	55.80	7224	277	3.80
10/09/2018 10:00	65.60	6480	150	2.30
10/09/2018 11:00	66.10	6189	133	2.10
10/09/2018 12:00	65.60	6404	177	2.80
10/09/2018 13:00	65.80	6152	155	2.50
10/09/2018 14:00	66.90	6412	135	2.10
10/09/2018 15:00	67.40	6413	93	1.50
10/09/2018 16:00	68.80	6535	87	1.30
10/09/2018 17:00	68.30	6820	137	2.00
10/09/2018 18:00	67.40	5674	117	2.10
10/09/2018 19:00	66.90	4188	80	1.90
10/09/2018 20:00	69.00	3010	32	1.10
10/09/2018 21:00	68.90	2530	29	1.10
10/09/2018 22:00	69.70	1387	4	0.30
10/09/2018 23:00	69.30	906	3	0.30
10/10/2018 0:00	69.80	520	2	0.40
10/10/2018 1:00	69.80	438	5	1.10
10/10/2018 2:00	69.40	296	2	0.70
10/10/2018 3:00	69.30	492	3	0.60
10/10/2018 4:00	69.20	1382	15	1.10
10/10/2018 5:00	69.60	4747	40	0.80
10/10/2018 6:00	62.20	9399	228	2.40
10/10/2018 7:00	26.00	8819	241	2.70
10/10/2018 8:00	20.80	8452	398	4.70
10/10/2018 9:00	43.30	7430	290	3.90
10/10/2018 10:00	66.30	6652	156	2.30
10/10/2018 11:00	66.00	6314	170	2.70
10/10/2018 12:00	65.80	6662	189	2.80
10/10/2018 13:00	65.60	6355	176	2.80
10/10/2018 14:00	66.80	6348	141	2.20
10/10/2018 15:00	67.70	6346	126	2.00
10/10/2018 16:00	68.40	6496	92	1.40
10/10/2018 17:00	69.00	6641	106	1.60
10/10/2018 18:00	67.20	5615	134	2.40
10/10/2018 19:00	67.80	4223	62	1.50
10/10/2018 20:00	69.80	3312	37	1.10
10/10/2018 21:00	70.00	2578	20	0.80
10/10/2018 22:00	69.90	1655	9	0.50
10/10/2018 23:00	69.50	1025	3	0.30
10/11/2018 0:00	69.50	613	3	0.50
10/11/2018 1:00	69.60	400	4	1.00
10/11/2018 2:00	68.90	368	9	2.40
10/11/2018 3:00	69.10	530	11	2.10
10/11/2018 4:00	69.20	1447	13	0.90
10/11/2018 5:00	70.80	4647	43	0.90
10/11/2018 6:00	61.70	9238	239	2.60
10/11/2018 7:00	25.30	9082	1339	14.70
10/11/2018 8:00	24.90	8449	175	2.10



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/11/2018 9:00	62.40	7462	225	3.00
10/11/2018 10:00	66.80	6388	134	2.10
10/11/2018 11:00	67.30	6296	155	2.50
10/11/2018 12:00	64.00	6377	242	3.80
10/11/2018 13:00	66.50	6395	149	2.30
10/11/2018 14:00	66.70	6665	168	2.50
10/11/2018 15:00	67.80	6746	115	1.70
10/11/2018 16:00	68.50	6692	129	1.90
10/11/2018 17:00	68.40	7068	163	2.30
10/11/2018 18:00	67.40	6009	126	2.10
10/11/2018 19:00	67.20	4449	98	2.20
10/11/2018 20:00	69.50	3287	41	1.20
10/11/2018 21:00	70.00	2811	28	1.00
10/11/2018 22:00	69.80	1754	12	0.70
10/11/2018 23:00	69.00	1220	10	0.80
10/12/2018 0:00	69.40	722	3	0.40
10/12/2018 1:00	68.90	466	6	1.30
10/12/2018 2:00	69.20	368	4	1.10
10/12/2018 3:00	69.60	563	2	0.40
10/12/2018 4:00	69.50	1398	16	1.10
10/12/2018 5:00	70.40	4346	38	0.90
10/12/2018 6:00	62.30	9001	215	2.40
10/12/2018 7:00	29.50	9166	708	7.70
10/12/2018 8:00	28.30	8047	513	6.40
10/12/2018 9:00	65.30	7444	198	2.70
10/12/2018 10:00	65.40	7010	190	2.70
10/12/2018 11:00	65.70	6816	195	2.90
10/12/2018 12:00	66.10	6809	191	2.80
10/12/2018 13:00	66.40	6607	171	2.60
10/12/2018 14:00	67.00	6709	155	2.30
10/12/2018 15:00	68.00	6723	118	1.80
10/12/2018 16:00	68.80	6584	121	1.80
10/12/2018 17:00	68.80	7180	107	1.50
10/12/2018 18:00	66.20	6065	111	1.80
10/12/2018 19:00	65.10	4252	79	1.90
10/12/2018 20:00	64.40	3332	61	1.80
10/12/2018 21:00	64.60	2559	41	1.60
10/12/2018 22:00	64.50	2252	23	1.00
10/12/2018 23:00	63.20	1420	12	0.80
10/13/2018 0:00	67.90	998	5	0.50
10/13/2018 1:00	68.90	664	3	0.50
10/13/2018 2:00	69.30	494	1	0.20
10/13/2018 3:00	69.60	453	0	0.00
10/13/2018 4:00	69.10	709	3	0.40
10/13/2018 5:00	69.10	1397	7	0.50
10/13/2018 6:00	69.50	2590	24	0.90
10/13/2018 7:00	70.50	3777	28	0.70
10/13/2018 8:00	68.40	5330	92	1.70
10/13/2018 9:00	68.30	6160	100	1.60
10/13/2018 10:00	67.30	6539	110	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/13/2018 11:00	67.60	6621	112	1.70
10/13/2018 12:00	67.30	6692	113	1.70
10/13/2018 13:00	66.80	6493	121	1.90
10/13/2018 14:00	68.00	6034	91	1.50
10/13/2018 15:00	68.80	6018	86	1.40
10/13/2018 16:00	68.90	5815	79	1.40
10/13/2018 17:00	69.00	5684	74	1.30
10/13/2018 18:00	67.50	5254	85	1.60
10/13/2018 19:00	66.90	4116	51	1.20
10/13/2018 20:00	68.90	3091	32	1.00
10/13/2018 21:00	69.80	2908	27	0.90
10/13/2018 22:00	70.20	2240	13	0.60
10/13/2018 23:00	69.50	1454	2	0.10
10/14/2018 0:00	69.90	930	1	0.10
10/14/2018 1:00	69.40	732	2	0.30
10/14/2018 2:00	69.80	574	0	0.00
10/14/2018 3:00	69.90	450	0	0.00
10/14/2018 4:00	69.80	545	1	0.20
10/14/2018 5:00	69.80	1062	0	0.00
10/14/2018 6:00	69.80	1874	8	0.40
10/14/2018 7:00	70.20	2360	14	0.60
10/14/2018 8:00	69.20	3950	43	1.10
10/14/2018 9:00	68.10	5304	72	1.40
10/14/2018 10:00	68.20	5905	87	1.50
10/14/2018 11:00	67.80	6134	96	1.60
10/14/2018 12:00	66.60	6626	106	1.60
10/14/2018 13:00	66.00	6538	140	2.10
10/14/2018 14:00	66.70	5054	99	2.00
10/14/2018 15:00	67.40	5734	69	1.20
10/14/2018 16:00	68.10	5331	69	1.30
10/14/2018 17:00	68.70	4967	62	1.20
10/14/2018 18:00	67.40	4401	65	1.50
10/14/2018 19:00	68.00	3456	48	1.40
10/14/2018 20:00	68.50	2530	19	0.80
10/14/2018 21:00	69.90	2051	17	0.80
10/14/2018 22:00	70.00	1458	2	0.10
10/14/2018 23:00	69.70	911	0	0.00
10/15/2018 0:00	69.40	570	2	0.40
10/15/2018 1:00	69.30	365	2	0.50
10/15/2018 2:00	69.40	307	1	0.30
10/15/2018 3:00	69.50	456	4	0.90
10/15/2018 4:00	69.80	1296	3	0.20
10/15/2018 5:00	69.40	4520	40	0.90
10/15/2018 6:00	61.30	8983	222	2.50
10/15/2018 7:00	24.50	8689	1131	13.00
10/15/2018 8:00	29.10	8569	1097	12.80
10/15/2018 9:00	63.60	6869	169	2.50
10/15/2018 10:00	65.60	6482	174	2.70
10/15/2018 11:00	66.30	5833	134	2.30
10/15/2018 12:00	65.20	6153	175	2.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/15/2018 13:00	65.70	5856	160	2.70
10/15/2018 14:00	66.50	6297	175	2.80
10/15/2018 15:00	67.70	6129	120	2.00
10/15/2018 16:00	69.20	5981	105	1.80
10/15/2018 17:00	68.80	6335	133	2.10
10/15/2018 18:00	67.40	5228	109	2.10
10/15/2018 19:00	67.20	3681	80	2.20
10/15/2018 20:00	68.60	2924	49	1.70
10/15/2018 21:00	69.10	2375	24	1.00
10/15/2018 22:00	69.70	1412	3	0.20
10/15/2018 23:00	69.20	806	7	0.90
10/16/2018 0:00	69.00	525	2	0.40
10/16/2018 1:00	69.20	308	5	1.60
10/16/2018 2:00	68.90	259	7	2.70
10/16/2018 3:00	69.00	451	6	1.30
10/16/2018 4:00	69.50	1353	7	0.50
10/16/2018 5:00	70.00	4819	36	0.70
10/16/2018 6:00	53.50	9266	540	5.80
10/16/2018 7:00	13.60	6385	333	5.20
10/16/2018 8:00	14.30	7240	382	5.30
10/16/2018 9:00	47.20	8073	333	4.10
10/16/2018 10:00	66.20	6384	160	2.50
10/16/2018 11:00	66.30	6155	128	2.10
10/16/2018 12:00	66.20	6092	145	2.40
10/16/2018 13:00	65.90	6024	148	2.50
10/16/2018 14:00	66.70	6246	145	2.30
10/16/2018 15:00	67.30	6419	111	1.70
10/16/2018 16:00	68.00	6513	100	1.50
10/16/2018 17:00	67.80	6834	156	2.30
10/16/2018 18:00	67.10	5657	116	2.10
10/16/2018 19:00	66.90	4038	76	1.90
10/16/2018 20:00	69.80	3051	31	1.00
10/16/2018 21:00	69.90	2408	27	1.10
10/16/2018 22:00	69.50	1516	11	0.70
10/16/2018 23:00	69.20	907	3	0.30
10/17/2018 0:00	69.50	542	1	0.20
10/17/2018 1:00	69.40	335	3	0.90
10/17/2018 2:00	69.20	266	3	1.10
10/17/2018 3:00	69.40	481	1	0.20
10/17/2018 4:00	69.90	1345	5	0.40
10/17/2018 5:00	69.90	4736	42	0.90
10/17/2018 6:00	62.10	9380	221	2.40
10/17/2018 7:00	22.70	8430	1119	13.30
10/17/2018 8:00	36.70	8234	272	3.30
10/17/2018 9:00	59.90	7650	307	4.00
10/17/2018 10:00	67.70	6395	140	2.20
10/17/2018 11:00	67.50	6243	143	2.30
10/17/2018 12:00	66.00	6399	155	2.40
10/17/2018 13:00	66.40	6196	155	2.50
10/17/2018 14:00	66.90	6218	149	2.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/17/2018 15:00	68.30	6383	113	1.80
10/17/2018 16:00	69.60	6469	97	1.50
10/17/2018 17:00	68.20	6749	158	2.30
10/17/2018 18:00	66.80	6148	160	2.60
10/17/2018 19:00	66.80	4420	69	1.60
10/17/2018 20:00	69.30	3262	43	1.30
10/17/2018 21:00	69.00	2486	21	0.80
10/17/2018 22:00	69.50	1569	7	0.40
10/17/2018 23:00	68.90	1077	5	0.50
10/18/2018 0:00	69.60	572	4	0.70
10/18/2018 1:00	69.40	356	2	0.60
10/18/2018 2:00	69.00	326	0	0.00
10/18/2018 3:00	69.30	498	1	0.20
10/18/2018 4:00	70.00	1321	12	0.90
10/18/2018 5:00	70.60	4633	41	0.90
10/18/2018 6:00	43.60	9120	784	8.60
10/18/2018 7:00	21.90	9075	786	8.70
10/18/2018 8:00	19.40	8131	820	10.10
10/18/2018 9:00	55.30	7389	133	1.80
10/18/2018 10:00	66.90	6528	167	2.60
10/18/2018 11:00	67.00	6439	130	2.00
10/18/2018 12:00	65.90	6440	169	2.60
10/18/2018 13:00	66.30	6323	145	2.30
10/18/2018 14:00	65.70	6170	120	1.90
10/18/2018 15:00	68.60	6584	129	2.00
10/18/2018 16:00	68.80	6624	124	1.90
10/18/2018 17:00	67.60	6858	187	2.70
10/18/2018 18:00	67.80	5617	121	2.20
10/18/2018 19:00	67.80	4502	96	2.10
10/18/2018 20:00	69.30	3313	33	1.00
10/18/2018 21:00	70.50	2715	28	1.00
10/18/2018 22:00	69.70	1808	17	0.90
10/18/2018 23:00	69.70	999	0	0.00
10/19/2018 0:00	69.70	671	2	0.30
10/19/2018 1:00	69.30	421	1	0.20
10/19/2018 2:00	69.00	377	2	0.50
10/19/2018 3:00	69.30	532	3	0.60
10/19/2018 4:00	70.10	1290	14	1.10
10/19/2018 5:00	69.80	4224	43	1.00
10/19/2018 6:00	60.60	9215	344	3.70
10/19/2018 7:00	25.20	8895	1343	15.10
10/19/2018 8:00	26.00	8138	415	5.10
10/19/2018 9:00	65.30	7377	169	2.30
10/19/2018 10:00	61.40	7195	292	4.10
10/19/2018 11:00	66.40	6844	163	2.40
10/19/2018 12:00	66.20	6883	189	2.70
10/19/2018 13:00	66.70	6596	173	2.60
10/19/2018 14:00	65.70	6481	164	2.50
10/19/2018 15:00	68.30	6369	109	1.70
10/19/2018 16:00	69.10	6599	116	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/19/2018 17:00	69.10	6750	144	2.10
10/19/2018 18:00	66.80	6119	147	2.40
10/19/2018 19:00	67.80	4458	61	1.40
10/19/2018 20:00	69.90	3561	43	1.20
10/19/2018 21:00	69.90	3102	34	1.10
10/19/2018 22:00	69.60	2361	27	1.10
10/19/2018 23:00	69.50	1593	12	0.80
10/20/2018 0:00	69.50	987	5	0.50
10/20/2018 1:00	69.50	718	3	0.40
10/20/2018 2:00	69.30	526	1	0.20
10/20/2018 3:00	69.60	460	3	0.70
10/20/2018 4:00	69.10	741	14	1.90
10/20/2018 5:00	69.30	1435	7	0.50
10/20/2018 6:00	69.00	2763	37	1.30
10/20/2018 7:00	69.60	4110	39	0.90
10/20/2018 8:00	68.50	5487	77	1.40
10/20/2018 9:00	67.50	6550	111	1.70
10/20/2018 10:00	67.70	6808	107	1.60
10/20/2018 11:00	66.80	6935	127	1.80
10/20/2018 12:00	66.30	6925	131	1.90
10/20/2018 13:00	66.80	6741	110	1.60
10/20/2018 14:00	67.70	6107	93	1.50
10/20/2018 15:00	67.40	6370	101	1.60
10/20/2018 16:00	67.60	6079	102	1.70
10/20/2018 17:00	66.90	6073	109	1.80
10/20/2018 18:00	66.00	5524	79	1.40
10/20/2018 19:00	67.60	4234	57	1.30
10/20/2018 20:00	69.40	3281	34	1.00
10/20/2018 21:00	70.50	2947	26	0.90
10/20/2018 22:00	69.50	2466	24	1.00
10/20/2018 23:00	68.70	1893	18	1.00
10/21/2018 0:00	70.10	1186	4	0.30
10/21/2018 1:00	69.50	786	0	0.00
10/21/2018 2:00	69.60	587	1	0.20
10/21/2018 3:00	69.40	487	1	0.20
10/21/2018 4:00	69.50	592	5	0.80
10/21/2018 5:00	69.80	1129	3	0.30
10/21/2018 6:00	69.60	2034	7	0.30
10/21/2018 7:00	69.30	2580	14	0.50
10/21/2018 8:00	68.90	3976	30	0.80
10/21/2018 9:00	67.40	5515	63	1.10
10/21/2018 10:00	66.70	6394	78	1.20
10/21/2018 11:00	67.10	6337	81	1.30
10/21/2018 12:00	66.60	6311	71	1.10
10/21/2018 13:00	66.60	6180	89	1.40
10/21/2018 14:00	66.80	5643	82	1.50
10/21/2018 15:00	67.20	5503	64	1.20
10/21/2018 16:00	67.40	5379	68	1.30
10/21/2018 17:00	67.30	5063	59	1.20
10/21/2018 18:00	65.80	4444	45	1.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/21/2018 19:00	66.70	3391	45	1.30
10/21/2018 20:00	67.90	2812	35	1.20
10/21/2018 21:00	69.20	2043	9	0.40
10/21/2018 22:00	69.80	1514	3	0.20
10/21/2018 23:00	69.20	978	4	0.40
10/22/2018 0:00	69.20	532	6	1.10
10/22/2018 1:00	69.30	358	1	0.30
10/22/2018 2:00	69.30	286	1	0.30
10/22/2018 3:00	69.30	470	2	0.40
10/22/2018 4:00	69.20	1286	7	0.50
10/22/2018 5:00	69.50	4534	41	0.90
10/22/2018 6:00	52.90	9028	401	4.40
10/22/2018 7:00	22.60	9074	1118	12.30
10/22/2018 8:00	46.50	8531	207	2.40
10/22/2018 9:00	65.00	6877	175	2.50
10/22/2018 10:00	66.00	6229	128	2.10
10/22/2018 11:00	65.60	5805	152	2.60
10/22/2018 12:00	66.00	5899	140	2.40
10/22/2018 13:00	65.80	5830	141	2.40
10/22/2018 14:00	65.80	5887	125	2.10
10/22/2018 15:00	67.20	6119	99	1.60
10/22/2018 16:00	68.00	6259	101	1.60
10/22/2018 17:00	68.30	6297	90	1.40
10/22/2018 18:00	66.90	5222	77	1.50
10/22/2018 19:00	66.80	3678	68	1.80
10/22/2018 20:00	68.50	2752	34	1.20
10/22/2018 21:00	70.00	2190	6	0.30
10/22/2018 22:00	69.40	1410	6	0.40
10/22/2018 23:00	69.20	855	2	0.20
10/23/2018 0:00	69.00	502	2	0.40
10/23/2018 1:00	69.30	316	4	1.30
10/23/2018 2:00	68.70	271	3	1.10
10/23/2018 3:00	69.50	468	2	0.40
10/23/2018 4:00	69.90	1378	7	0.50
10/23/2018 5:00	69.70	4729	40	0.80
10/23/2018 6:00	61.80	8867	191	2.20
10/23/2018 7:00	33.40	9218	678	7.40
10/23/2018 8:00	23.00	8562	511	6.00
10/23/2018 9:00	62.30	7254	150	2.10
10/23/2018 10:00	66.70	6403	136	2.10
10/23/2018 11:00	66.30	6151	159	2.60
10/23/2018 12:00	66.20	6137	170	2.80
10/23/2018 13:00	66.60	5943	158	2.70
10/23/2018 14:00	67.70	6160	141	2.30
10/23/2018 15:00	68.00	6541	124	1.90
10/23/2018 16:00	69.00	6461	95	1.50
10/23/2018 17:00	68.20	6744	139	2.10
10/23/2018 18:00	67.80	5561	122	2.20
10/23/2018 19:00	67.50	4145	77	1.90
10/23/2018 20:00	69.60	3016	43	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/23/2018 21:00	69.10	2455	20	0.80
10/23/2018 22:00	69.60	1514	4	0.30
10/23/2018 23:00	69.40	884	6	0.70
10/24/2018 0:00	69.30	517	3	0.60
10/24/2018 1:00	69.10	320	6	1.90
10/24/2018 2:00	69.40	313	1	0.30
10/24/2018 3:00	69.10	460	2	0.40
10/24/2018 4:00	69.70	1364	6	0.40
10/24/2018 5:00	70.10	4746	33	0.70
10/24/2018 6:00	45.30	8888	271	3.00
10/24/2018 7:00	17.20	7918	295	3.70
10/24/2018 8:00	19.10	8345	159	1.90
10/24/2018 9:00	44.70	7513	173	2.30
10/24/2018 10:00	66.40	6445	156	2.40
10/24/2018 11:00	66.80	6228	166	2.70
10/24/2018 12:00	66.20	6566	188	2.90
10/24/2018 13:00	66.00	6233	173	2.80
10/24/2018 14:00	66.90	6357	157	2.50
10/24/2018 15:00	68.00	6482	121	1.90
10/24/2018 16:00	69.10	6558	124	1.90
10/24/2018 17:00	68.00	6746	164	2.40
10/24/2018 18:00	67.00	5933	117	2.00
10/24/2018 19:00	66.50	4275	94	2.20
10/24/2018 20:00	69.00	3290	34	1.00
10/24/2018 21:00	69.40	2462	17	0.70
10/24/2018 22:00	69.90	1612	12	0.70
10/24/2018 23:00	69.40	932	6	0.60
10/25/2018 0:00	69.30	498	3	0.60
10/25/2018 1:00	69.30	364	4	1.10
10/25/2018 2:00	68.80	317	3	0.90
10/25/2018 3:00	69.00	505	4	0.80
10/25/2018 4:00	69.70	1360	13	1.00
10/25/2018 5:00	70.30	4648	40	0.90
10/25/2018 6:00	58.60	9085	348	3.80
10/25/2018 7:00	23.10	9028	785	8.70
10/25/2018 8:00	33.10	8921	655	7.30
10/25/2018 9:00	62.30	7578	198	2.60
10/25/2018 10:00	66.10	6528	169	2.60
10/25/2018 11:00	65.90	6322	177	2.80
10/25/2018 12:00	66.10	6505	164	2.50
10/25/2018 13:00	53.10	6263	527	8.40
10/25/2018 14:00	65.90	6296	147	2.30
10/25/2018 15:00	67.40	6528	117	1.80
10/25/2018 16:00	68.20	6764	122	1.80
10/25/2018 17:00	66.20	7120	184	2.60
10/25/2018 18:00	66.40	6098	113	1.90
10/25/2018 19:00	66.70	4505	87	1.90
10/25/2018 20:00	68.70	3335	51	1.50
10/25/2018 21:00	69.30	2818	41	1.50
10/25/2018 22:00	69.20	2042	28	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/25/2018 23:00	69.30	1241	9	0.70
10/26/2018 0:00	69.00	670	7	1.00
10/26/2018 1:00	69.40	455	5	1.10
10/26/2018 2:00	69.00	392	7	1.80
10/26/2018 3:00	68.60	497	4	0.80
10/26/2018 4:00	69.40	1310	11	0.80
10/26/2018 5:00	70.00	4339	40	0.90
10/26/2018 6:00	33.70	8012	679	8.50
10/26/2018 7:00	19.10	8569	568	6.60
10/26/2018 8:00	20.70	8486	586	6.90
10/26/2018 9:00	62.00	7342	208	2.80
10/26/2018 10:00	65.70	7012	183	2.60
10/26/2018 11:00	63.80	6972	212	3.00
10/26/2018 12:00	65.50	6790	181	2.70
10/26/2018 13:00	65.60	6661	157	2.40
10/26/2018 14:00	66.50	6717	155	2.30
10/26/2018 15:00	68.30	6581	141	2.10
10/26/2018 16:00	68.50	6766	130	1.90
10/26/2018 17:00	66.70	7083	160	2.30
10/26/2018 18:00	66.10	6032	108	1.80
10/26/2018 19:00	67.50	4783	69	1.40
10/26/2018 20:00	69.30	3485	52	1.50
10/26/2018 21:00	69.70	3107	36	1.20
10/26/2018 22:00	69.40	2890	45	1.60
10/26/2018 23:00	70.10	1726	10	0.60
10/27/2018 0:00	69.70	1137	1	0.10
10/27/2018 1:00	69.10	836	6	0.70
10/27/2018 2:00	69.30	681	0	0.00
10/27/2018 3:00	69.40	502	0	0.00
10/27/2018 4:00	69.10	741	6	0.80
10/27/2018 5:00	69.10	1368	6	0.40
10/27/2018 6:00	68.50	2739	19	0.70
10/27/2018 7:00	68.50	4213	56	1.30
10/27/2018 8:00	67.70	5820	106	1.80
10/27/2018 9:00	67.40	6566	98	1.50
10/27/2018 10:00	67.00	6607	98	1.50
10/27/2018 11:00	66.40	7102	125	1.80
10/27/2018 12:00	66.10	7176	133	1.90
10/27/2018 13:00	66.00	6735	119	1.80
10/27/2018 14:00	66.10	6598	117	1.80
10/27/2018 15:00	66.80	6113	104	1.70
10/27/2018 16:00	67.40	6138	80	1.30
10/27/2018 17:00	66.70	5945	113	1.90
10/27/2018 18:00	65.50	5701	85	1.50
10/27/2018 19:00	66.10	4443	75	1.70
10/27/2018 20:00	66.90	3933	91	2.30
10/27/2018 21:00	66.60	3620	90	2.50
10/27/2018 22:00	68.80	2650	38	1.40
10/27/2018 23:00	69.70	1934	7	0.40
10/28/2018 0:00	69.50	1376	3	0.20



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/28/2018 1:00	69.00	1083	4	0.40
10/28/2018 2:00	69.50	782	1	0.10
10/28/2018 3:00	69.60	611	0	0.00
10/28/2018 4:00	69.50	591	3	0.50
10/28/2018 5:00	69.70	992	4	0.40
10/28/2018 6:00	69.00	1780	9	0.50
10/28/2018 7:00	69.80	2532	6	0.20
10/28/2018 8:00	69.50	3671	13	0.40
10/28/2018 9:00	68.10	5167	65	1.30
10/28/2018 10:00	67.40	5904	73	1.20
10/28/2018 11:00	67.40	6104	51	0.80
10/28/2018 12:00	66.70	6412	76	1.20
10/28/2018 13:00	66.80	6069	91	1.50
10/28/2018 14:00	67.10	5486	48	0.90
10/28/2018 15:00	67.10	5508	87	1.60
10/28/2018 16:00	67.90	5145	63	1.20
10/28/2018 17:00	67.40	4961	51	1.00
10/28/2018 18:00	65.90	4433	55	1.20
10/28/2018 19:00	67.90	3329	46	1.40
10/28/2018 20:00	68.70	2698	20	0.70
10/28/2018 21:00	69.90	1965	9	0.50
10/28/2018 22:00	69.90	1518	2	0.10
10/28/2018 23:00	69.90	995	5	0.50
10/29/2018 0:00	69.70	639	3	0.50
10/29/2018 1:00	69.60	348	2	0.60
10/29/2018 2:00	69.90	304	1	0.30
10/29/2018 3:00	69.50	435	4	0.90
10/29/2018 4:00	69.70	1304	9	0.70
10/29/2018 5:00	69.50	4565	47	1.00
10/29/2018 6:00	34.90	8527	444	5.20
10/29/2018 7:00	27.30	8907	869	9.80
10/29/2018 8:00	20.20	8446	933	11.00
10/29/2018 9:00	57.00	7076	247	3.50
10/29/2018 10:00	66.00	6238	149	2.40
10/29/2018 11:00	66.60	5842	141	2.40
10/29/2018 12:00	66.60	5900	159	2.70
10/29/2018 13:00	66.60	5834	117	2.00
10/29/2018 14:00	66.50	6111	147	2.40
10/29/2018 15:00	67.70	6429	119	1.90
10/29/2018 16:00	68.50	6226	107	1.70
10/29/2018 17:00	68.40	6282	102	1.60
10/29/2018 18:00	66.80	5274	94	1.80
10/29/2018 19:00	67.80	3722	57	1.50
10/29/2018 20:00	68.40	2874	47	1.60
10/29/2018 21:00	68.80	2264	23	1.00
10/29/2018 22:00	69.40	1448	1	0.10
10/29/2018 23:00	69.30	869	3	0.30
10/30/2018 0:00	69.20	489	2	0.40
10/30/2018 1:00	69.40	295	6	2.00
10/30/2018 2:00	69.20	280	1	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
10/30/2018 3:00	69.30	460	2	0.40
10/30/2018 4:00	68.60	1414	16	1.10
10/30/2018 5:00	69.40	4821	46	1.00
10/30/2018 6:00	38.60	9067	488	5.40
10/30/2018 7:00	16.00	6520	604	9.30
10/30/2018 8:00	17.30	7229	390	5.40
10/30/2018 9:00	50.70	7890	202	2.60
10/30/2018 10:00	66.40	6391	161	2.50
10/30/2018 11:00	66.70	6125	147	2.40
10/30/2018 12:00	67.10	6154	154	2.50
10/30/2018 13:00	66.80	6037	156	2.60
10/30/2018 14:00	67.00	6301	131	2.10
10/30/2018 15:00	67.70	6541	140	2.10
10/30/2018 16:00	68.70	6459	111	1.70
10/30/2018 17:00	66.80	6832	154	2.30
10/30/2018 18:00	67.30	5782	126	2.20
10/30/2018 19:00	67.90	4236	94	2.20
10/30/2018 20:00	69.50	3066	48	1.60
10/30/2018 21:00	69.70	2688	29	1.10
10/30/2018 22:00	69.60	1568	8	0.50
10/30/2018 23:00	69.70	939	1	0.10
10/31/2018 0:00	69.70	527	5	0.90
10/31/2018 1:00	69.60	368	0	0.00
10/31/2018 2:00	69.30	318	6	1.90
10/31/2018 3:00	69.30	520	4	0.80
10/31/2018 4:00	68.90	1364	15	1.10
10/31/2018 5:00	69.80	4642	45	1.00
10/31/2018 6:00	43.90	8888	565	6.40
10/31/2018 7:00	19.20	8460	802	9.50
10/31/2018 8:00	18.30	8348	713	8.50
10/31/2018 9:00	42.50	7407	202	2.70
10/31/2018 10:00	67.00	6264	154	2.50
10/31/2018 11:00	67.10	5984	151	2.50
10/31/2018 12:00	66.10	6244	178	2.90
10/31/2018 13:00	66.20	5979	159	2.70
10/31/2018 14:00	68.10	5914	130	2.20
10/31/2018 15:00	68.50	6177	110	1.80
10/31/2018 16:00	69.20	6198	127	2.00
10/31/2018 17:00	67.70	6545	160	2.40
10/31/2018 18:00	67.50	5311	128	2.40
10/31/2018 19:00	68.50	3934	60	1.50
10/31/2018 20:00	68.70	3829	60	1.60
10/31/2018 21:00	69.90	3124	35	1.10
10/31/2018 22:00	69.70	2154	20	0.90
10/31/2018 23:00	69.60	1298	5	0.40
11/01/2018 0:00	69.40	867	6	0.70
11/01/2018 1:00	69.20	587	2	0.30
11/01/2018 2:00	69.10	467	1	0.20
11/01/2018 3:00	69.30	562	2	0.40
11/01/2018 4:00	69.50	1446	13	0.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/01/2018 5:00	69.60	4854	35	0.70
11/01/2018 6:00	52.60	9449	271	2.90
11/01/2018 7:00	21.30	8951	676	7.60
11/01/2018 8:00	24.50	8458	1374	16.20
11/01/2018 9:00	48.40	7698	233	3.00
11/01/2018 10:00	65.60	6464	181	2.80
11/01/2018 11:00	65.50	6382	168	2.60
11/01/2018 12:00	65.70	6359	176	2.80
11/01/2018 13:00	65.60	6117	173	2.80
11/01/2018 14:00	66.60	6436	141	2.20
11/01/2018 15:00	67.40	6399	125	2.00
11/01/2018 16:00	68.10	6510	109	1.70
11/01/2018 17:00	67.70	6751	130	1.90
11/01/2018 18:00	67.10	5562	105	1.90
11/01/2018 19:00	67.40	4103	70	1.70
11/01/2018 20:00	68.30	3089	43	1.40
11/01/2018 21:00	68.90	3245	54	1.70
11/01/2018 22:00	69.40	1816	11	0.60
11/01/2018 23:00	69.30	1062	5	0.50
11/02/2018 0:00	69.50	592	1	0.20
11/02/2018 1:00	69.40	402	3	0.70
11/02/2018 2:00	69.20	332	4	1.20
11/02/2018 3:00	69.30	441	2	0.50
11/02/2018 4:00	69.60	1388	12	0.90
11/02/2018 5:00	69.20	4401	46	1.00
11/02/2018 6:00	49.70	9032	289	3.20
11/02/2018 7:00	25.80	9142	752	8.20
11/02/2018 8:00	36.80	8383	648	7.70
11/02/2018 9:00	65.30	7307	206	2.80
11/02/2018 10:00	66.20	7102	180	2.50
11/02/2018 11:00	65.70	6984	190	2.70
11/02/2018 12:00	66.40	6968	170	2.40
11/02/2018 13:00	66.80	6704	183	2.70
11/02/2018 14:00	67.50	6768	181	2.70
11/02/2018 15:00	68.30	6494	119	1.80
11/02/2018 16:00	68.60	6513	91	1.40
11/02/2018 17:00	66.80	6844	165	2.40
11/02/2018 18:00	67.20	5986	92	1.50
11/02/2018 19:00	68.20	4531	93	2.10
11/02/2018 20:00	69.00	3496	40	1.10
11/02/2018 21:00	70.50	2911	38	1.30
11/02/2018 22:00	70.50	2187	17	0.80
11/02/2018 23:00	69.70	1553	9	0.60
11/03/2018 0:00	69.70	985	4	0.40
11/03/2018 1:00	69.40	696	1	0.10
11/03/2018 2:00	69.40	541	5	0.90
11/03/2018 3:00	69.50	468	3	0.60
11/03/2018 4:00	69.80	694	1	0.10
11/03/2018 5:00	69.30	1416	10	0.70
11/03/2018 6:00	69.50	2696	24	0.90

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/03/2018 7:00	69.50	4042	50	1.20
11/03/2018 8:00	68.60	5625	84	1.50
11/03/2018 9:00	67.50	6584	103	1.60
11/03/2018 10:00	66.70	6886	108	1.60
11/03/2018 11:00	67.10	6843	126	1.80
11/03/2018 12:00	66.80	7044	136	1.90
11/03/2018 13:00	66.90	6917	109	1.60
11/03/2018 14:00	68.00	6343	79	1.20
11/03/2018 15:00	68.00	6152	86	1.40
11/03/2018 16:00	68.00	6073	70	1.20
11/03/2018 17:00	67.20	6025	77	1.30
11/03/2018 18:00	65.70	5700	95	1.70
11/03/2018 19:00	66.80	4131	48	1.20
11/03/2018 20:00	69.20	3286	35	1.10
11/03/2018 21:00	69.80	2867	33	1.20
11/03/2018 22:00	68.90	3273	46	1.40
11/03/2018 23:00	69.40	1928	12	0.60
11/04/2018 0:00	69.60	1018	5	0.50
11/04/2018 1:00	69.70	512	1	0.20
11/04/2018 2:00	69.50	353	0	0.00
11/04/2018 3:00	69.50	369	1	0.30
11/04/2018 4:00	69.90	544	2	0.40
11/04/2018 5:00	69.30	1322	3	0.20
11/04/2018 6:00	70.30	2386	8	0.30
11/04/2018 7:00	69.70	3047	19	0.60
11/04/2018 8:00	68.60	4469	36	0.80
11/04/2018 9:00	67.10	6053	84	1.40
11/04/2018 10:00	66.40	6643	79	1.20
11/04/2018 11:00	66.70	6485	88	1.40
11/04/2018 12:00	66.90	6628	84	1.30
11/04/2018 13:00	66.80	6101	96	1.60
11/04/2018 14:00	67.50	5647	69	1.20
11/04/2018 15:00	67.60	5421	68	1.30
11/04/2018 16:00	67.00	5243	61	1.20
11/04/2018 17:00	64.60	4902	74	1.50
11/04/2018 18:00	65.10	3807	38	1.00
11/04/2018 19:00	66.90	3046	35	1.10
11/04/2018 20:00	68.90	2323	20	0.90
11/04/2018 21:00	69.70	1908	12	0.60
11/04/2018 22:00	70.00	1258	2	0.20
11/04/2018 23:00	69.70	814	3	0.40
11/05/2018 0:00	69.70	525	2	0.40
11/05/2018 1:00	69.20	336	4	1.20
11/05/2018 2:00	69.30	264	3	1.10
11/05/2018 3:00	69.20	501	7	1.40
11/05/2018 4:00	69.80	1421	9	0.60
11/05/2018 5:00	69.50	4924	61	1.20
11/05/2018 6:00	47.10	9150	313	3.40
11/05/2018 7:00	19.10	8446	810	9.60
11/05/2018 8:00	22.20	8307	1003	12.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/05/2018 9:00	61.60	6938	167	2.40
11/05/2018 10:00	66.10	6383	129	2.00
11/05/2018 11:00	66.90	6019	134	2.20
11/05/2018 12:00	66.70	5948	162	2.70
11/05/2018 13:00	67.30	5893	121	2.10
11/05/2018 14:00	67.20	5949	114	1.90
11/05/2018 15:00	67.50	6171	122	2.00
11/05/2018 16:00	67.90	6329	106	1.70
11/05/2018 17:00	66.60	6392	109	1.70
11/05/2018 18:00	66.00	5098	99	1.90
11/05/2018 19:00	67.30	3447	59	1.70
11/05/2018 20:00	69.10	2715	26	1.00
11/05/2018 21:00	69.60	2044	17	0.80
11/05/2018 22:00	69.40	1312	6	0.50
11/05/2018 23:00	69.30	827	4	0.50
11/06/2018 0:00	69.70	546	2	0.40
11/06/2018 1:00	69.40	348	7	2.00
11/06/2018 2:00	69.20	293	3	1.00
11/06/2018 3:00	68.90	504	9	1.80
11/06/2018 4:00	69.50	1443	8	0.60
11/06/2018 5:00	70.20	5186	60	1.20
11/06/2018 6:00	41.80	9443	848	9.00
11/06/2018 7:00	23.00	9390	601	6.40
11/06/2018 8:00	23.10	8509	725	8.50
11/06/2018 9:00	62.40	7250	171	2.40
11/06/2018 10:00	67.60	6539	137	2.10
11/06/2018 11:00	67.00	6160	150	2.40
11/06/2018 12:00	67.20	6140	154	2.50
11/06/2018 13:00	67.00	5869	129	2.20
11/06/2018 14:00	67.00	6336	143	2.30
11/06/2018 15:00	68.20	6440	123	1.90
11/06/2018 16:00	68.20	6586	93	1.40
11/06/2018 17:00	66.00	6752	142	2.10
11/06/2018 18:00	66.80	5036	95	1.90
11/06/2018 19:00	68.00	3758	84	2.20
11/06/2018 20:00	69.20	2865	34	1.20
11/06/2018 21:00	68.90	3057	41	1.30
11/06/2018 22:00	69.30	1380	4	0.30
11/06/2018 23:00	69.60	963	4	0.40
11/07/2018 0:00	69.70	542	5	0.90
11/07/2018 1:00	69.50	347	8	2.30
11/07/2018 2:00	69.20	289	3	1.00
11/07/2018 3:00	69.10	532	7	1.30
11/07/2018 4:00	69.00	1554	20	1.30
11/07/2018 5:00	70.50	4735	31	0.70
11/07/2018 6:00	50.30	9596	266	2.80
11/07/2018 7:00	20.70	8739	730	8.40
11/07/2018 8:00	18.00	8104	753	9.30
11/07/2018 9:00	57.40	7317	178	2.40
11/07/2018 10:00	67.20	6516	152	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/07/2018 11:00	67.30	6240	152	2.40
11/07/2018 12:00	66.70	6338	158	2.50
11/07/2018 13:00	66.40	6234	183	2.90
11/07/2018 14:00	67.50	6253	142	2.30
11/07/2018 15:00	67.90	6356	121	1.90
11/07/2018 16:00	67.50	6560	137	2.10
11/07/2018 17:00	65.50	6773	126	1.90
11/07/2018 18:00	66.40	5200	118	2.30
11/07/2018 19:00	68.10	3764	64	1.70
11/07/2018 20:00	69.20	2984	37	1.20
11/07/2018 21:00	70.40	2368	12	0.50
11/07/2018 22:00	70.20	1597	5	0.30
11/07/2018 23:00	69.50	966	4	0.40
11/08/2018 0:00	69.80	570	1	0.20
11/08/2018 1:00	69.50	359	0	0.00
11/08/2018 2:00	69.00	364	6	1.60
11/08/2018 3:00	69.70	544	4	0.70
11/08/2018 4:00	69.30	1545	15	1.00
11/08/2018 5:00	69.70	4875	53	1.10
11/08/2018 6:00	50.10	9956	253	2.50
11/08/2018 7:00	21.20	8891	826	9.30
11/08/2018 8:00	41.00	8788	443	5.00
11/08/2018 9:00	65.40	7536	180	2.40
11/08/2018 10:00	66.50	6466	157	2.40
11/08/2018 11:00	66.20	6443	153	2.40
11/08/2018 12:00	66.00	6397	169	2.60
11/08/2018 13:00	65.90	6080	125	2.10
11/08/2018 14:00	66.20	6438	151	2.30
11/08/2018 15:00	67.70	6681	120	1.80
11/08/2018 16:00	67.30	6691	116	1.70
11/08/2018 17:00	64.70	7060	158	2.20
11/08/2018 18:00	66.00	5429	110	2.00
11/08/2018 19:00	67.40	4129	80	1.90
11/08/2018 20:00	68.80	3305	50	1.50
11/08/2018 21:00	69.20	2563	30	1.20
11/08/2018 22:00	70.30	1758	7	0.40
11/08/2018 23:00	69.10	1603	8	0.50
11/09/2018 0:00	69.40	696	3	0.40
11/09/2018 1:00	69.50	435	5	1.10
11/09/2018 2:00	69.50	330	4	1.20
11/09/2018 3:00	69.20	527	4	0.80
11/09/2018 4:00	69.40	1364	14	1.00
11/09/2018 5:00	70.40	4452	45	1.00
11/09/2018 6:00	54.70	9311	337	3.60
11/09/2018 7:00	28.80	9110	953	10.50
11/09/2018 8:00	33.40	8222	342	4.20
11/09/2018 9:00	65.50	7585	211	2.80
11/09/2018 10:00	65.60	7222	194	2.70
11/09/2018 11:00	66.10	6866	163	2.40
11/09/2018 12:00	66.20	6765	184	2.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/09/2018 13:00	65.50	6790	205	3.00
11/09/2018 14:00	66.40	6872	161	2.30
11/09/2018 15:00	67.90	6660	143	2.10
11/09/2018 16:00	67.00	6897	156	2.30
11/09/2018 17:00	65.50	6823	129	1.90
11/09/2018 18:00	65.40	6178	117	1.90
11/09/2018 19:00	68.20	4189	68	1.60
11/09/2018 20:00	69.60	3171	37	1.20
11/09/2018 21:00	69.60	2784	35	1.30
11/09/2018 22:00	69.90	2248	22	1.00
11/09/2018 23:00	70.20	1551	1	0.10
11/10/2018 0:00	69.50	900	4	0.40
11/10/2018 1:00	69.50	656	2	0.30
11/10/2018 2:00	69.50	504	4	0.80
11/10/2018 3:00	69.50	448	3	0.70
11/10/2018 4:00	69.20	737	4	0.50
11/10/2018 5:00	68.90	1409	14	1.00
11/10/2018 6:00	71.10	2977	9	0.30
11/10/2018 7:00	69.70	4213	52	1.20
11/10/2018 8:00	68.20	5442	96	1.80
11/10/2018 9:00	67.60	6790	115	1.70
11/10/2018 10:00	66.70	7072	120	1.70
11/10/2018 11:00	67.10	7082	130	1.80
11/10/2018 12:00	66.60	7010	120	1.70
11/10/2018 13:00	67.00	6758	109	1.60
11/10/2018 14:00	67.40	6237	93	1.50
11/10/2018 15:00	67.10	6281	114	1.80
11/10/2018 16:00	44.80	4843	138	2.80
11/10/2018 17:00	30.00	4100	74	1.80
11/10/2018 18:00	66.30	5096	92	1.80
11/10/2018 19:00	67.20	3805	53	1.40
11/10/2018 20:00	69.90	3021	25	0.80
11/10/2018 21:00	69.60	2668	25	0.90
11/10/2018 22:00	69.80	2357	29	1.20
11/10/2018 23:00	69.10	1886	15	0.80
11/11/2018 0:00	69.70	1039	0	0.00
11/11/2018 1:00	69.80	669	1	0.10
11/11/2018 2:00	69.40	527	1	0.20
11/11/2018 3:00	70.00	395	0	0.00
11/11/2018 4:00	69.90	562	0	0.00
11/11/2018 5:00	69.40	1079	5	0.50
11/11/2018 6:00	69.80	2006	9	0.40
11/11/2018 7:00	69.90	2663	12	0.50
11/11/2018 8:00	69.10	3832	24	0.60
11/11/2018 9:00	67.90	5476	71	1.30
11/11/2018 10:00	67.50	6342	74	1.20
11/11/2018 11:00	67.20	6325	82	1.30
11/11/2018 12:00	66.70	6352	108	1.70
11/11/2018 13:00	66.60	6146	107	1.70
11/11/2018 14:00	67.20	5694	74	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/11/2018 15:00	67.40	5555	75	1.40
11/11/2018 16:00	68.00	5431	77	1.40
11/11/2018 17:00	65.90	5056	56	1.10
11/11/2018 18:00	66.80	3931	55	1.40
11/11/2018 19:00	69.20	3218	36	1.10
11/11/2018 20:00	69.60	2573	25	1.00
11/11/2018 21:00	69.60	2034	16	0.80
11/11/2018 22:00	69.30	1834	10	0.50
11/11/2018 23:00	69.50	1034	2	0.20
11/12/2018 0:00	69.60	561	0	0.00
11/12/2018 1:00	69.10	400	2	0.50
11/12/2018 2:00	69.10	349	0	0.00
11/12/2018 3:00	69.20	431	3	0.70
11/12/2018 4:00	68.40	1043	6	0.60
11/12/2018 5:00	70.50	3153	33	1.00
11/12/2018 6:00	67.20	6265	131	2.10
11/12/2018 7:00	67.00	6547	91	1.40
11/12/2018 8:00	67.10	6277	102	1.60
11/12/2018 9:00	67.20	6591	123	1.90
11/12/2018 10:00	67.60	6669	96	1.40
11/12/2018 11:00	67.50	6590	135	2.00
11/12/2018 12:00	67.20	6362	144	2.30
11/12/2018 13:00	68.30	6269	120	1.90
11/12/2018 14:00	68.20	5713	87	1.50
11/12/2018 15:00	67.80	5715	108	1.90
11/12/2018 16:00	68.00	5875	83	1.40
11/12/2018 17:00	66.70	5704	91	1.60
11/12/2018 18:00	66.90	4459	76	1.70
11/12/2018 19:00	68.30	3220	48	1.50
11/12/2018 20:00	69.60	2470	21	0.90
11/12/2018 21:00	69.60	1947	21	1.10
11/12/2018 22:00	69.70	1353	3	0.20
11/12/2018 23:00	69.20	811	2	0.20
11/13/2018 0:00	69.60	498	2	0.40
11/13/2018 1:00	69.00	321	5	1.60
11/13/2018 2:00	68.70	283	4	1.40
11/13/2018 3:00	69.20	461	1	0.20
11/13/2018 4:00	69.80	1454	7	0.50
11/13/2018 5:00	70.40	4976	38	0.80
11/13/2018 6:00	44.60	9552	358	3.70
11/13/2018 7:00	30.50	8993	862	9.60
11/13/2018 8:00	29.30	8255	400	4.80
11/13/2018 9:00	33.90	7575	274	3.60
11/13/2018 10:00	67.30	6444	138	2.10
11/13/2018 11:00	67.80	6138	124	2.00
11/13/2018 12:00	66.70	6272	160	2.60
11/13/2018 13:00	66.60	6023	145	2.40
11/13/2018 14:00	67.50	6132	130	2.10
11/13/2018 15:00	67.60	6526	116	1.80
11/13/2018 16:00	68.10	6445	95	1.50



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/13/2018 17:00	61.70	6998	212	3.00
11/13/2018 18:00	66.20	5387	104	1.90
11/13/2018 19:00	67.90	3769	81	2.10
11/13/2018 20:00	69.50	2728	42	1.50
11/13/2018 21:00	69.20	2298	23	1.00
11/13/2018 22:00	69.20	1457	9	0.60
11/13/2018 23:00	69.20	817	2	0.20
11/14/2018 0:00	69.20	454	4	0.90
11/14/2018 1:00	69.20	306	3	1.00
11/14/2018 2:00	69.20	289	2	0.70
11/14/2018 3:00	69.20	519	1	0.20
11/14/2018 4:00	69.00	1419	9	0.60
11/14/2018 5:00	70.20	4786	33	0.70
11/14/2018 6:00	48.60	9493	239	2.50
11/14/2018 7:00	22.30	8905	1209	13.60
11/14/2018 8:00	20.80	8453	292	3.50
11/14/2018 9:00	55.70	7390	158	2.10
11/14/2018 10:00	66.10	6518	151	2.30
11/14/2018 11:00	66.40	6123	147	2.40
11/14/2018 12:00	65.70	6515	162	2.50
11/14/2018 13:00	65.80	6333	149	2.40
11/14/2018 14:00	66.60	6149	139	2.30
11/14/2018 15:00	68.00	6383	117	1.80
11/14/2018 16:00	66.20	6377	128	2.00
11/14/2018 17:00	64.10	6854	159	2.30
11/14/2018 18:00	66.00	5432	84	1.50
11/14/2018 19:00	67.90	3930	64	1.60
11/14/2018 20:00	69.10	3191	49	1.50
11/14/2018 21:00	68.30	3057	38	1.20
11/14/2018 22:00	69.50	1687	6	0.40
11/14/2018 23:00	69.30	922	7	0.80
11/15/2018 0:00	69.60	546	0	0.00
11/15/2018 1:00	69.20	320	4	1.30
11/15/2018 2:00	69.00	297	4	1.30
11/15/2018 3:00	69.30	489	1	0.20
11/15/2018 4:00	69.20	1430	10	0.70
11/15/2018 5:00	69.80	4815	37	0.80
11/15/2018 6:00	51.20	9729	225	2.30
11/15/2018 7:00	20.10	8528	636	7.50
11/15/2018 8:00	17.60	7966	382	4.80
11/15/2018 9:00	53.60	7767	140	1.80
11/15/2018 10:00	66.20	6557	163	2.50
11/15/2018 11:00	65.60	6352	155	2.40
11/15/2018 12:00	66.50	6462	149	2.30
11/15/2018 13:00	66.60	6099	135	2.20
11/15/2018 14:00	66.10	6601	158	2.40
11/15/2018 15:00	67.40	6783	131	1.90
11/15/2018 16:00	67.00	6561	94	1.40
11/15/2018 17:00	65.20	6759	174	2.60
11/15/2018 18:00	66.10	5471	122	2.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/15/2018 19:00	67.50	4156	75	1.80
11/15/2018 20:00	69.60	3075	33	1.10
11/15/2018 21:00	70.00	2552	31	1.20
11/15/2018 22:00	69.30	1769	12	0.70
11/15/2018 23:00	69.50	1156	7	0.60
11/16/2018 0:00	69.70	638	4	0.60
11/16/2018 1:00	69.30	436	2	0.50
11/16/2018 2:00	69.60	346	4	1.20
11/16/2018 3:00	69.10	533	6	1.10
11/16/2018 4:00	69.60	1434	18	1.30
11/16/2018 5:00	70.60	4460	40	0.90
11/16/2018 6:00	52.80	9233	267	2.90
11/16/2018 7:00	24.80	8905	983	11.00
11/16/2018 8:00	23.90	8460	474	5.60
11/16/2018 9:00	62.40	7372	159	2.20
11/16/2018 10:00	66.30	6900	152	2.20
11/16/2018 11:00	66.30	6913	173	2.50
11/16/2018 12:00	66.00	6955	172	2.50
11/16/2018 13:00	66.20	6773	167	2.50
11/16/2018 14:00	66.20	6740	144	2.10
11/16/2018 15:00	66.90	6852	120	1.80
11/16/2018 16:00	66.70	7052	122	1.70
11/16/2018 17:00	30.00	6179	265	4.30
11/16/2018 18:00	26.60	5965	347	5.80
11/16/2018 19:00	67.10	4185	72	1.70
11/16/2018 20:00	69.00	3261	48	1.50
11/16/2018 21:00	69.90	2652	27	1.00
11/16/2018 22:00	69.80	2231	14	0.60
11/16/2018 23:00	69.50	1440	3	0.20
11/17/2018 0:00	69.30	868	8	0.90
11/17/2018 1:00	69.20	638	1	0.20
11/17/2018 2:00	69.30	511	2	0.40
11/17/2018 3:00	69.40	442	1	0.20
11/17/2018 4:00	69.30	812	4	0.50
11/17/2018 5:00	69.30	1459	14	1.00
11/17/2018 6:00	69.00	2959	43	1.50
11/17/2018 7:00	68.20	4150	49	1.20
11/17/2018 8:00	67.30	5764	96	1.70
11/17/2018 9:00	67.20	6604	101	1.50
11/17/2018 10:00	67.40	6972	106	1.50
11/17/2018 11:00	66.80	6945	133	1.90
11/17/2018 12:00	66.50	6881	113	1.60
11/17/2018 13:00	66.70	6886	128	1.90
11/17/2018 14:00	67.60	6059	97	1.60
11/17/2018 15:00	68.30	6212	83	1.30
11/17/2018 16:00	67.20	6208	79	1.30
11/17/2018 17:00	65.00	5792	94	1.60
11/17/2018 18:00	66.00	5038	84	1.70
11/17/2018 19:00	68.60	3886	49	1.30
11/17/2018 20:00	69.20	2949	34	1.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/17/2018 21:00	69.50	2619	27	1.00
11/17/2018 22:00	70.20	2326	8	0.30
11/17/2018 23:00	69.90	1535	4	0.30
11/18/2018 0:00	69.90	999	3	0.30
11/18/2018 1:00	69.60	759	0	0.00
11/18/2018 2:00	69.30	565	0	0.00
11/18/2018 3:00	69.60	414	2	0.50
11/18/2018 4:00	69.60	619	2	0.30
11/18/2018 5:00	70.00	1078	5	0.50
11/18/2018 6:00	69.90	1973	6	0.30
11/18/2018 7:00	70.00	2647	19	0.70
11/18/2018 8:00	68.60	4016	31	0.80
11/18/2018 9:00	68.00	5410	72	1.30
11/18/2018 10:00	67.50	6233	91	1.50
11/18/2018 11:00	67.10	6465	81	1.30
11/18/2018 12:00	66.80	6225	87	1.40
11/18/2018 13:00	67.70	6019	82	1.40
11/18/2018 14:00	68.00	5771	97	1.70
11/18/2018 15:00	68.20	5812	77	1.30
11/18/2018 16:00	67.10	5493	77	1.40
11/18/2018 17:00	65.30	4920	65	1.30
11/18/2018 18:00	67.40	3912	54	1.40
11/18/2018 19:00	68.30	3092	32	1.00
11/18/2018 20:00	69.60	2533	18	0.70
11/18/2018 21:00	69.80	1977	8	0.40
11/18/2018 22:00	69.40	1488	7	0.50
11/18/2018 23:00	70.00	968	2	0.20
11/19/2018 0:00	69.70	562	2	0.40
11/19/2018 1:00	69.40	365	4	1.10
11/19/2018 2:00	69.70	301	5	1.70
11/19/2018 3:00	69.50	522	3	0.60
11/19/2018 4:00	70.00	1359	3	0.20
11/19/2018 5:00	68.90	4562	52	1.10
11/19/2018 6:00	62.90	9141	250	2.70
11/19/2018 7:00	60.70	9060	192	2.10
11/19/2018 8:00	65.30	7446	144	1.90
11/19/2018 9:00	66.00	7076	134	1.90
11/19/2018 10:00	64.60	6667	131	2.00
11/19/2018 11:00	66.40	6487	145	2.20
11/19/2018 12:00	66.20	6328	143	2.30
11/19/2018 13:00	66.60	6178	129	2.10
11/19/2018 14:00	67.20	6151	137	2.20
11/19/2018 15:00	67.10	6184	105	1.70
11/19/2018 16:00	67.60	6130	88	1.40
11/19/2018 17:00	64.70	6280	164	2.60
11/19/2018 18:00	66.10	5067	90	1.80
11/19/2018 19:00	68.30	3650	67	1.80
11/19/2018 20:00	68.70	2762	34	1.20
11/19/2018 21:00	69.80	2252	17	0.80
11/19/2018 22:00	69.70	1494	2	0.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/19/2018 23:00	69.70	968	1	0.10
11/20/2018 0:00	69.60	500	1	0.20
11/20/2018 1:00	69.30	331	5	1.50
11/20/2018 2:00	69.20	332	3	0.90
11/20/2018 3:00	69.00	512	4	0.80
11/20/2018 4:00	68.50	1407	15	1.10
11/20/2018 5:00	70.60	4682	33	0.70
11/20/2018 6:00	64.30	9242	211	2.30
11/20/2018 7:00	61.60	9127	184	2.00
11/20/2018 8:00	65.40	7612	151	2.00
11/20/2018 9:00	66.00	7443	165	2.20
11/20/2018 10:00	65.80	7106	154	2.20
11/20/2018 11:00	66.30	6954	167	2.40
11/20/2018 12:00	66.30	6839	187	2.70
11/20/2018 13:00	66.30	6348	160	2.50
11/20/2018 14:00	66.70	6318	132	2.10
11/20/2018 15:00	67.00	6302	108	1.70
11/20/2018 16:00	67.30	6430	103	1.60
11/20/2018 17:00	64.50	6697	155	2.30
11/20/2018 18:00	66.20	5430	111	2.00
11/20/2018 19:00	67.70	4070	78	1.90
11/20/2018 20:00	69.00	3022	37	1.20
11/20/2018 21:00	69.40	2420	18	0.70
11/20/2018 22:00	69.30	1639	6	0.40
11/20/2018 23:00	69.60	973	4	0.40
11/21/2018 0:00	69.30	549	4	0.70
11/21/2018 1:00	69.50	394	2	0.50
11/21/2018 2:00	69.10	366	5	1.40
11/21/2018 3:00	69.40	530	2	0.40
11/21/2018 4:00	70.00	1425	11	0.80
11/21/2018 5:00	69.40	4443	46	1.00
11/21/2018 6:00	65.70	8508	190	2.20
11/21/2018 7:00	65.00	8200	211	2.60
11/21/2018 8:00	66.90	6979	139	2.00
11/21/2018 9:00	66.80	6996	147	2.10
11/21/2018 10:00	66.80	6893	144	2.10
11/21/2018 11:00	66.70	6826	144	2.10
11/21/2018 12:00	65.90	6815	131	1.90
11/21/2018 13:00	66.00	6110	143	2.30
11/21/2018 14:00	67.50	6128	120	2.00
11/21/2018 15:00	68.20	5949	89	1.50
11/21/2018 16:00	67.70	5957	90	1.50
11/21/2018 17:00	66.30	5547	94	1.70
11/21/2018 18:00	67.30	4794	64	1.30
11/21/2018 19:00	67.90	3722	61	1.60
11/21/2018 20:00	70.00	2878	22	0.80
11/21/2018 21:00	69.10	2424	18	0.70
11/21/2018 22:00	69.80	1862	7	0.40
11/21/2018 23:00	69.40	1200	4	0.30
11/22/2018 0:00	69.70	736	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/22/2018 1:00	69.80	517	1	0.20
11/22/2018 2:00	69.30	412	1	0.20
11/22/2018 3:00	69.00	382	1	0.30
11/22/2018 4:00	69.60	563	3	0.50
11/22/2018 5:00	69.30	1070	4	0.40
11/22/2018 6:00	69.20	1727	7	0.40
11/22/2018 7:00	69.60	1952	11	0.60
11/22/2018 8:00	70.00	2323	18	0.80
11/22/2018 9:00	69.40	2741	21	0.80
11/22/2018 10:00	70.70	3355	21	0.60
11/22/2018 11:00	68.90	3500	27	0.80
11/22/2018 12:00	69.70	3693	23	0.60
11/22/2018 13:00	69.60	3814	27	0.70
11/22/2018 14:00	69.80	3696	28	0.80
11/22/2018 15:00	70.10	3317	15	0.50
11/22/2018 16:00	69.50	3447	33	1.00
11/22/2018 17:00	67.90	3519	32	0.90
11/22/2018 18:00	67.80	3528	33	0.90
11/22/2018 19:00	68.50	3718	16	0.40
11/22/2018 20:00	68.20	3538	23	0.70
11/22/2018 21:00	69.50	2917	19	0.70
11/22/2018 22:00	69.70	2139	4	0.20
11/22/2018 23:00	69.90	1336	1	0.10
11/23/2018 0:00	70.00	810	2	0.20
11/23/2018 1:00	69.30	472	3	0.60
11/23/2018 2:00	69.70	343	1	0.30
11/23/2018 3:00	69.40	408	3	0.70
11/23/2018 4:00	69.70	795	4	0.50
11/23/2018 5:00	70.30	1807	10	0.60
11/23/2018 6:00	70.30	3329	35	1.10
11/23/2018 7:00	69.50	3748	34	0.90
11/23/2018 8:00	69.40	4530	50	1.10
11/23/2018 9:00	68.20	5276	84	1.60
11/23/2018 10:00	68.00	5755	85	1.50
11/23/2018 11:00	67.90	5932	71	1.20
11/23/2018 12:00	67.80	5871	90	1.50
11/23/2018 13:00	67.90	5750	90	1.60
11/23/2018 14:00	68.20	5368	68	1.30
11/23/2018 15:00	68.20	5434	73	1.30
11/23/2018 16:00	67.70	5344	72	1.30
11/23/2018 17:00	66.30	4919	69	1.40
11/23/2018 18:00	67.10	4341	59	1.40
11/23/2018 19:00	68.10	3458	34	1.00
11/23/2018 20:00	70.10	2759	31	1.10
11/23/2018 21:00	69.90	2411	14	0.60
11/23/2018 22:00	69.90	1880	13	0.70
11/23/2018 23:00	69.60	1209	3	0.20
11/24/2018 0:00	69.50	704	0	0.00
11/24/2018 1:00	69.70	568	2	0.40
11/24/2018 2:00	69.40	435	0	0.00

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/24/2018 3:00	69.30	382	2	0.50
11/24/2018 4:00	69.60	644	2	0.30
11/24/2018 5:00	69.50	1161	3	0.30
11/24/2018 6:00	69.80	2159	12	0.60
11/24/2018 7:00	70.10	2925	21	0.70
11/24/2018 8:00	69.40	4291	34	0.80
11/24/2018 9:00	68.40	5480	63	1.10
11/24/2018 10:00	68.10	5834	69	1.20
11/24/2018 11:00	67.20	5993	91	1.50
11/24/2018 12:00	67.50	5564	65	1.20
11/24/2018 13:00	68.00	5793	87	1.50
11/24/2018 14:00	68.00	5495	64	1.20
11/24/2018 15:00	68.30	5675	72	1.30
11/24/2018 16:00	68.00	5317	43	0.80
11/24/2018 17:00	66.00	4996	66	1.30
11/24/2018 18:00	65.70	4496	76	1.70
11/24/2018 19:00	69.10	3442	39	1.10
11/24/2018 20:00	69.50	2761	11	0.40
11/24/2018 21:00	70.20	2511	18	0.70
11/24/2018 22:00	69.50	2033	14	0.70
11/24/2018 23:00	69.40	1580	12	0.80
11/25/2018 0:00	69.40	951	6	0.60
11/25/2018 1:00	69.70	597	1	0.20
11/25/2018 2:00	69.70	455	1	0.20
11/25/2018 3:00	70.10	381	0	0.00
11/25/2018 4:00	70.00	625	4	0.60
11/25/2018 5:00	69.90	1077	1	0.10
11/25/2018 6:00	70.40	1787	3	0.20
11/25/2018 7:00	69.70	2392	17	0.70
11/25/2018 8:00	69.40	3624	15	0.40
11/25/2018 9:00	68.30	5017	66	1.30
11/25/2018 10:00	67.70	5809	64	1.10
11/25/2018 11:00	68.10	5854	70	1.20
11/25/2018 12:00	67.70	5901	66	1.10
11/25/2018 13:00	68.10	5675	80	1.40
11/25/2018 14:00	68.40	5328	68	1.30
11/25/2018 15:00	68.00	5350	83	1.60
11/25/2018 16:00	67.00	5089	75	1.50
11/25/2018 17:00	65.80	4617	60	1.30
11/25/2018 18:00	67.70	4053	45	1.10
11/25/2018 19:00	69.00	3349	26	0.80
11/25/2018 20:00	69.50	2585	23	0.90
11/25/2018 21:00	69.50	1986	8	0.40
11/25/2018 22:00	69.90	1471	9	0.60
11/25/2018 23:00	69.60	1034	2	0.20
11/26/2018 0:00	69.40	643	0	0.00
11/26/2018 1:00	69.30	390	3	0.80
11/26/2018 2:00	69.00	244	1	0.40
11/26/2018 3:00	69.10	469	4	0.90
11/26/2018 4:00	70.20	1374	9	0.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/26/2018 5:00	69.00	4691	33	0.70
11/26/2018 6:00	62.80	9682	217	2.20
11/26/2018 7:00	36.10	9006	359	4.00
11/26/2018 8:00	28.60	8104	141	1.70
11/26/2018 9:00	65.60	7016	139	2.00
11/26/2018 10:00	67.10	6176	149	2.40
11/26/2018 11:00	66.90	5997	141	2.40
11/26/2018 12:00	66.40	6008	128	2.10
11/26/2018 13:00	66.30	5908	153	2.60
11/26/2018 14:00	67.10	5858	126	2.20
11/26/2018 15:00	67.60	6119	123	2.00
11/26/2018 16:00	67.70	6237	111	1.80
11/26/2018 17:00	66.70	6173	105	1.70
11/26/2018 18:00	66.40	5015	86	1.70
11/26/2018 19:00	67.90	3532	65	1.80
11/26/2018 20:00	69.10	2719	26	1.00
11/26/2018 21:00	69.60	2126	20	0.90
11/26/2018 22:00	69.60	1390	2	0.10
11/26/2018 23:00	69.50	885	2	0.20
11/27/2018 0:00	69.60	528	2	0.40
11/27/2018 1:00	69.50	326	2	0.60
11/27/2018 2:00	68.90	310	2	0.60
11/27/2018 3:00	69.40	439	2	0.50
11/27/2018 4:00	69.60	1410	8	0.60
11/27/2018 5:00	69.30	5002	41	0.80
11/27/2018 6:00	57.90	9526	571	6.00
11/27/2018 7:00	52.90	8317	534	6.40
11/27/2018 8:00	31.70	8667	383	4.40
11/27/2018 9:00	49.70	7957	371	4.70
11/27/2018 10:00	65.80	6339	148	2.30
11/27/2018 11:00	66.80	6158	136	2.20
11/27/2018 12:00	66.00	6235	186	3.00
11/27/2018 13:00	66.50	6037	125	2.10
11/27/2018 14:00	66.50	6197	139	2.20
11/27/2018 15:00	67.50	6546	115	1.80
11/27/2018 16:00	67.10	6421	121	1.90
11/27/2018 17:00	64.30	6808	190	2.80
11/27/2018 18:00	65.70	5090	100	2.00
11/27/2018 19:00	68.30	3607	48	1.30
11/27/2018 20:00	68.30	2932	50	1.70
11/27/2018 21:00	69.10	3012	39	1.30
11/27/2018 22:00	69.90	1667	6	0.40
11/27/2018 23:00	69.70	924	3	0.30
11/28/2018 0:00	69.30	522	0	0.00
11/28/2018 1:00	69.30	330	0	0.00
11/28/2018 2:00	69.20	284	8	2.80
11/28/2018 3:00	68.90	445	4	0.90
11/28/2018 4:00	68.70	1380	11	0.80
11/28/2018 5:00	68.90	4968	54	1.10
11/28/2018 6:00	45.30	9459	496	5.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/28/2018 7:00	21.40	8999	845	9.40
11/28/2018 8:00	18.40	8290	346	4.20
11/28/2018 9:00	59.40	7894	206	2.60
11/28/2018 10:00	65.30	6529	162	2.50
11/28/2018 11:00	66.10	6093	135	2.20
11/28/2018 12:00	65.90	6337	165	2.60
11/28/2018 13:00	65.70	6255	149	2.40
11/28/2018 14:00	66.40	6160	127	2.10
11/28/2018 15:00	67.70	6506	113	1.70
11/28/2018 16:00	67.20	6467	117	1.80
11/28/2018 17:00	65.10	6587	142	2.20
11/28/2018 18:00	66.60	5302	83	1.60
11/28/2018 19:00	68.20	3845	59	1.50
11/28/2018 20:00	68.80	3016	36	1.20
11/28/2018 21:00	68.30	2394	38	1.60
11/28/2018 22:00	69.60	1563	5	0.30
11/28/2018 23:00	69.40	926	2	0.20
11/29/2018 0:00	69.50	531	1	0.20
11/29/2018 1:00	68.90	360	2	0.60
11/29/2018 2:00	68.60	311	2	0.60
11/29/2018 3:00	67.90	478	5	1.00
11/29/2018 4:00	66.50	1470	16	1.10
11/29/2018 5:00	62.80	4694	101	2.20
11/29/2018 6:00	49.40	8482	736	8.70
11/29/2018 7:00	44.10	9099	496	5.50
11/29/2018 8:00	26.00	7642	360	4.70
11/29/2018 9:00	62.60	6704	142	2.10
11/29/2018 10:00	60.10	5778	135	2.30
11/29/2018 11:00	50.30	5098	73	1.40
11/29/2018 12:00	53.00	5345	97	1.80
11/29/2018 13:00	61.60	5248	123	2.30
11/29/2018 14:00	60.10	5772	122	2.10
11/29/2018 15:00	63.90	5694	138	2.40
11/29/2018 16:00	61.70	5913	119	2.00
11/29/2018 17:00	57.50	5753	196	3.40
11/29/2018 18:00	54.60	4607	109	2.40
11/29/2018 19:00	63.40	3524	56	1.60
11/29/2018 20:00	65.30	2756	41	1.50
11/29/2018 21:00	68.50	2371	23	1.00
11/29/2018 22:00	65.70	1504	8	0.50
11/29/2018 23:00	66.90	952	2	0.20
11/30/2018 0:00	69.10	571	2	0.40
11/30/2018 1:00	68.90	400	7	1.80
11/30/2018 2:00	68.80	339	1	0.30
11/30/2018 3:00	68.80	501	6	1.20
11/30/2018 4:00	68.50	1317	12	0.90
11/30/2018 5:00	65.90	4365	55	1.30
11/30/2018 6:00	60.20	9226	251	2.70
11/30/2018 7:00	30.30	8845	451	5.10
11/30/2018 8:00	22.80	8380	622	7.40



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
11/30/2018 9:00	61.90	7452	181	2.40
11/30/2018 10:00	63.60	6945	192	2.80
11/30/2018 11:00	64.20	6786	179	2.60
11/30/2018 12:00	65.10	6574	150	2.30
11/30/2018 13:00	64.60	6555	176	2.70
11/30/2018 14:00	65.70	6666	139	2.10
11/30/2018 15:00	65.80	6682	126	1.90
11/30/2018 16:00	65.70	6724	107	1.60
11/30/2018 17:00	63.50	6912	152	2.20
11/30/2018 18:00	64.40	5743	97	1.70
11/30/2018 19:00	67.00	4140	63	1.50
11/30/2018 20:00	68.10	3314	38	1.10
11/30/2018 21:00	68.70	2723	22	0.80
11/30/2018 22:00	69.30	2130	11	0.50
11/30/2018 23:00	68.80	1483	9	0.60
12/01/2018 0:00	69.60	962	3	0.30
12/01/2018 1:00	69.20	718	9	1.30
12/01/2018 2:00	69.20	566	4	0.70
12/01/2018 3:00	69.10	473	3	0.60
12/01/2018 4:00	69.20	711	1	0.10
12/01/2018 5:00	69.30	1502	12	0.80
12/01/2018 6:00	69.10	2811	23	0.80
12/01/2018 7:00	68.90	4097	63	1.50
12/01/2018 8:00	67.60	5399	90	1.70
12/01/2018 9:00	67.20	6572	112	1.70
12/01/2018 10:00	66.80	6621	112	1.70
12/01/2018 11:00	67.00	6894	109	1.60
12/01/2018 12:00	66.20	6982	123	1.80
12/01/2018 13:00	66.70	6832	122	1.80
12/01/2018 14:00	66.50	6378	98	1.50
12/01/2018 15:00	67.30	6549	90	1.40
12/01/2018 16:00	66.60	6548	95	1.50
12/01/2018 17:00	65.00	6199	137	2.20
12/01/2018 18:00	65.00	5213	93	1.80
12/01/2018 19:00	67.60	3787	42	1.10
12/01/2018 20:00	68.90	2906	29	1.00
12/01/2018 21:00	68.70	2625	25	1.00
12/01/2018 22:00	68.30	2255	18	0.80
12/01/2018 23:00	69.10	1593	8	0.50
12/02/2018 0:00	69.20	985	3	0.30
12/02/2018 1:00	69.40	744	1	0.10
12/02/2018 2:00	69.30	571	1	0.20
12/02/2018 3:00	69.40	435	2	0.50
12/02/2018 4:00	69.40	559	2	0.40
12/02/2018 5:00	69.80	1050	1	0.10
12/02/2018 6:00	69.30	1794	9	0.50
12/02/2018 7:00	69.80	2591	5	0.20
12/02/2018 8:00	68.70	4043	46	1.10
12/02/2018 9:00	67.70	5282	81	1.50
12/02/2018 10:00	67.10	6290	97	1.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/02/2018 11:00	67.30	6208	84	1.40
12/02/2018 12:00	67.00	6461	92	1.40
12/02/2018 13:00	67.10	6022	103	1.70
12/02/2018 14:00	67.70	5766	88	1.50
12/02/2018 15:00	67.10	5642	83	1.50
12/02/2018 16:00	66.70	5409	73	1.30
12/02/2018 17:00	64.80	4976	76	1.50
12/02/2018 18:00	66.50	4047	66	1.60
12/02/2018 19:00	68.30	3113	40	1.30
12/02/2018 20:00	68.40	2433	11	0.50
12/02/2018 21:00	69.30	2053	9	0.40
12/02/2018 22:00	69.50	1400	5	0.40
12/02/2018 23:00	69.40	856	1	0.10
12/03/2018 0:00	69.40	523	4	0.80
12/03/2018 1:00	69.20	306	0	0.00
12/03/2018 2:00	69.10	303	3	1.00
12/03/2018 3:00	69.10	451	1	0.20
12/03/2018 4:00	69.90	1323	6	0.50
12/03/2018 5:00	68.20	4670	54	1.20
12/03/2018 6:00	48.90	9478	407	4.30
12/03/2018 7:00	23.50	9168	637	6.90
12/03/2018 8:00	20.20	8299	484	5.80
12/03/2018 9:00	60.50	7092	152	2.10
12/03/2018 10:00	66.40	6317	142	2.20
12/03/2018 11:00	66.70	6105	129	2.10
12/03/2018 12:00	65.60	5985	150	2.50
12/03/2018 13:00	66.20	5775	147	2.50
12/03/2018 14:00	66.30	6134	146	2.40
12/03/2018 15:00	66.90	6217	129	2.10
12/03/2018 16:00	66.70	6329	138	2.20
12/03/2018 17:00	66.00	6297	138	2.20
12/03/2018 18:00	66.10	4941	102	2.10
12/03/2018 19:00	68.90	3539	59	1.70
12/03/2018 20:00	69.40	2785	31	1.10
12/03/2018 21:00	69.60	2238	18	0.80
12/03/2018 22:00	69.80	1436	2	0.10
12/03/2018 23:00	69.40	796	4	0.50
12/04/2018 0:00	69.10	527	2	0.40
12/04/2018 1:00	69.20	291	4	1.40
12/04/2018 2:00	68.70	306	2	0.70
12/04/2018 3:00	68.80	458	6	1.30
12/04/2018 4:00	69.40	1361	13	1.00
12/04/2018 5:00	69.20	4884	52	1.10
12/04/2018 6:00	54.40	9380	302	3.20
12/04/2018 7:00	22.00	8972	369	4.10
12/04/2018 8:00	19.30	8174	305	3.70
12/04/2018 9:00	46.00	7626	172	2.30
12/04/2018 10:00	66.40	6473	159	2.50
12/04/2018 11:00	66.50	6312	165	2.60
12/04/2018 12:00	67.30	6106	139	2.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/04/2018 13:00	66.00	6023	135	2.20
12/04/2018 14:00	66.60	6529	143	2.20
12/04/2018 15:00	66.70	6504	139	2.10
12/04/2018 16:00	66.30	6494	148	2.30
12/04/2018 17:00	64.20	6902	183	2.70
12/04/2018 18:00	65.90	5525	133	2.40
12/04/2018 19:00	67.30	3834	75	2.00
12/04/2018 20:00	68.80	2857	19	0.70
12/04/2018 21:00	69.00	2356	23	1.00
12/04/2018 22:00	69.50	1501	6	0.40
12/04/2018 23:00	69.50	878	5	0.60
12/05/2018 0:00	69.60	526	2	0.40
12/05/2018 1:00	69.10	333	3	0.90
12/05/2018 2:00	69.00	318	3	0.90
12/05/2018 3:00	69.20	463	3	0.60
12/05/2018 4:00	68.70	1124	8	0.70
12/05/2018 5:00	69.30	4389	50	1.10
12/05/2018 6:00	44.70	8715	805	9.20
12/05/2018 7:00	20.00	8706	626	7.20
12/05/2018 8:00	34.70	8300	625	7.50
12/05/2018 9:00	66.40	7068	169	2.40
12/05/2018 10:00	67.00	6585	160	2.40
12/05/2018 11:00	67.60	6270	127	2.00
12/05/2018 12:00	64.10	6211	181	2.90
12/05/2018 13:00	54.80	5958	259	4.30
12/05/2018 14:00	55.80	5713	184	3.20
12/05/2018 15:00	54.00	5462	109	2.00
12/05/2018 16:00	54.60	5467	75	1.40
12/05/2018 17:00	54.40	5450	149	2.70
12/05/2018 18:00	63.90	4551	95	2.10
12/05/2018 19:00	67.30	3378	61	1.80
12/05/2018 20:00	68.60	2584	33	1.30
12/05/2018 21:00	68.60	3098	45	1.50
12/05/2018 22:00	69.10	1744	16	0.90
12/05/2018 23:00	68.90	883	6	0.70
12/06/2018 0:00	69.10	530	4	0.80
12/06/2018 1:00	69.20	359	6	1.70
12/06/2018 2:00	69.00	275	1	0.40
12/06/2018 3:00	68.50	458	4	0.90
12/06/2018 4:00	68.60	1277	5	0.40
12/06/2018 5:00	64.90	4345	62	1.40
12/06/2018 6:00	33.90	7767	533	6.90
12/06/2018 7:00	18.00	8253	399	4.80
12/06/2018 8:00	22.20	8073	117	1.40
12/06/2018 9:00	59.40	6796	167	2.50
12/06/2018 10:00	64.90	6099	138	2.30
12/06/2018 11:00	65.90	6024	119	2.00
12/06/2018 12:00	65.80	6200	150	2.40
12/06/2018 13:00	66.30	5689	107	1.90
12/06/2018 14:00	64.10	6239	133	2.10

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/06/2018 15:00	62.40	6316	131	2.10
12/06/2018 16:00	55.80	5997	185	3.10
12/06/2018 17:00	43.80	5469	211	3.90
12/06/2018 18:00	44.40	3961	60	1.50
12/06/2018 19:00	54.00	3040	48	1.60
12/06/2018 20:00	56.80	2314	21	0.90
12/06/2018 21:00	57.80	2068	15	0.70
12/06/2018 22:00	65.00	1437	4	0.30
12/06/2018 23:00	68.30	934	1	0.10
12/07/2018 0:00	69.10	569	3	0.50
12/07/2018 1:00	68.80	344	5	1.50
12/07/2018 2:00	69.20	295	1	0.30
12/07/2018 3:00	68.90	487	5	1.00
12/07/2018 4:00	68.80	1301	12	0.90
12/07/2018 5:00	67.20	4253	47	1.10
12/07/2018 6:00	57.50	9029	435	4.80
12/07/2018 7:00	53.00	9255	219	2.40
12/07/2018 8:00	33.70	7978	432	5.40
12/07/2018 9:00	64.50	7546	181	2.40
12/07/2018 10:00	65.80	6717	157	2.30
12/07/2018 11:00	65.70	7120	168	2.40
12/07/2018 12:00	65.00	6868	154	2.20
12/07/2018 13:00	65.20	6593	158	2.40
12/07/2018 14:00	65.40	6904	158	2.30
12/07/2018 15:00	65.20	7108	150	2.10
12/07/2018 16:00	63.30	6907	164	2.40
12/07/2018 17:00	64.00	6923	148	2.10
12/07/2018 18:00	52.30	5740	336	5.90
12/07/2018 19:00	66.90	4201	62	1.50
12/07/2018 20:00	68.00	3319	39	1.20
12/07/2018 21:00	69.10	2916	29	1.00
12/07/2018 22:00	69.10	2430	25	1.00
12/07/2018 23:00	69.10	1618	11	0.70
12/08/2018 0:00	69.50	1053	6	0.60
12/08/2018 1:00	69.40	724	2	0.30
12/08/2018 2:00	69.10	555	6	1.10
12/08/2018 3:00	69.40	472	6	1.30
12/08/2018 4:00	68.80	707	6	0.80
12/08/2018 5:00	69.10	1449	6	0.40
12/08/2018 6:00	69.00	2756	23	0.80
12/08/2018 7:00	68.40	3928	59	1.50
12/08/2018 8:00	67.30	5390	106	2.00
12/08/2018 9:00	67.10	6642	122	1.80
12/08/2018 10:00	66.20	6862	134	2.00
12/08/2018 11:00	67.20	7084	122	1.70
12/08/2018 12:00	65.90	7421	127	1.70
12/08/2018 13:00	66.10	6993	117	1.70
12/08/2018 14:00	66.70	6616	117	1.80
12/08/2018 15:00	67.20	6668	117	1.80
12/08/2018 16:00	66.20	6699	121	1.80

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/08/2018 17:00	64.40	6664	156	2.30
12/08/2018 18:00	64.10	5648	115	2.00
12/08/2018 19:00	67.20	4254	79	1.90
12/08/2018 20:00	67.00	3586	60	1.70
12/08/2018 21:00	69.10	2997	22	0.70
12/08/2018 22:00	67.40	3148	62	2.00
12/08/2018 23:00	66.70	2705	56	2.10
12/09/2018 0:00	69.00	1187	9	0.80
12/09/2018 1:00	69.00	820	8	1.00
12/09/2018 2:00	69.20	608	1	0.20
12/09/2018 3:00	70.00	448	8	1.80
12/09/2018 4:00	69.60	519	1	0.20
12/09/2018 5:00	69.60	1140	6	0.50
12/09/2018 6:00	69.90	1767	11	0.60
12/09/2018 7:00	69.00	2350	28	1.20
12/09/2018 8:00	68.80	3809	41	1.10
12/09/2018 9:00	67.50	5470	78	1.40
12/09/2018 10:00	67.10	6251	72	1.20
12/09/2018 11:00	66.90	6374	109	1.70
12/09/2018 12:00	66.40	6292	94	1.50
12/09/2018 13:00	66.40	6265	99	1.60
12/09/2018 14:00	66.60	5956	60	1.00
12/09/2018 15:00	67.00	6006	88	1.50
12/09/2018 16:00	67.10	5635	82	1.50
12/09/2018 17:00	65.40	5037	96	1.90
12/09/2018 18:00	66.50	3939	35	0.90
12/09/2018 19:00	68.10	3169	39	1.20
12/09/2018 20:00	68.60	2608	30	1.20
12/09/2018 21:00	70.00	1973	13	0.70
12/09/2018 22:00	69.20	1345	7	0.50
12/09/2018 23:00	69.30	907	2	0.20
12/10/2018 0:00	69.60	529	2	0.40
12/10/2018 1:00	69.00	356	5	1.40
12/10/2018 2:00	69.10	269	5	1.90
12/10/2018 3:00	68.70	474	12	2.50
12/10/2018 4:00	70.50	1337	10	0.70
12/10/2018 5:00	69.90	4636	45	1.00
12/10/2018 6:00	62.10	9226	256	2.80
12/10/2018 7:00	25.50	8813	843	9.60
12/10/2018 8:00	28.20	8376	435	5.20
12/10/2018 9:00	66.30	6936	163	2.40
12/10/2018 10:00	67.50	6443	131	2.00
12/10/2018 11:00	66.80	6163	113	1.80
12/10/2018 12:00	67.50	6304	144	2.30
12/10/2018 13:00	67.90	5996	124	2.10
12/10/2018 14:00	67.40	6120	129	2.10
12/10/2018 15:00	67.50	6214	104	1.70
12/10/2018 16:00	67.20	6040	105	1.70
12/10/2018 17:00	65.20	6371	177	2.80
12/10/2018 18:00	67.20	5055	109	2.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/10/2018 19:00	68.10	3451	54	1.60
12/10/2018 20:00	68.60	2778	39	1.40
12/10/2018 21:00	68.90	2175	35	1.60
12/10/2018 22:00	69.30	1355	17	1.30
12/10/2018 23:00	69.70	921	6	0.70
12/11/2018 0:00	69.10	535	5	0.90
12/11/2018 1:00	69.50	348	3	0.90
12/11/2018 2:00	68.70	292	10	3.40
12/11/2018 3:00	69.10	427	5	1.20
12/11/2018 4:00	69.70	1394	10	0.70
12/11/2018 5:00	69.20	4785	44	0.90
12/11/2018 6:00	61.30	9502	211	2.20
12/11/2018 7:00	24.90	8599	1028	12.00
12/11/2018 8:00	14.80	7513	413	5.50
12/11/2018 9:00	52.70	7832	192	2.50
12/11/2018 10:00	66.00	6674	143	2.10
12/11/2018 11:00	65.90	6362	136	2.10
12/11/2018 12:00	66.80	6315	147	2.30
12/11/2018 13:00	66.50	6046	135	2.20
12/11/2018 14:00	67.90	6214	113	1.80
12/11/2018 15:00	67.40	6356	114	1.80
12/11/2018 16:00	66.60	6404	140	2.20
12/11/2018 17:00	62.70	6974	239	3.40
12/11/2018 18:00	65.90	5106	124	2.40
12/11/2018 19:00	67.70	3882	57	1.50
12/11/2018 20:00	68.80	2879	20	0.70
12/11/2018 21:00	69.70	2310	21	0.90
12/11/2018 22:00	69.10	1671	8	0.50
12/11/2018 23:00	69.20	907	5	0.60
12/12/2018 0:00	69.50	515	3	0.60
12/12/2018 1:00	69.40	339	0	0.00
12/12/2018 2:00	69.20	322	1	0.30
12/12/2018 3:00	69.20	493	1	0.20
12/12/2018 4:00	69.20	1384	4	0.30
12/12/2018 5:00	69.40	4689	41	0.90
12/12/2018 6:00	47.90	9080	462	5.10
12/12/2018 7:00	22.70	8806	812	9.20
12/12/2018 8:00	28.90	8121	303	3.70
12/12/2018 9:00	63.50	7286	172	2.40
12/12/2018 10:00	66.40	6642	158	2.40
12/12/2018 11:00	66.70	6316	126	2.00
12/12/2018 12:00	65.80	6465	155	2.40
12/12/2018 13:00	65.30	6219	144	2.30
12/12/2018 14:00	66.30	6080	141	2.30
12/12/2018 15:00	67.50	6127	123	2.00
12/12/2018 16:00	66.60	6111	87	1.40
12/12/2018 17:00	64.40	6107	149	2.40
12/12/2018 18:00	66.40	5038	79	1.60
12/12/2018 19:00	67.80	3730	69	1.80
12/12/2018 20:00	69.30	2942	41	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/12/2018 21:00	68.60	2747	33	1.20
12/12/2018 22:00	69.60	1696	3	0.20
12/12/2018 23:00	69.40	990	3	0.30
12/13/2018 0:00	69.20	595	2	0.30
12/13/2018 1:00	68.90	381	2	0.50
12/13/2018 2:00	69.00	332	1	0.30
12/13/2018 3:00	69.20	481	4	0.80
12/13/2018 4:00	70.70	1397	3	0.20
12/13/2018 5:00	70.10	4755	45	0.90
12/13/2018 6:00	44.50	9185	411	4.50
12/13/2018 7:00	21.80	8785	914	10.40
12/13/2018 8:00	19.50	8295	538	6.50
12/13/2018 9:00	47.80	8271	227	2.70
12/13/2018 10:00	65.30	7083	143	2.00
12/13/2018 11:00	65.20	6935	146	2.10
12/13/2018 12:00	64.90	6721	173	2.60
12/13/2018 13:00	64.90	6340	144	2.30
12/13/2018 14:00	64.50	6449	158	2.40
12/13/2018 15:00	65.60	6261	124	2.00
12/13/2018 16:00	65.40	6741	106	1.60
12/13/2018 17:00	64.40	6720	147	2.20
12/13/2018 18:00	64.50	5343	91	1.70
12/13/2018 19:00	67.20	3884	67	1.70
12/13/2018 20:00	69.00	3004	42	1.40
12/13/2018 21:00	69.00	2978	51	1.70
12/13/2018 22:00	68.90	1865	13	0.70
12/13/2018 23:00	69.70	1116	2	0.20
12/14/2018 0:00	69.30	753	9	1.20
12/14/2018 1:00	68.90	449	4	0.90
12/14/2018 2:00	68.90	408	9	2.20
12/14/2018 3:00	69.30	532	6	1.10
12/14/2018 4:00	69.80	1342	7	0.50
12/14/2018 5:00	68.60	4465	49	1.10
12/14/2018 6:00	60.20	9372	256	2.70
12/14/2018 7:00	48.10	9934	359	3.60
12/14/2018 8:00	44.10	8270	234	2.80
12/14/2018 9:00	64.20	7536	197	2.60
12/14/2018 10:00	65.00	7170	159	2.20
12/14/2018 11:00	65.00	7216	179	2.50
12/14/2018 12:00	65.00	6868	161	2.30
12/14/2018 13:00	65.10	6779	160	2.40
12/14/2018 14:00	64.40	6951	144	2.10
12/14/2018 15:00	66.30	6798	129	1.90
12/14/2018 16:00	65.70	6991	135	1.90
12/14/2018 17:00	62.90	7100	195	2.70
12/14/2018 18:00	63.80	6291	144	2.30
12/14/2018 19:00	67.30	4415	81	1.80
12/14/2018 20:00	68.80	3335	32	1.00
12/14/2018 21:00	69.30	2858	25	0.90
12/14/2018 22:00	69.40	2405	9	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/14/2018 23:00	70.00	1584	7	0.40
12/15/2018 0:00	69.90	1042	0	0.00
12/15/2018 1:00	69.40	669	5	0.70
12/15/2018 2:00	69.30	513	4	0.80
12/15/2018 3:00	69.30	457	4	0.90
12/15/2018 4:00	69.40	731	4	0.50
12/15/2018 5:00	68.70	1474	8	0.50
12/15/2018 6:00	68.00	2739	37	1.40
12/15/2018 7:00	69.00	3915	54	1.40
12/15/2018 8:00	67.50	5456	81	1.50
12/15/2018 9:00	66.70	6659	112	1.70
12/15/2018 10:00	66.70	6864	130	1.90
12/15/2018 11:00	66.70	7141	118	1.70
12/15/2018 12:00	67.00	7084	140	2.00
12/15/2018 13:00	67.30	6832	148	2.20
12/15/2018 14:00	67.30	6422	144	2.20
12/15/2018 15:00	67.30	6462	110	1.70
12/15/2018 16:00	31.40	4295	130	3.00
12/15/2018 17:00	19.00	5288	64	1.20
12/15/2018 18:00	65.10	6071	98	1.60
12/15/2018 19:00	67.40	4112	53	1.30
12/15/2018 20:00	68.70	3297	35	1.10
12/15/2018 21:00	69.70	3027	21	0.70
12/15/2018 22:00	69.90	2597	21	0.80
12/15/2018 23:00	70.00	1736	10	0.60
12/16/2018 0:00	69.60	1109	4	0.40
12/16/2018 1:00	69.90	769	2	0.30
12/16/2018 2:00	69.30	627	0	0.00
12/16/2018 3:00	69.90	440	0	0.00
12/16/2018 4:00	69.60	558	2	0.40
12/16/2018 5:00	69.00	1092	4	0.40
12/16/2018 6:00	69.90	1889	3	0.20
12/16/2018 7:00	69.70	2488	10	0.40
12/16/2018 8:00	68.90	3902	28	0.70
12/16/2018 9:00	67.70	5498	75	1.40
12/16/2018 10:00	67.30	6248	75	1.20
12/16/2018 11:00	66.90	6538	92	1.40
12/16/2018 12:00	66.00	6573	85	1.30
12/16/2018 13:00	66.30	6529	100	1.50
12/16/2018 14:00	66.50	5870	74	1.30
12/16/2018 15:00	66.70	6200	90	1.50
12/16/2018 16:00	66.00	6293	78	1.20
12/16/2018 17:00	64.80	5116	66	1.30
12/16/2018 18:00	65.40	4053	51	1.30
12/16/2018 19:00	67.90	3239	45	1.40
12/16/2018 20:00	68.40	2740	24	0.90
12/16/2018 21:00	68.80	2154	14	0.60
12/16/2018 22:00	69.30	1499	5	0.30
12/16/2018 23:00	69.50	927	1	0.10
12/17/2018 0:00	69.30	609	0	0.00



Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/17/2018 1:00	69.00	358	2	0.60
12/17/2018 2:00	68.60	344	2	0.60
12/17/2018 3:00	68.50	507	8	1.60
12/17/2018 4:00	69.60	1319	9	0.70
12/17/2018 5:00	70.50	4628	39	0.80
12/17/2018 6:00	63.60	8265	214	2.60
12/17/2018 7:00	41.40	9529	557	5.80
12/17/2018 8:00	50.20	8455	514	6.10
12/17/2018 9:00	65.60	7163	171	2.40
12/17/2018 10:00	66.70	6793	130	1.90
12/17/2018 11:00	66.30	6537	143	2.20
12/17/2018 12:00	67.30	6367	173	2.70
12/17/2018 13:00	67.00	6136	156	2.50
12/17/2018 14:00	67.40	6283	130	2.10
12/17/2018 15:00	67.50	6269	123	2.00
12/17/2018 16:00	67.40	6013	100	1.70
12/17/2018 17:00	65.00	6379	150	2.40
12/17/2018 18:00	66.80	4815	92	1.90
12/17/2018 19:00	68.50	3567	60	1.70
12/17/2018 20:00	69.40	2786	29	1.00
12/17/2018 21:00	69.70	2143	20	0.90
12/17/2018 22:00	69.10	1455	10	0.70
12/17/2018 23:00	69.90	989	2	0.20
12/18/2018 0:00	69.20	614	3	0.50
12/18/2018 1:00	69.10	383	4	1.00
12/18/2018 2:00	68.90	332	0	0.00
12/18/2018 3:00	69.10	511	2	0.40
12/18/2018 4:00	69.60	1374	11	0.80
12/18/2018 5:00	69.50	4772	60	1.30
12/18/2018 6:00	62.30	9315	186	2.00
12/18/2018 7:00	43.20	9117	436	4.80
12/18/2018 8:00	19.70	8243	540	6.60
12/18/2018 9:00	57.60	7504	212	2.80
12/18/2018 10:00	66.50	7001	156	2.20
12/18/2018 11:00	66.50	6920	168	2.40
12/18/2018 12:00	66.90	6706	154	2.30
12/18/2018 13:00	67.40	6530	159	2.40
12/18/2018 14:00	67.40	6606	165	2.50
12/18/2018 15:00	67.60	6392	123	1.90
12/18/2018 16:00	68.20	6274	116	1.80
12/18/2018 17:00	65.50	6836	168	2.50
12/18/2018 18:00	66.30	5307	112	2.10
12/18/2018 19:00	67.90	3942	70	1.80
12/18/2018 20:00	69.20	3048	33	1.10
12/18/2018 21:00	69.10	2404	17	0.70
12/18/2018 22:00	69.60	1657	9	0.50
12/18/2018 23:00	69.70	1015	1	0.10
12/19/2018 0:00	69.40	608	8	1.30
12/19/2018 1:00	69.20	395	3	0.80
12/19/2018 2:00	69.20	326	2	0.60

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/19/2018 3:00	69.10	529	2	0.40
12/19/2018 4:00	69.20	1407	13	0.90
12/19/2018 5:00	70.50	4599	39	0.80
12/19/2018 6:00	59.50	9412	374	4.00
12/19/2018 7:00	38.10	9141	475	5.20
12/19/2018 8:00	38.50	8513	440	5.20
12/19/2018 9:00	57.50	7851	240	3.10
12/19/2018 10:00	66.20	7071	182	2.60
12/19/2018 11:00	66.30	6906	158	2.30
12/19/2018 12:00	66.80	6769	163	2.40
12/19/2018 13:00	66.20	6684	170	2.50
12/19/2018 14:00	56.20	6455	264	4.10
12/19/2018 15:00	68.00	6355	108	1.70
12/19/2018 16:00	67.00	6606	98	1.50
12/19/2018 17:00	63.30	6877	198	2.90
12/19/2018 18:00	66.40	5409	111	2.10
12/19/2018 19:00	68.90	3932	50	1.30
12/19/2018 20:00	69.00	3102	43	1.40
12/19/2018 21:00	70.10	2453	25	1.00
12/19/2018 22:00	69.30	1672	7	0.40
12/19/2018 23:00	69.60	1103	2	0.20
12/20/2018 0:00	69.30	651	4	0.60
12/20/2018 1:00	69.40	420	4	1.00
12/20/2018 2:00	69.20	357	4	1.10
12/20/2018 3:00	69.60	523	4	0.80
12/20/2018 4:00	69.80	1355	10	0.70
12/20/2018 5:00	70.60	4587	47	1.00
12/20/2018 6:00	57.70	9006	474	5.30
12/20/2018 7:00	26.50	8943	921	10.30
12/20/2018 8:00	35.20	8509	790	9.30
12/20/2018 9:00	65.60	7342	162	2.20
12/20/2018 10:00	66.50	7211	159	2.20
12/20/2018 11:00	66.70	6974	127	1.80
12/20/2018 12:00	66.70	6718	152	2.30
12/20/2018 13:00	67.20	6548	136	2.10
12/20/2018 14:00	67.30	6437	139	2.20
12/20/2018 15:00	67.80	6298	130	2.10
12/20/2018 16:00	68.10	6437	101	1.60
12/20/2018 17:00	66.30	6431	119	1.90
12/20/2018 18:00	66.70	5149	121	2.30
12/20/2018 19:00	68.50	4056	68	1.70
12/20/2018 20:00	69.10	3002	35	1.20
12/20/2018 21:00	69.40	2333	21	0.90
12/20/2018 22:00	70.20	1748	8	0.50
12/20/2018 23:00	69.30	1071	5	0.50
12/21/2018 0:00	68.90	682	11	1.60
12/21/2018 1:00	69.40	431	4	0.90
12/21/2018 2:00	68.90	359	4	1.10
12/21/2018 3:00	69.10	562	4	0.70
12/21/2018 4:00	70.10	1331	7	0.50

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/21/2018 5:00	70.30	4048	35	0.90
12/21/2018 6:00	64.10	8398	171	2.00
12/21/2018 7:00	60.80	9095	187	2.10
12/21/2018 8:00	65.30	7741	185	2.40
12/21/2018 9:00	65.90	7759	198	2.60
12/21/2018 10:00	66.50	7517	171	2.30
12/21/2018 11:00	67.40	7352	151	2.10
12/21/2018 12:00	67.20	7119	150	2.10
12/21/2018 13:00	68.20	6832	142	2.10
12/21/2018 14:00	67.30	6639	146	2.20
12/21/2018 15:00	68.50	6208	89	1.40
12/21/2018 16:00	67.40	6350	78	1.20
12/21/2018 17:00	66.30	6230	99	1.60
12/21/2018 18:00	66.70	5516	108	2.00
12/21/2018 19:00	68.60	4206	71	1.70
12/21/2018 20:00	69.70	3202	34	1.10
12/21/2018 21:00	69.80	2696	22	0.80
12/21/2018 22:00	68.70	2186	20	0.90
12/21/2018 23:00	69.40	1440	3	0.20
12/22/2018 0:00	69.70	874	1	0.10
12/22/2018 1:00	69.30	641	2	0.30
12/22/2018 2:00	69.40	531	6	1.10
12/22/2018 3:00	69.30	522	2	0.40
12/22/2018 4:00	69.70	727	2	0.30
12/22/2018 5:00	69.00	1338	11	0.80
12/22/2018 6:00	69.40	2541	21	0.80
12/22/2018 7:00	69.50	3497	38	1.10
12/22/2018 8:00	68.80	4996	54	1.10
12/22/2018 9:00	68.70	6149	82	1.30
12/22/2018 10:00	67.30	6469	96	1.50
12/22/2018 11:00	67.10	6826	86	1.30
12/22/2018 12:00	66.60	6382	87	1.40
12/22/2018 13:00	67.10	6521	84	1.30
12/22/2018 14:00	67.90	5957	92	1.50
12/22/2018 15:00	67.70	5930	89	1.50
12/22/2018 16:00	67.80	5856	76	1.30
12/22/2018 17:00	67.10	5464	79	1.40
12/22/2018 18:00	66.30	5607	91	1.60
12/22/2018 19:00	68.70	3869	49	1.30
12/22/2018 20:00	68.90	3295	41	1.20
12/22/2018 21:00	69.90	2651	18	0.70
12/22/2018 22:00	70.00	2276	13	0.60
12/22/2018 23:00	70.10	1474	4	0.30
12/23/2018 0:00	69.80	947	0	0.00
12/23/2018 1:00	69.60	623	3	0.50
12/23/2018 2:00	69.90	485	1	0.20
12/23/2018 3:00	69.70	419	1	0.20
12/23/2018 4:00	69.40	587	1	0.20
12/23/2018 5:00	69.50	1075	0	0.00
12/23/2018 6:00	69.70	1696	3	0.20

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/23/2018 7:00	69.90	2449	9	0.40
12/23/2018 8:00	69.80	3773	23	0.60
12/23/2018 9:00	68.30	5217	55	1.10
12/23/2018 10:00	67.80	5999	79	1.30
12/23/2018 11:00	67.90	6075	64	1.10
12/23/2018 12:00	66.80	6089	83	1.40
12/23/2018 13:00	67.50	5954	61	1.00
12/23/2018 14:00	67.70	5416	63	1.20
12/23/2018 15:00	67.80	5441	70	1.30
12/23/2018 16:00	67.70	5122	53	1.00
12/23/2018 17:00	66.10	4820	45	0.90
12/23/2018 18:00	67.10	4106	43	1.00
12/23/2018 19:00	68.70	3309	31	0.90
12/23/2018 20:00	68.80	2616	23	0.90
12/23/2018 21:00	69.20	2267	10	0.40
12/23/2018 22:00	69.30	1701	2	0.10
12/23/2018 23:00	69.60	1088	2	0.20
12/24/2018 0:00	69.40	635	2	0.30
12/24/2018 1:00	69.70	451	1	0.20
12/24/2018 2:00	69.30	346	4	1.20
12/24/2018 3:00	69.50	407	0	0.00
12/24/2018 4:00	69.50	776	1	0.10
12/24/2018 5:00	70.80	1911	9	0.50
12/24/2018 6:00	68.70	3407	27	0.80
12/24/2018 7:00	68.70	3974	40	1.00
12/24/2018 8:00	68.80	4589	45	1.00
12/24/2018 9:00	68.70	5121	68	1.30
12/24/2018 10:00	68.00	5554	88	1.60
12/24/2018 11:00	68.10	5496	84	1.50
12/24/2018 12:00	68.80	5389	62	1.20
12/24/2018 13:00	69.40	5101	66	1.30
12/24/2018 14:00	69.40	4906	72	1.50
12/24/2018 15:00	68.70	5036	48	1.00
12/24/2018 16:00	68.40	4587	43	0.90
12/24/2018 17:00	66.80	4153	46	1.10
12/24/2018 18:00	67.10	3193	23	0.70
12/24/2018 19:00	69.10	2570	26	1.00
12/24/2018 20:00	69.40	2498	11	0.40
12/24/2018 21:00	69.80	2542	11	0.40
12/24/2018 22:00	70.10	1933	5	0.30
12/24/2018 23:00	69.80	1217	3	0.20
12/25/2018 0:00	69.50	694	2	0.30
12/25/2018 1:00	69.30	464	0	0.00
12/25/2018 2:00	69.30	278	0	0.00
12/25/2018 3:00	70.10	243	0	0.00
12/25/2018 4:00	70.20	317	0	0.00
12/25/2018 5:00	70.00	618	0	0.00
12/25/2018 6:00	70.30	995	1	0.10
12/25/2018 7:00	69.70	1084	4	0.40
12/25/2018 8:00	68.90	1536	6	0.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/25/2018 9:00	63.90	2013	8	0.40
12/25/2018 10:00	64.20	2515	3	0.10
12/25/2018 11:00	67.30	2862	17	0.60
12/25/2018 12:00	65.80	3134	19	0.60
12/25/2018 13:00	68.30	3375	15	0.40
12/25/2018 14:00	68.40	3293	11	0.30
12/25/2018 15:00	69.70	3234	15	0.50
12/25/2018 16:00	69.50	3179	12	0.40
12/25/2018 17:00	67.80	3141	20	0.60
12/25/2018 18:00	67.30	3160	20	0.60
12/25/2018 19:00	68.60	3071	16	0.50
12/25/2018 20:00	69.40	2862	11	0.40
12/25/2018 21:00	70.30	2131	9	0.40
12/25/2018 22:00	70.40	1642	3	0.20
12/25/2018 23:00	70.20	889	3	0.30
12/26/2018 0:00	70.00	534	0	0.00
12/26/2018 1:00	69.80	316	0	0.00
12/26/2018 2:00	69.50	275	2	0.70
12/26/2018 3:00	69.30	432	6	1.40
12/26/2018 4:00	69.80	1085	5	0.50
12/26/2018 5:00	71.10	3232	20	0.60
12/26/2018 6:00	67.50	5897	73	1.20
12/26/2018 7:00	67.90	5966	92	1.50
12/26/2018 8:00	68.10	5647	86	1.50
12/26/2018 9:00	68.60	5860	69	1.20
12/26/2018 10:00	68.50	6099	95	1.60
12/26/2018 11:00	68.10	6037	105	1.70
12/26/2018 12:00	68.40	6148	123	2.00
12/26/2018 13:00	68.20	5957	104	1.70
12/26/2018 14:00	69.20	5785	76	1.30
12/26/2018 15:00	68.90	5692	85	1.50
12/26/2018 16:00	68.00	5660	60	1.10
12/26/2018 17:00	67.20	5536	87	1.60
12/26/2018 18:00	68.10	4340	52	1.20
12/26/2018 19:00	70.20	3189	32	1.00
12/26/2018 20:00	69.90	2525	18	0.70
12/26/2018 21:00	69.90	1919	6	0.30
12/26/2018 22:00	70.20	1458	2	0.10
12/26/2018 23:00	69.80	971	2	0.20
12/27/2018 0:00	69.70	573	1	0.20
12/27/2018 1:00	69.80	379	0	0.00
12/27/2018 2:00	69.50	335	0	0.00
12/27/2018 3:00	69.00	466	3	0.60
12/27/2018 4:00	70.00	1153	1	0.10
12/27/2018 5:00	70.90	3395	22	0.60
12/27/2018 6:00	66.80	6657	110	1.70
12/27/2018 7:00	67.40	6774	114	1.70
12/27/2018 8:00	67.90	6410	113	1.80
12/27/2018 9:00	68.30	6601	132	2.00
12/27/2018 10:00	67.80	6433	107	1.70

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
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Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/27/2018 11:00	67.00	6472	93	1.40
12/27/2018 12:00	67.70	6217	109	1.80
12/27/2018 13:00	68.00	6116	96	1.60
12/27/2018 14:00	68.10	5961	115	1.90
12/27/2018 15:00	68.20	5816	84	1.40
12/27/2018 16:00	68.20	5751	63	1.10
12/27/2018 17:00	67.30	5830	77	1.30
12/27/2018 18:00	67.60	4688	61	1.30
12/27/2018 19:00	68.50	3453	49	1.40
12/27/2018 20:00	69.60	2558	24	0.90
12/27/2018 21:00	70.00	2064	11	0.50
12/27/2018 22:00	69.90	1539	4	0.30
12/27/2018 23:00	69.70	1023	4	0.40
12/28/2018 0:00	69.80	595	0	0.00
12/28/2018 1:00	69.30	414	5	1.20
12/28/2018 2:00	69.30	316	2	0.60
12/28/2018 3:00	68.80	491	9	1.80
12/28/2018 4:00	69.30	1125	6	0.50
12/28/2018 5:00	70.80	3322	22	0.70
12/28/2018 6:00	67.40	6312	109	1.70
12/28/2018 7:00	67.00	6633	147	2.20
12/28/2018 8:00	67.80	6539	130	2.00
12/28/2018 9:00	67.50	6701	116	1.70
12/28/2018 10:00	67.60	6678	128	1.90
12/28/2018 11:00	68.20	6712	127	1.90
12/28/2018 12:00	67.80	6853	119	1.70
12/28/2018 13:00	68.20	6367	111	1.70
12/28/2018 14:00	68.40	6164	86	1.40
12/28/2018 15:00	68.70	6033	82	1.40
12/28/2018 16:00	68.00	5834	75	1.30
12/28/2018 17:00	67.60	5787	98	1.70
12/28/2018 18:00	67.40	4723	61	1.30
12/28/2018 19:00	68.40	3741	36	1.00
12/28/2018 20:00	70.20	2893	27	0.90
12/28/2018 21:00	70.20	2379	20	0.80
12/28/2018 22:00	70.50	1840	5	0.30
12/28/2018 23:00	69.60	1261	2	0.20
12/29/2018 0:00	69.40	801	6	0.70
12/29/2018 1:00	69.60	577	1	0.20
12/29/2018 2:00	69.60	478	1	0.20
12/29/2018 3:00	69.50	420	2	0.50
12/29/2018 4:00	69.30	638	7	1.10
12/29/2018 5:00	69.30	1230	12	1.00
12/29/2018 6:00	69.10	2169	24	1.10
12/29/2018 7:00	70.00	3034	26	0.90
12/29/2018 8:00	70.00	4176	59	1.40
12/29/2018 9:00	69.00	5464	69	1.30
12/29/2018 10:00	68.20	5994	75	1.30
12/29/2018 11:00	67.60	6215	76	1.20
12/29/2018 12:00	67.70	6311	91	1.40

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623  
 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/29/2018 13:00	68.00	6058	87	1.40
12/29/2018 14:00	68.90	5825	84	1.40
12/29/2018 15:00	69.40	5671	85	1.50
12/29/2018 16:00	68.80	5567	80	1.40
12/29/2018 17:00	67.50	5051	55	1.10
12/29/2018 18:00	67.20	4866	51	1.00
12/29/2018 19:00	68.50	4000	73	1.80
12/29/2018 20:00	70.00	2851	22	0.80
12/29/2018 21:00	70.30	2400	8	0.30
12/29/2018 22:00	70.20	2018	6	0.30
12/29/2018 23:00	69.90	1242	3	0.20
12/30/2018 0:00	69.90	866	0	0.00
12/30/2018 1:00	69.60	590	0	0.00
12/30/2018 2:00	69.60	416	0	0.00
12/30/2018 3:00	69.70	358	1	0.30
12/30/2018 4:00	69.80	551	0	0.00
12/30/2018 5:00	69.90	1004	2	0.20
12/30/2018 6:00	69.70	1564	7	0.40
12/30/2018 7:00	69.30	2045	11	0.50
12/30/2018 8:00	69.60	3188	19	0.60
12/30/2018 9:00	68.90	4548	49	1.10
12/30/2018 10:00	67.50	5580	57	1.00
12/30/2018 11:00	68.00	5875	57	1.00
12/30/2018 12:00	67.70	5967	72	1.20
12/30/2018 13:00	67.90	5825	53	0.90
12/30/2018 14:00	67.60	5490	49	0.90
12/30/2018 15:00	68.20	5223	46	0.90
12/30/2018 16:00	67.30	5090	63	1.20
12/30/2018 17:00	65.90	4687	42	0.90
12/30/2018 18:00	67.60	3878	39	1.00
12/30/2018 19:00	69.20	2968	23	0.80
12/30/2018 20:00	69.20	2423	21	0.90
12/30/2018 21:00	69.60	2046	8	0.40
12/30/2018 22:00	69.60	1508	4	0.30
12/30/2018 23:00	69.60	973	0	0.00
12/31/2018 0:00	69.70	593	4	0.70
12/31/2018 1:00	69.40	393	0	0.00
12/31/2018 2:00	69.50	308	0	0.00
12/31/2018 3:00	69.30	384	2	0.50
12/31/2018 4:00	69.50	885	2	0.20
12/31/2018 5:00	70.00	2278	10	0.40
12/31/2018 6:00	68.80	4327	60	1.40
12/31/2018 7:00	68.00	4878	66	1.40
12/31/2018 8:00	68.00	5046	60	1.20
12/31/2018 9:00	67.70	5322	75	1.40
12/31/2018 10:00	65.90	5447	96	1.80
12/31/2018 11:00	66.80	5815	107	1.80
12/31/2018 12:00	65.80	5653	122	2.20
12/31/2018 13:00	62.50	5427	122	2.20
12/31/2018 14:00	65.60	4889	65	1.30

Table A-2-4. Hourly Variation in Speed and Truck Proportion at CalTrans PeMS Station 1122623 Located on Westbound I-8 Freeway  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Hour	Speed (mph)	Flow (Veh/Hour)	Truck Flow (Veh/Hour)	Truck Proportion (%)
12/31/2018 15:00	66.90	5019	64	1.30
12/31/2018 16:00	66.60	4592	53	1.20
12/31/2018 17:00	56.10	3964	69	1.70
12/31/2018 18:00	60.50	3697	47	1.30
12/31/2018 19:00	64.80	3069	39	1.30
12/31/2018 20:00	62.60	2745	54	2.00
12/31/2018 21:00	66.90	2291	18	0.80
12/31/2018 22:00	69.30	1749	8	0.50
12/31/2018 23:00	70.10	1255	1	0.10

Notes:

Data obtained from CalTrans PeMS 18.0. Available at:  
[http://pems.dot.ca.gov/?report\\_form=1&dnodes=VDS&content=loops&tab=det\\_timeseries&station\\_id=1122623&s\\_time\\_id=1538352000&s\\_time\\_id\\_f=10%2F01%2F2018+00%3A00&e\\_time\\_id=1546300740&e\\_time\\_id\\_f=12%2F31%2F2018+23%3A59&tod=all&tod\\_from=0&tod\\_to=0&dow\\_0=on&dow\\_1=on&dow\\_2=on&dow\\_3=on&dow\\_4=on&dow\\_5=on&dow\\_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on](http://pems.dot.ca.gov/?report_form=1&dnodes=VDS&content=loops&tab=det_timeseries&station_id=1122623&s_time_id=1538352000&s_time_id_f=10%2F01%2F2018+00%3A00&e_time_id=1546300740&e_time_id_f=12%2F31%2F2018+23%3A59&tod=all&tod_from=0&tod_to=0&dow_0=on&dow_1=on&dow_2=on&dow_3=on&dow_4=on&dow_5=on&dow_6=on&holidays=on&q=speed&q2=flow&gn=hour&agg=on)  
 Accessed: January 2019.

Abbreviations:

- % - percent
- mph - miles per hour
- SDSU - San Diego State University
- Veh - vehicle



Table A-3-1. EMFAC2017 Output for Vehicle Miles Traveled in San Diego County during Calendar Year 2037  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SAN DIEGO

Calendar Year: 2037

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT

Region	CalYr	VehClass	Model Year	Speed	Fuel	VMT
San Diego (SD)	2037	HHDT	Aggregated	Aggregated	Gas	2,520
San Diego (SD)	2037	HHDT	Aggregated	Aggregated	Dsl	2,342,202
San Diego (SD)	2037	HHDT	Aggregated	Aggregated	NG	99,472
San Diego (SD)	2037	LDA	Aggregated	Aggregated	Gas	60,724,590
San Diego (SD)	2037	LDA	Aggregated	Aggregated	Dsl	754,643
San Diego (SD)	2037	LDA	Aggregated	Aggregated	Elec	3,954,874
San Diego (SD)	2037	LDT1	Aggregated	Aggregated	Gas	6,210,733
San Diego (SD)	2037	LDT1	Aggregated	Aggregated	Dsl	859
San Diego (SD)	2037	LDT1	Aggregated	Aggregated	Elec	230,811
San Diego (SD)	2037	LDT2	Aggregated	Aggregated	Gas	17,337,185
San Diego (SD)	2037	LDT2	Aggregated	Aggregated	Dsl	175,889
San Diego (SD)	2037	LDT2	Aggregated	Aggregated	Elec	543,166
San Diego (SD)	2037	LHDT1	Aggregated	Aggregated	Gas	1,193,710
San Diego (SD)	2037	LHDT1	Aggregated	Aggregated	Dsl	1,363,414
San Diego (SD)	2037	LHDT2	Aggregated	Aggregated	Gas	206,977
San Diego (SD)	2037	LHDT2	Aggregated	Aggregated	Dsl	532,332
San Diego (SD)	2037	MCY	Aggregated	Aggregated	Gas	604,984
San Diego (SD)	2037	MDV	Aggregated	Aggregated	Gas	11,092,140
San Diego (SD)	2037	MDV	Aggregated	Aggregated	Dsl	397,754
San Diego (SD)	2037	MDV	Aggregated	Aggregated	Elec	389,364
San Diego (SD)	2037	MH	Aggregated	Aggregated	Gas	67,860
San Diego (SD)	2037	MH	Aggregated	Aggregated	Dsl	31,514
San Diego (SD)	2037	MHDT	Aggregated	Aggregated	Gas	269,481
San Diego (SD)	2037	MHDT	Aggregated	Aggregated	Dsl	1,594,490
San Diego (SD)	2037	MHDT	Aggregated	Aggregated	NG	1,894
San Diego (SD)	2037	OBUS	Aggregated	Aggregated	Gas	57,011
San Diego (SD)	2037	OBUS	Aggregated	Aggregated	Dsl	56,140
San Diego (SD)	2037	OBUS	Aggregated	Aggregated	NG	4,719
San Diego (SD)	2037	SBUS	Aggregated	Aggregated	Gas	33,104
San Diego (SD)	2037	SBUS	Aggregated	Aggregated	Dsl	59,305
San Diego (SD)	2037	SBUS	Aggregated	Aggregated	NG	179
San Diego (SD)	2037	UBUS	Aggregated	Aggregated	Gas	62,107
San Diego (SD)	2037	UBUS	Aggregated	Aggregated	Dsl	0
San Diego (SD)	2037	UBUS	Aggregated	Aggregated	NG	178,257

Abbreviations:

CalYr - calendar year

CARB - California Air Resources Board

DSL - diesel

ELEC - electric

EMFAC - CARB's mobile source emission inventory model

g - grams

GAS - gasoline

HHDT - heavy-heavy duty truck

LDA - passenger car

LDT1 - light duty trucks (0-3750 pounds)

LDT2- light duty trucks (3751-5750 pounds)

MCY - motorcycle

MDV - medium duty trucks (5751-8500 pounds)

MH - motor homes

OBUS - other buses

SBUS - school bus

SDSU - San Diego State University

UBUS - urban bus

VMT - vehicle miles travelled

Table A-3-2. EMFAC2017 Output for PM<sub>10</sub> Running Exhaust Emission Rates in San Diego County during Calendar Year 2037

SDSU Mission Valley Campus Master Plan Project  
San Diego, California

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: SAN DIEGO

Calendar Year: 2037

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: g/mile for RUNEX

Region	CalYr	VehClass	Model Year	Speed	Fuel	PM10_RUNEX
SAN DIEGO	2037	HHDT	Aggregated	50	Dsl	0.017088651
SAN DIEGO	2037	HHDT	Aggregated	50	Gas	0.000818294
SAN DIEGO	2037	HHDT	Aggregated	50	NG	0.002430876
SAN DIEGO	2037	HHDT	Aggregated	55	Dsl	0.021777689
SAN DIEGO	2037	HHDT	Aggregated	55	Gas	0.000833315
SAN DIEGO	2037	HHDT	Aggregated	55	NG	0.002355673
SAN DIEGO	2037	HHDT	Aggregated	60	Dsl	0.027288984
SAN DIEGO	2037	HHDT	Aggregated	60	Gas	0.000895248
SAN DIEGO	2037	HHDT	Aggregated	60	NG	0.002332218
SAN DIEGO	2037	HHDT	Aggregated	65	Dsl	0.033618762
SAN DIEGO	2037	HHDT	Aggregated	65	Gas	0.001014642
SAN DIEGO	2037	HHDT	Aggregated	65	NG	0.002332218
SAN DIEGO	2037	HHDT	Aggregated	70	Dsl	0.033618762
SAN DIEGO	2037	HHDT	Aggregated	70	Gas	0.001102074
SAN DIEGO	2037	HHDT	Aggregated	70	NG	0.002332218
SAN DIEGO	2037	LDA	Aggregated	50	Dsl	0.000840014
SAN DIEGO	2037	LDA	Aggregated	50	Gas	0.000460971
SAN DIEGO	2037	LDA	Aggregated	55	Dsl	0.000793815
SAN DIEGO	2037	LDA	Aggregated	55	Gas	0.00046942
SAN DIEGO	2037	LDA	Aggregated	60	Dsl	0.000775504
SAN DIEGO	2037	LDA	Aggregated	60	Gas	0.000504291
SAN DIEGO	2037	LDA	Aggregated	65	Dsl	0.000780241
SAN DIEGO	2037	LDA	Aggregated	65	Gas	0.000571522
SAN DIEGO	2037	LDA	Aggregated	70	Dsl	0.000783544
SAN DIEGO	2037	LDA	Aggregated	70	Gas	0.000620756
SAN DIEGO	2037	LDT1	Aggregated	50	Dsl	0.004756392
SAN DIEGO	2037	LDT1	Aggregated	50	Gas	0.000547809
SAN DIEGO	2037	LDT1	Aggregated	55	Dsl	0.004611171
SAN DIEGO	2037	LDT1	Aggregated	55	Gas	0.000557559
SAN DIEGO	2037	LDT1	Aggregated	60	Dsl	0.004646589
SAN DIEGO	2037	LDT1	Aggregated	60	Gas	0.000598567
SAN DIEGO	2037	LDT1	Aggregated	65	Dsl	0.004858727
SAN DIEGO	2037	LDT1	Aggregated	65	Gas	0.000677822
SAN DIEGO	2037	LDT1	Aggregated	70	Dsl	0.005006635
SAN DIEGO	2037	LDT1	Aggregated	70	Gas	0.000735893
SAN DIEGO	2037	LDT2	Aggregated	50	Dsl	0.003546536
SAN DIEGO	2037	LDT2	Aggregated	50	Gas	0.000495392
SAN DIEGO	2037	LDT2	Aggregated	55	Dsl	0.003340374
SAN DIEGO	2037	LDT2	Aggregated	55	Gas	0.000504342
SAN DIEGO	2037	LDT2	Aggregated	60	Dsl	0.003249786
SAN DIEGO	2037	LDT2	Aggregated	60	Gas	0.000541624
SAN DIEGO	2037	LDT2	Aggregated	65	Dsl	0.003252089

Table A-3-2. EMFAC2017 Output for PM<sub>10</sub> Running Exhaust Emission Rates in San Diego County during Calendar Year 2037

SDSU Mission Valley Campus Master Plan Project  
San Diego, California

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: SAN DIEGO

Calendar Year: 2037

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: g/mile for RUNEX

Region	CalYr	VehClass	Model Year	Speed	Fuel	PM10_RUNEX
SAN DIEGO	2037	LDT2	Aggregated	65	Gas	0.000613588
SAN DIEGO	2037	LDT2	Aggregated	70	Dsl	0.003253695
SAN DIEGO	2037	LDT2	Aggregated	70	Gas	0.000666303
SAN DIEGO	2037	LHDT1	Aggregated	50	Dsl	0.006373646
SAN DIEGO	2037	LHDT1	Aggregated	50	Gas	0.000817481
SAN DIEGO	2037	LHDT1	Aggregated	55	Dsl	0.00613201
SAN DIEGO	2037	LHDT1	Aggregated	55	Gas	0.000832488
SAN DIEGO	2037	LHDT1	Aggregated	60	Dsl	0.006123245
SAN DIEGO	2037	LHDT1	Aggregated	60	Gas	0.000894359
SAN DIEGO	2037	LHDT1	Aggregated	65	Dsl	0.006332606
SAN DIEGO	2037	LHDT1	Aggregated	65	Gas	0.001013635
SAN DIEGO	2037	LHDT1	Aggregated	70	Dsl	0.006478576
SAN DIEGO	2037	LHDT1	Aggregated	70	Gas	0.00110098
SAN DIEGO	2037	LHDT2	Aggregated	50	Dsl	0.011489966
SAN DIEGO	2037	LHDT2	Aggregated	50	Gas	0.000796817
SAN DIEGO	2037	LHDT2	Aggregated	55	Dsl	0.010950126
SAN DIEGO	2037	LHDT2	Aggregated	55	Gas	0.000811445
SAN DIEGO	2037	LHDT2	Aggregated	60	Dsl	0.010809732
SAN DIEGO	2037	LHDT2	Aggregated	60	Gas	0.000871752
SAN DIEGO	2037	LHDT2	Aggregated	65	Dsl	0.011021157
SAN DIEGO	2037	LHDT2	Aggregated	65	Gas	0.000988013
SAN DIEGO	2037	LHDT2	Aggregated	70	Dsl	0.011168567
SAN DIEGO	2037	LHDT2	Aggregated	70	Gas	0.00107315
SAN DIEGO	2037	MCY	Aggregated	50	Gas	0.001695437
SAN DIEGO	2037	MCY	Aggregated	55	Gas	0.001743126
SAN DIEGO	2037	MCY	Aggregated	60	Gas	0.001885675
SAN DIEGO	2037	MCY	Aggregated	65	Gas	0.002146098
SAN DIEGO	2037	MCY	Aggregated	70	Gas	0.002333437
SAN DIEGO	2037	MDV	Aggregated	50	Dsl	0.001025846
SAN DIEGO	2037	MDV	Aggregated	50	Gas	0.000498412
SAN DIEGO	2037	MDV	Aggregated	55	Dsl	0.000969526
SAN DIEGO	2037	MDV	Aggregated	55	Gas	0.000507414
SAN DIEGO	2037	MDV	Aggregated	60	Dsl	0.000947282
SAN DIEGO	2037	MDV	Aggregated	60	Gas	0.000544921
SAN DIEGO	2037	MDV	Aggregated	65	Dsl	0.000953224
SAN DIEGO	2037	MDV	Aggregated	65	Gas	0.000617321
SAN DIEGO	2037	MDV	Aggregated	70	Dsl	0.000957367
SAN DIEGO	2037	MDV	Aggregated	70	Gas	0.000670355
SAN DIEGO	2037	MH	Aggregated	50	Dsl	0.043966002
SAN DIEGO	2037	MH	Aggregated	50	Gas	0.000789401
SAN DIEGO	2037	MH	Aggregated	55	Dsl	0.048190632
SAN DIEGO	2037	MH	Aggregated	55	Gas	0.000803892

Table A-3-2. EMFAC2017 Output for PM<sub>10</sub> Running Exhaust Emission Rates in San Diego County during Calendar Year 2037

SDSU Mission Valley Campus Master Plan Project  
San Diego, California

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: SAN DIEGO

Calendar Year: 2037

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: g/mile for RUNEX

Region	CalYr	VehClass	Model Year	Speed	Fuel	PM10_RUNEX
SAN DIEGO	2037	MH	Aggregated	60	Dsl	0.0542108
SAN DIEGO	2037	MH	Aggregated	60	Gas	0.000863638
SAN DIEGO	2037	MH	Aggregated	65	Dsl	0.061957566
SAN DIEGO	2037	MH	Aggregated	65	Gas	0.000978817
SAN DIEGO	2037	MH	Aggregated	70	Dsl	0.071153887
SAN DIEGO	2037	MH	Aggregated	70	Gas	0.001063162
SAN DIEGO	2037	MHDT	Aggregated	50	Dsl	0.007798474
SAN DIEGO	2037	MHDT	Aggregated	50	Gas	0.000819535
SAN DIEGO	2037	MHDT	Aggregated	55	Dsl	0.009936386
SAN DIEGO	2037	MHDT	Aggregated	55	Gas	0.00083458
SAN DIEGO	2037	MHDT	Aggregated	60	Dsl	0.012448712
SAN DIEGO	2037	MHDT	Aggregated	60	Gas	0.000896607
SAN DIEGO	2037	MHDT	Aggregated	65	Dsl	0.015333079
SAN DIEGO	2037	MHDT	Aggregated	65	Gas	0.001016182
SAN DIEGO	2037	MHDT	Aggregated	70	Dsl	0.015333079
SAN DIEGO	2037	MHDT	Aggregated	70	Gas	0.001103747
SAN DIEGO	2037	OBUS	Aggregated	50	Dsl	0.012571994
SAN DIEGO	2037	OBUS	Aggregated	50	Gas	0.000811129
SAN DIEGO	2037	OBUS	Aggregated	55	Dsl	0.016035598
SAN DIEGO	2037	OBUS	Aggregated	55	Gas	0.000826019
SAN DIEGO	2037	OBUS	Aggregated	60	Dsl	0.020111446
SAN DIEGO	2037	OBUS	Aggregated	60	Gas	0.00088741
SAN DIEGO	2037	OBUS	Aggregated	65	Dsl	0.024799538
SAN DIEGO	2037	OBUS	Aggregated	65	Gas	0.001005759
SAN DIEGO	2037	OBUS	Aggregated	70	Dsl	0.024799538
SAN DIEGO	2037	OBUS	Aggregated	70	Gas	0.001092425
SAN DIEGO	2037	SBUS	Aggregated	50	Dsl	0.013015108
SAN DIEGO	2037	SBUS	Aggregated	50	Gas	0.000815809
SAN DIEGO	2037	SBUS	Aggregated	55	Dsl	0.015475879
SAN DIEGO	2037	SBUS	Aggregated	55	Gas	0.000830785
SAN DIEGO	2037	SBUS	Aggregated	60	Dsl	0.018153424
SAN DIEGO	2037	SBUS	Aggregated	60	Gas	0.00089253
SAN DIEGO	2037	SBUS	Aggregated	65	Dsl	0.020933517
SAN DIEGO	2037	SBUS	Aggregated	65	Gas	0.001011562
SAN DIEGO	2037	SBUS	Aggregated	70	Dsl	0.020933517
SAN DIEGO	2037	SBUS	Aggregated	70	Gas	0.001098728
SAN DIEGO	2037	UBUS	Aggregated	50	Dsl	
SAN DIEGO	2037	UBUS	Aggregated	50	Gas	0.000827511
SAN DIEGO	2037	UBUS	Aggregated	50	NG	0.00109007
SAN DIEGO	2037	UBUS	Aggregated	55	Dsl	
SAN DIEGO	2037	UBUS	Aggregated	55	Gas	0.000842701
SAN DIEGO	2037	UBUS	Aggregated	55	NG	0.001201968

Table A-3-2. EMFAC2017 Output for PM<sub>10</sub> Running Exhaust Emission Rates in San Diego County during Calendar Year 2037

SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: SAN DIEGO

Calendar Year: 2037

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: g/mile for RUNEX

Region	CalYr	VehClass	Model Year	Speed	Fuel	PM10_RUNEX
SAN DIEGO	2037	UBUS	Aggregated	60	Dsl	
SAN DIEGO	2037	UBUS	Aggregated	60	Gas	0.000905332
SAN DIEGO	2037	UBUS	Aggregated	60	NG	0.001457448
SAN DIEGO	2037	UBUS	Aggregated	65	Dsl	
SAN DIEGO	2037	UBUS	Aggregated	65	Gas	0.001026071
SAN DIEGO	2037	UBUS	Aggregated	65	NG	0.00185651
SAN DIEGO	2037	UBUS	Aggregated	70	Dsl	
SAN DIEGO	2037	UBUS	Aggregated	70	Gas	0.001114488
SAN DIEGO	2037	UBUS	Aggregated	70	NG	0.002399153

Abbreviations:

CalYr - calendar year

CARB - California Air Resources Board

DSL - diesel

ELEC - electric

EMFAC - CARB's mobile source emission inventory model

g - grams

GAS - gasoline

HHDT - heavy-heavy duty truck

LDA - passenger car

LDT1 - light duty trucks (0-3750 pounds)

LDT2- light duty trucks (3751-5750 pounds)

MCY - motorcycle

MDV - medium duty trucks (5751-8500 pounds)

MH - motor homes

OBUS - other buses

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SBUS - school bus

SDSU - San Diego State University

UBUS - urban bus

Table A-4-1. Estimation of DPM Running Exhaust Emission Factors for Trucks in Calendar Year 2037  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC Vehicle Class	Fuel	Vehicle Miles Travelled in 2037 <sup>1</sup>	Diesel Particulate Matter Emission Factors in Calendar Year 2037 <sup>2</sup>						
			50 mph	55 mph	57 mph <sup>3</sup>	58 mph <sup>3</sup>	60 mph	62 mph <sup>3</sup>	63 mph <sup>3</sup>
LHDT1	GAS	1,193,710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LHDT1	DSL	1,363,414	0.0064	0.0061	0.0061	0.0061	0.0061	0.0062	0.0062
LHDT2	GAS	206,977	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LHDT2	DSL	532,332	0.0115	0.0110	0.0109	0.0109	0.0108	0.0109	0.0109
MHDT	GAS	269,481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MHDT	DSL	1,594,490	0.0078	0.0099	0.0109	0.0114	0.0124	0.0136	0.0142
HHDT	GAS	2,520	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HHDT	DSL	2,342,202	0.0171	0.0218	0.0240	0.0251	0.0273	0.0298	0.0311
HHDT	NG	99,472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Truck Emission Factors <sup>4</sup>			0.0088	0.0107	0.0115	0.0120	0.0129	0.0139	0.0144

Table A-4-1. Estimation of DPM Running Exhaust Emission Factors for Trucks in Calendar Year 2037  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC Vehicle Class	Fuel	Vehicle Miles Travelled in 2037 <sup>1</sup>	Diesel Particulate Matter Emission Factors in Calendar Year 2037 <sup>2</sup>						
			64 mph <sup>3</sup>	65 mph	66 mph <sup>3</sup>	67 mph <sup>3</sup>	68 mph <sup>3</sup>	69 mph <sup>3</sup>	70 mph
LHDT1	GAS	1,193,710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LHDT1	DSL	1,363,414	0.0063	0.0063	0.0064	0.0064	0.0064	0.0064	0.0065
LHDT2	GAS	206,977	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LHDT2	DSL	532,332	0.0110	0.0110	0.0111	0.0111	0.0111	0.0111	0.0112
MHDT	GAS	269,481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MHDT	DSL	1,594,490	0.0148	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153
HHDT	GAS	2,520	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HHDT	DSL	2,342,202	0.0324	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336
HHDT	NG	99,472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Truck Emission Factors <sup>4</sup>			0.0150	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155

Notes:

<sup>1</sup> Data obtained from Table A-3-1.

<sup>2</sup> For purposes of this analysis, diesel particulate matter emissions are assumed to be equal to PM<sub>10</sub> running exhaust emissions from diesel vehicles. Therefore, emission factors for the gasoline vehicles are set to zero. For diesel vehicles, emission factors for each combination of vehicle class, speed, and calendar year are obtained from Table A-3-2.

<sup>3</sup> Emission factors for speeds that are not multiples of 5 mph are interpolated between the emission factors of the closest 5 mph increments.

<sup>4</sup> Truck emission factors are calculated as a VMT-weighted average across all EMFAC truck vehicle classes.

Abbreviations:

CARB - California Air Resources Board

DPM - diesel particulate matter

DSL - diesel

EMFAC - CARB's mobile source emission inventory model

GAS - gasoline

HHDT - heavy-heavy duty truck

LHDT1 - light-heavy duty trucks (8501-10000 pounds)

LHDT2 - light-heavy duty trucks (10001-14000 pounds)

MHDT - medium-heavy duty truck

mph - miles per hour

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SDSU - San Diego State University

VMT - vehicle miles travelled

Table A-4-2. Estimation of DPM Running Exhaust Emission Factors for Non-Truck Vehicles in Calendar Year 2037  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC Vehicle Class	Fuel	Vehicle Miles Travelled in 2037 <sup>1</sup>	Diesel Particulate Matter Emission Factors in Calendar Year 2037 <sup>2</sup>						
			50 mph	55 mph	57 mph <sup>3</sup>	58 mph <sup>3</sup>	60 mph	62 mph <sup>3</sup>	63 mph <sup>3</sup>
LDA	GAS	60,724,590	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDA	DSL	754,643	0.00084	0.00079	0.00079	0.00078	0.00078	0.00078	0.00078
LDA	ELEC	3,954,874	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT1	GAS	6,210,733	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT1	DSL	859	0.00476	0.00461	0.00463	0.00463	0.00465	0.00473	0.00477
LDT1	ELEC	230,811	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT2	GAS	17,337,185	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT2	DSL	175,889	0.00355	0.00334	0.00330	0.00329	0.00325	0.00325	0.00325
LDT2	ELEC	543,166	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MCY	GAS	604,984	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MDV	GAS	11,092,140	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MDV	DSL	397,754	0.00103	0.00097	0.00096	0.00096	0.00095	0.00095	0.00095
MDV	ELEC	389,364	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MH	GAS	67,860	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MH	DSL	31,514	0.04397	0.04819	0.05060	0.05180	0.05421	0.05731	0.05886
OBUS	GAS	57,011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
OBUS	DSL	56,140	0.01257	0.01604	0.01767	0.01848	0.02011	0.02199	0.02292
SBUS	GAS	33,104	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
SBUS	DSL	59,305	0.01302	0.01548	0.01655	0.01708	0.01815	0.01927	0.01982
UBUS	GAS	62,107	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
UBUS	DSL	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
UBUS	NG	178,257	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Non-Truck Vehicle Emission Factors <sup>4</sup>			0.00004	0.00005	0.00005	0.00005	0.00005	0.00006	0.00006



Table A-4-2. Estimation of DPM Running Exhaust Emission Factors for Non-Truck Vehicles in Calendar Year 2037  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

EMFAC Vehicle Class	Fuel	Vehicle Miles Travelled in 2037 <sup>1</sup>	Diesel Particulate Matter Emission Factors in Calendar Year 2037 <sup>2</sup>						
			64 mph <sup>3</sup>	65 mph	66 mph <sup>3</sup>	67 mph <sup>3</sup>	68 mph <sup>3</sup>	69 mph <sup>3</sup>	70 mph
LDA	GAS	60,724,590	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDA	DSL	754,643	0.00078	0.00078	0.00078	0.00078	0.00078	0.00078	0.00078
LDA	ELEC	3,954,874	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT1	GAS	6,210,733	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT1	DSL	859	0.00482	0.00486	0.00489	0.00492	0.00495	0.00498	0.00501
LDT1	ELEC	230,811	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT2	GAS	17,337,185	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
LDT2	DSL	175,889	0.00325	0.00325	0.00325	0.00325	0.00325	0.00325	0.00325
LDT2	ELEC	543,166	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MCY	GAS	604,984	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MDV	GAS	11,092,140	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MDV	DSL	397,754	0.00095	0.00095	0.00095	0.00095	0.00096	0.00096	0.00096
MDV	ELEC	389,364	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MH	GAS	67,860	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
MH	DSL	31,514	0.06041	0.06196	0.06380	0.06564	0.06748	0.06931	0.07115
OBUS	GAS	57,011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
OBUS	DSL	56,140	0.02386	0.02480	0.02480	0.02480	0.02480	0.02480	0.02480
SBUS	GAS	33,104	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
SBUS	DSL	59,305	0.02038	0.02093	0.02093	0.02093	0.02093	0.02093	0.02093
UBUS	GAS	62,107	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
UBUS	DSL	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
UBUS	NG	178,257	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Non-Truck Vehicle Emission Factors <sup>4</sup>			0.00006	0.00006	0.00006	0.00006	0.00006	0.00006	0.00006

Notes:

<sup>1</sup> Data obtained from Table A-3-1.

<sup>2</sup> For purposes of this analysis, diesel particulate matter emissions are assumed to be equal to PM<sub>10</sub> running exhaust emissions from diesel vehicles. Therefore, emission factors for the gasoline vehicles are set to zero. For diesel vehicles, emission factors for each combination of vehicle class, speed, and calendar year are obtained from Table A-3-2.

<sup>3</sup> Emission factors for speeds that are not multiples of 5 mph are interpolated between the emission factors of the closest 5 mph increments.

<sup>4</sup> Non-truck emission factors are calculated as a VMT-weighted average across all EMFAC non-truck vehicle classes.

Abbreviations:

CARB - California Air Resources Board

DPM - diesel particulate matter

DSL - diesel

ELEC - electric

EMFAC - CARB's mobile source emission inventory model

GAS - gasoline

LDA - passenger car

LDT1 - light duty trucks (0-3750 pounds)

LDT2- light duty trucks (3751-5750 pounds)

MCY - motorcycle

MDV - medium duty trucks (5751-8500 pounds)

MH - motor homes

mph - miles per hour

OBUS - other buses

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SBUS - school bus

SDSU - San Diego State University

UBUS - urban bus

VMT - vehicle miles travelled

**APPENDIX B**  
**AERMOD MODELING FILES**

**APPENDIX C**  
**RISK RESULTS**

## List of Tables

- C-1 Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project
- C-2 Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario
- C-3 Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0005	487,990	3,625,737	1.68E-03	5.44E-06	Offsite	Worker
R0006	488,015	3,625,737	2.01E-02	5.41E-06	Offsite	Resident
R0007	488,040	3,625,737	2.02E-02	5.41E-06	Offsite	Resident
R0008	488,065	3,625,737	1.70E-03	5.50E-06	Offsite	Worker
R0009	488,090	3,625,737	1.73E-03	5.59E-06	Offsite	Worker
R0010	488,115	3,625,737	1.72E-03	5.57E-06	Offsite	Worker
R0017	487,990	3,625,762	1.75E-03	5.65E-06	Offsite	Worker
R0018	488,015	3,625,762	2.10E-02	5.65E-06	Offsite	Resident
R0019	488,040	3,625,762	1.78E-03	5.76E-06	Offsite	Worker
R0020	488,065	3,625,762	1.86E-03	6.00E-06	Offsite	Worker
R0021	488,090	3,625,762	1.90E-03	6.13E-06	Offsite	Worker
R0022	488,115	3,625,762	1.88E-03	6.07E-06	Offsite	Worker
R0023	488,140	3,625,762	1.81E-03	5.85E-06	Offsite	Worker
R0024	488,165	3,625,762	2.13E-02	5.71E-06	Offsite	Resident
R0025	488,190	3,625,762	2.13E-02	5.72E-06	Offsite	Resident
R0033	487,965	3,625,787	1.84E-03	5.93E-06	Offsite	Worker
R0035	488,015	3,625,787	1.85E-03	5.97E-06	Offsite	Worker
R0036	488,040	3,625,787	1.88E-03	6.08E-06	Offsite	Worker
R0037	488,065	3,625,787	2.00E-03	6.45E-06	Offsite	Worker
R0038	488,090	3,625,787	2.07E-03	6.70E-06	Offsite	Worker
R0039	488,115	3,625,787	2.00E-03	6.46E-06	Offsite	Worker
R0040	488,140	3,625,787	1.90E-03	6.13E-06	Offsite	Worker
R0041	488,165	3,625,787	1.86E-03	6.00E-06	Offsite	Worker
R0042	488,190	3,625,787	2.23E-02	6.01E-06	Offsite	Resident
R0043	488,215	3,625,787	2.24E-02	6.02E-06	Offsite	Resident
R0052	487,940	3,625,812	1.95E-03	6.29E-06	Offsite	Worker
R0053	487,965	3,625,812	1.92E-03	6.19E-06	Offsite	Worker
R0054	487,990	3,625,812	1.94E-03	6.26E-06	Offsite	Worker
R0055	488,015	3,625,812	2.00E-03	6.46E-06	Offsite	Worker
R0056	488,040	3,625,812	2.05E-03	6.63E-06	Offsite	Worker
R0057	488,065	3,625,812	2.23E-03	7.22E-06	Offsite	Worker
R0058	488,090	3,625,812	2.34E-03	7.58E-06	Offsite	Worker
R0059	488,115	3,625,812	2.13E-03	6.88E-06	Offsite	Worker
R0060	488,140	3,625,812	2.01E-03	6.51E-06	Offsite	Worker
R0061	488,165	3,625,812	1.99E-03	6.43E-06	Offsite	Worker
R0062	488,190	3,625,812	2.36E-02	6.33E-06	Offsite	Resident
R0063	488,215	3,625,812	2.36E-02	6.34E-06	Offsite	Resident
R0065	488,265	3,625,812	2.37E-02	6.37E-06	Offsite	Resident
R0075	487,940	3,625,837	2.06E-03	6.64E-06	Offsite	Worker
R0076	487,965	3,625,837	2.03E-03	6.57E-06	Offsite	Worker
R0077	487,990	3,625,837	2.06E-03	6.67E-06	Offsite	Worker
R0078	488,015	3,625,837	2.17E-03	7.02E-06	Offsite	Worker
R0079	488,040	3,625,837	2.38E-03	7.69E-06	Offsite	Worker
R0080	488,065	3,625,837	2.63E-03	8.50E-06	Offsite	Worker
R0081	488,090	3,625,837	2.72E-03	8.78E-06	Offsite	Worker
R0082	488,115	3,625,837	2.43E-03	7.84E-06	Offsite	Worker
R0083	488,140	3,625,837	2.31E-03	7.45E-06	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0084	488,165	3,625,837	2.24E-03	7.24E-06	Offsite	Worker
R0085	488,190	3,625,837	2.53E-02	6.79E-06	Offsite	Resident
R0086	488,215	3,625,837	2.49E-02	6.69E-06	Offsite	Resident
R0087	488,240	3,625,837	2.50E-02	6.71E-06	Offsite	Resident
R0088	488,265	3,625,837	2.51E-02	6.75E-06	Offsite	Resident
R0089	488,290	3,625,837	2.15E-03	6.94E-06	Offsite	Worker
R0090	488,315	3,625,837	2.26E-03	7.31E-06	Offsite	Worker
R0101	487,940	3,625,862	2.29E-03	7.39E-06	Offsite	Worker
R0102	487,965	3,625,862	2.21E-03	7.15E-06	Offsite	Worker
R0103	487,990	3,625,862	2.25E-03	7.27E-06	Offsite	Worker
R0104	488,015	3,625,862	2.49E-03	8.05E-06	Offsite	Worker
R0105	488,040	3,625,862	2.81E-03	9.08E-06	Offsite	Worker
R0106	488,065	3,625,862	3.17E-03	1.02E-05	Offsite	Worker
R0107	488,090	3,625,862	3.16E-03	1.02E-05	Offsite	Worker
R0108	488,115	3,625,862	2.95E-03	9.52E-06	Offsite	Worker
R0109	488,140	3,625,862	2.67E-03	8.62E-06	Offsite	Worker
R0110	488,165	3,625,862	2.37E-03	7.65E-06	Offsite	Worker
R0111	488,190	3,625,862	2.22E-03	7.18E-06	Offsite	Worker
R0112	488,215	3,625,862	2.63E-02	7.08E-06	Offsite	Resident
R0113	488,240	3,625,862	2.21E-03	7.14E-06	Offsite	Worker
R0114	488,265	3,625,862	2.24E-03	7.23E-06	Offsite	Worker
R0115	488,290	3,625,862	2.30E-03	7.43E-06	Offsite	Worker
R0116	488,315	3,625,862	2.55E-03	8.26E-06	Offsite	Worker
R0117	488,340	3,625,862	2.83E-03	9.14E-06	Offsite	Worker
R0129	487,940	3,625,887	3.24E-02	8.72E-06	Offsite	Resident
R0130	487,965	3,625,887	2.50E-03	8.09E-06	Offsite	Worker
R0131	487,990	3,625,887	2.64E-03	8.55E-06	Offsite	Worker
R0132	488,015	3,625,887	3.02E-03	9.75E-06	Offsite	Worker
R0133	488,040	3,625,887	3.41E-03	1.10E-05	Offsite	Worker
R0134	488,065	3,625,887	3.51E-03	1.13E-05	Offsite	Worker
R0135	488,090	3,625,887	2.93E-03	9.47E-06	Offsite	Worker
R0136	488,115	3,625,887	2.63E-03	8.51E-06	Offsite	Worker
R0137	488,140	3,625,887	2.64E-03	8.55E-06	Offsite	Worker
R0138	488,165	3,625,887	2.41E-03	7.79E-06	Offsite	Worker
R0139	488,190	3,625,887	2.33E-03	7.52E-06	Offsite	Worker
R0140	488,215	3,625,887	2.80E-02	7.52E-06	Offsite	Resident
R0141	488,240	3,625,887	2.37E-03	7.66E-06	Offsite	Worker
R0142	488,265	3,625,887	2.50E-03	8.08E-06	Offsite	Worker
R0143	488,290	3,625,887	2.63E-03	8.50E-06	Offsite	Worker
R0144	488,315	3,625,887	2.87E-03	9.29E-06	Offsite	Worker
R0145	488,340	3,625,887	3.12E-03	1.01E-05	Offsite	Worker
R0146	488,365	3,625,887	2.66E-03	8.58E-06	Offsite	Worker
R0147	488,390	3,625,887	2.43E-03	7.86E-06	Offsite	Worker
R0148	487,665	3,625,912	3.64E-03	1.18E-05	Offsite	Worker
R0149	487,690	3,625,912	3.74E-03	1.21E-05	Offsite	Worker
R0150	487,715	3,625,912	3.85E-03	1.24E-05	Offsite	Worker
R0158	487,915	3,625,912	4.27E-02	1.15E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0159	487,940	3,625,912	3.90E-02	1.05E-05	Offsite	Resident
R0160	487,965	3,625,912	3.58E-02	9.63E-06	Offsite	Resident
R0161	487,990	3,625,912	3.83E-02	1.03E-05	Offsite	Resident
R0162	488,015	3,625,912	3.63E-03	1.17E-05	Offsite	Worker
R0163	488,040	3,625,912	4.01E-03	1.30E-05	Offsite	Worker
R0164	488,065	3,625,912	3.47E-03	1.12E-05	Offsite	Worker
R0165	488,090	3,625,912	2.90E-03	9.39E-06	Offsite	Worker
R0166	488,115	3,625,912	2.61E-03	8.42E-06	Offsite	Worker
R0167	488,140	3,625,912	2.55E-03	8.25E-06	Offsite	Worker
R0168	488,165	3,625,912	2.51E-03	8.10E-06	Offsite	Worker
R0169	488,190	3,625,912	2.97E-02	7.98E-06	Offsite	Resident
R0171	488,240	3,625,912	2.53E-03	8.17E-06	Offsite	Worker
R0172	488,265	3,625,912	2.65E-03	8.57E-06	Offsite	Worker
R0173	488,290	3,625,912	2.88E-03	9.30E-06	Offsite	Worker
R0174	488,315	3,625,912	3.22E-03	1.04E-05	Offsite	Worker
R0175	488,340	3,625,912	3.52E-03	1.14E-05	Offsite	Worker
R0176	488,365	3,625,912	2.99E-03	9.65E-06	Offsite	Worker
R0177	488,390	3,625,912	2.69E-03	8.69E-06	Offsite	Worker
R0178	488,415	3,625,912	2.81E-03	9.07E-06	Offsite	Worker
R0179	487,640	3,625,937	3.61E-03	1.17E-05	Offsite	Worker
R0180	487,665	3,625,937	3.72E-03	1.20E-05	Offsite	Worker
R0181	487,690	3,625,937	3.84E-03	1.24E-05	Offsite	Worker
R0182	487,715	3,625,937	3.96E-03	1.28E-05	Offsite	Worker
R0183	487,740	3,625,937	4.08E-03	1.32E-05	Offsite	Worker
R0184	487,765	3,625,937	4.21E-03	1.36E-05	Offsite	Worker
R0185	487,790	3,625,937	4.35E-03	1.40E-05	Offsite	Worker
R0186	487,815	3,625,937	4.49E-03	1.45E-05	Offsite	Worker
R0189	487,890	3,625,937	5.65E-02	1.52E-05	Offsite	Resident
R0190	487,915	3,625,937	5.16E-02	1.39E-05	Offsite	Resident
R0191	487,940	3,625,937	4.81E-02	1.29E-05	Offsite	Resident
R0192	487,965	3,625,937	4.43E-02	1.19E-05	Offsite	Resident
R0193	487,990	3,625,937	4.73E-02	1.27E-05	Offsite	Resident
R0194	488,015	3,625,937	5.23E-02	1.41E-05	Offsite	Resident
R0195	488,040	3,625,937	4.17E-03	1.35E-05	Offsite	Worker
R0196	488,065	3,625,937	3.45E-03	1.12E-05	Offsite	Worker
R0197	488,090	3,625,937	2.99E-03	9.65E-06	Offsite	Worker
R0198	488,115	3,625,937	2.78E-03	8.99E-06	Offsite	Worker
R0199	488,140	3,625,937	2.70E-03	8.71E-06	Offsite	Worker
R0200	488,165	3,625,937	2.67E-03	8.63E-06	Offsite	Worker
R0201	488,190	3,625,937	3.20E-02	8.60E-06	Offsite	Resident
R0202	488,215	3,625,937	3.20E-02	8.60E-06	Offsite	Resident
R0203	488,240	3,625,937	3.21E-02	8.63E-06	Offsite	Resident
R0204	488,265	3,625,937	2.73E-03	8.83E-06	Offsite	Worker
R0205	488,290	3,625,937	2.91E-03	9.39E-06	Offsite	Worker
R0206	488,315	3,625,937	3.33E-03	1.08E-05	Offsite	Worker
R0207	488,340	3,625,937	3.87E-03	1.25E-05	Offsite	Worker
R0208	488,365	3,625,937	3.56E-03	1.15E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0209	488,390	3,625,937	3.20E-03	1.04E-05	Offsite	Worker
R0210	488,415	3,625,937	3.48E-03	1.12E-05	Offsite	Worker
R0211	488,440	3,625,937	3.83E-03	1.24E-05	Offsite	Worker
R0212	488,465	3,625,937	3.74E-03	1.21E-05	Offsite	Worker
R0215	487,665	3,625,962	3.79E-03	1.23E-05	Offsite	Worker
R0216	487,690	3,625,962	3.92E-03	1.27E-05	Offsite	Worker
R0217	487,715	3,625,962	4.06E-03	1.31E-05	Offsite	Worker
R0218	487,740	3,625,962	4.21E-03	1.36E-05	Offsite	Worker
R0219	487,765	3,625,962	4.36E-03	1.41E-05	Offsite	Worker
R0220	487,790	3,625,962	4.52E-03	1.46E-05	Offsite	Worker
R0221	487,815	3,625,962	4.68E-03	1.51E-05	Offsite	Worker
R0222	487,840	3,625,962	4.85E-03	1.57E-05	Offsite	Worker
R0223	487,865	3,625,962	5.01E-03	1.62E-05	Offsite	Worker
R0226	487,940	3,625,962	5.89E-02	1.58E-05	Offsite	Resident
R0227	487,965	3,625,962	5.60E-02	1.50E-05	Offsite	Resident
R0228	487,990	3,625,962	5.79E-02	1.56E-05	Offsite	Resident
R0229	488,015	3,625,962	5.84E-02	1.57E-05	Offsite	Resident
R0230	488,040	3,625,962	5.13E-02	1.38E-05	Offsite	Resident
R0231	488,065	3,625,962	4.30E-02	1.16E-05	Offsite	Resident
R0232	488,090	3,625,962	3.28E-03	1.06E-05	Offsite	Worker
R0233	488,115	3,625,962	3.09E-03	1.00E-05	Offsite	Worker
R0234	488,140	3,625,962	2.99E-03	9.65E-06	Offsite	Worker
R0235	488,165	3,625,962	2.95E-03	9.52E-06	Offsite	Worker
R0236	488,190	3,625,962	2.93E-03	9.48E-06	Offsite	Worker
R0237	488,215	3,625,962	2.91E-03	9.42E-06	Offsite	Worker
R0238	488,240	3,625,962	3.48E-02	9.34E-06	Offsite	Resident
R0239	488,265	3,625,962	3.51E-02	9.44E-06	Offsite	Resident
R0240	488,290	3,625,962	3.05E-03	9.87E-06	Offsite	Worker
R0241	488,315	3,625,962	3.42E-03	1.11E-05	Offsite	Worker
R0242	488,340	3,625,962	4.06E-03	1.31E-05	Offsite	Worker
R0243	488,365	3,625,962	4.33E-03	1.40E-05	Offsite	Worker
R0244	488,390	3,625,962	4.11E-03	1.33E-05	Offsite	Worker
R0245	488,415	3,625,962	4.40E-03	1.42E-05	Offsite	Worker
R0246	488,440	3,625,962	4.24E-03	1.37E-05	Offsite	Worker
R0247	488,465	3,625,962	3.60E-03	1.16E-05	Offsite	Worker
R0248	488,490	3,625,962	3.29E-03	1.06E-05	Offsite	Worker
R0255	487,765	3,625,987	4.50E-03	1.45E-05	Offsite	Worker
R0256	487,790	3,625,987	4.69E-03	1.51E-05	Offsite	Worker
R0257	487,815	3,625,987	4.89E-03	1.58E-05	Offsite	Worker
R0258	487,840	3,625,987	5.10E-03	1.65E-05	Offsite	Worker
R0259	487,865	3,625,987	5.32E-03	1.72E-05	Offsite	Worker
R0264	487,990	3,625,987	6.78E-02	1.82E-05	Offsite	Resident
R0265	488,015	3,625,987	6.17E-02	1.66E-05	Offsite	Resident
R0266	488,040	3,625,987	5.34E-02	1.44E-05	Offsite	Resident
R0267	488,065	3,625,987	4.83E-02	1.30E-05	Offsite	Resident
R0268	488,090	3,625,987	4.52E-02	1.22E-05	Offsite	Resident
R0269	488,115	3,625,987	3.57E-03	1.15E-05	Offsite	Worker



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0270	488,140	3,625,987	3.43E-03	1.11E-05	Offsite	Worker
R0271	488,165	3,625,987	3.36E-03	1.09E-05	Offsite	Worker
R0272	488,190	3,625,987	3.29E-03	1.06E-05	Offsite	Worker
R0273	488,215	3,625,987	3.23E-03	1.05E-05	Offsite	Worker
R0274	488,240	3,625,987	3.18E-03	1.03E-05	Offsite	Worker
R0275	488,265	3,625,987	3.19E-03	1.03E-05	Offsite	Worker
R0276	488,290	3,625,987	3.26E-03	1.05E-05	Offsite	Worker
R0277	488,315	3,625,987	3.57E-03	1.15E-05	Offsite	Worker
R0278	488,340	3,625,987	4.24E-03	1.37E-05	Offsite	Worker
R0279	488,365	3,625,987	4.91E-03	1.59E-05	Offsite	Worker
R0280	488,390	3,625,987	4.93E-03	1.59E-05	Offsite	Worker
R0281	488,415	3,625,987	4.37E-03	1.41E-05	Offsite	Worker
R0282	488,440	3,625,987	3.94E-03	1.27E-05	Offsite	Worker
R0283	488,465	3,625,987	3.68E-03	1.19E-05	Offsite	Worker
R0284	488,490	3,625,987	3.22E-03	1.04E-05	Offsite	Worker
R0285	488,515	3,625,987	3.04E-03	9.83E-06	Offsite	Worker
R0286	488,540	3,625,987	2.97E-03	9.61E-06	Offsite	Worker
R0296	487,840	3,626,012	5.35E-03	1.73E-05	Offsite	Worker
R0297	487,865	3,626,012	5.64E-03	1.82E-05	Offsite	Worker
R0303	488,015	3,626,012	7.17E-02	1.93E-05	Offsite	Resident
R0304	488,040	3,626,012	6.47E-02	1.74E-05	Offsite	Resident
R0305	488,065	3,626,012	5.88E-02	1.58E-05	Offsite	Resident
R0306	488,090	3,626,012	5.50E-02	1.48E-05	Offsite	Resident
R0307	488,115	3,626,012	5.18E-02	1.39E-05	Offsite	Resident
R0308	488,140	3,626,012	4.97E-02	1.33E-05	Offsite	Resident
R0309	488,165	3,626,012	4.15E-03	1.34E-05	Offsite	Worker
R0310	488,190	3,626,012	3.82E-03	1.23E-05	Offsite	Worker
R0311	488,215	3,626,012	3.67E-03	1.19E-05	Offsite	Worker
R0312	488,240	3,626,012	3.58E-03	1.16E-05	Offsite	Worker
R0313	488,265	3,626,012	3.55E-03	1.15E-05	Offsite	Worker
R0314	488,290	3,626,012	3.74E-03	1.21E-05	Offsite	Worker
R0315	488,315	3,626,012	4.28E-03	1.38E-05	Offsite	Worker
R0316	488,340	3,626,012	4.95E-03	1.60E-05	Offsite	Worker
R0317	488,365	3,626,012	5.54E-03	1.79E-05	Offsite	Worker
R0318	488,390	3,626,012	4.80E-03	1.55E-05	Offsite	Worker
R0319	488,415	3,626,012	4.08E-03	1.32E-05	Offsite	Worker
R0320	488,440	3,626,012	3.61E-03	1.17E-05	Offsite	Worker
R0321	488,465	3,626,012	3.62E-03	1.17E-05	Offsite	Worker
R0322	488,490	3,626,012	3.43E-03	1.11E-05	Offsite	Worker
R0323	488,515	3,626,012	3.19E-03	1.03E-05	Offsite	Worker
R0324	488,540	3,626,012	3.08E-03	9.96E-06	Offsite	Worker
R0325	488,565	3,626,012	3.01E-03	9.74E-06	Offsite	Worker
R0326	488,590	3,626,012	2.98E-03	9.64E-06	Offsite	Worker
R0345	488,040	3,626,037	8.47E-02	2.28E-05	Offsite	Resident
R0346	488,065	3,626,037	7.54E-02	2.02E-05	Offsite	Resident
R0347	488,090	3,626,037	6.91E-02	1.86E-05	Offsite	Resident
R0348	488,115	3,626,037	6.52E-02	1.75E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0349	488,140	3,626,037	6.47E-02	1.74E-05	Offsite	Resident
R0350	488,165	3,626,037	6.57E-02	1.77E-05	Offsite	Resident
R0351	488,190	3,626,037	5.55E-02	1.49E-05	Offsite	Resident
R0352	488,215	3,626,037	4.33E-03	1.40E-05	Offsite	Worker
R0353	488,240	3,626,037	4.15E-03	1.34E-05	Offsite	Worker
R0354	488,265	3,626,037	4.10E-03	1.32E-05	Offsite	Worker
R0355	488,290	3,626,037	4.37E-03	1.41E-05	Offsite	Worker
R0356	488,315	3,626,037	5.22E-03	1.69E-05	Offsite	Worker
R0357	488,340	3,626,037	5.93E-03	1.92E-05	Offsite	Worker
R0358	488,365	3,626,037	5.88E-03	1.90E-05	Offsite	Worker
R0359	488,390	3,626,037	4.78E-03	1.54E-05	Offsite	Worker
R0360	488,415	3,626,037	3.95E-03	1.28E-05	Offsite	Worker
R0361	488,440	3,626,037	3.58E-03	1.16E-05	Offsite	Worker
R0362	488,465	3,626,037	3.51E-03	1.14E-05	Offsite	Worker
R0363	488,490	3,626,037	3.45E-03	1.11E-05	Offsite	Worker
R0364	488,515	3,626,037	3.35E-03	1.08E-05	Offsite	Worker
R0365	488,540	3,626,037	3.24E-03	1.05E-05	Offsite	Worker
R0366	488,565	3,626,037	3.20E-03	1.03E-05	Offsite	Worker
R0367	488,590	3,626,037	3.20E-03	1.03E-05	Offsite	Worker
R0368	488,615	3,626,037	3.21E-03	1.04E-05	Offsite	Worker
R0371	487,640	3,626,062	3.82E-03	1.24E-05	Offsite	Worker
R0372	487,665	3,626,062	3.98E-03	1.29E-05	Offsite	Worker
R0373	487,690	3,626,062	4.15E-03	1.34E-05	Offsite	Worker
R0386	488,015	3,626,062	1.02E-02	3.30E-05	Offsite	Worker
R0389	488,090	3,626,062	9.39E-02	2.52E-05	Offsite	Resident
R0390	488,115	3,626,062	8.67E-02	2.33E-05	Offsite	Resident
R0391	488,140	3,626,062	8.48E-02	2.28E-05	Offsite	Resident
R0392	488,165	3,626,062	7.88E-02	2.12E-05	Offsite	Resident
R0393	488,190	3,626,062	7.15E-02	1.92E-05	Offsite	Resident
R0394	488,215	3,626,062	6.49E-02	1.74E-05	Offsite	Resident
R0395	488,240	3,626,062	6.03E-02	1.62E-05	Offsite	Resident
R0396	488,265	3,626,062	5.90E-02	1.59E-05	Offsite	Resident
R0397	488,290	3,626,062	5.35E-03	1.73E-05	Offsite	Worker
R0398	488,315	3,626,062	6.29E-03	2.03E-05	Offsite	Worker
R0399	488,340	3,626,062	6.73E-03	2.17E-05	Offsite	Worker
R0400	488,365	3,626,062	5.98E-03	1.93E-05	Offsite	Worker
R0401	488,390	3,626,062	5.44E-03	1.76E-05	Offsite	Worker
R0402	488,415	3,626,062	4.72E-03	1.52E-05	Offsite	Worker
R0403	488,440	3,626,062	4.10E-03	1.33E-05	Offsite	Worker
R0404	488,465	3,626,062	3.77E-03	1.22E-05	Offsite	Worker
R0405	488,490	3,626,062	3.59E-03	1.16E-05	Offsite	Worker
R0406	488,515	3,626,062	3.48E-03	1.12E-05	Offsite	Worker
R0407	488,540	3,626,062	3.44E-03	1.11E-05	Offsite	Worker
R0408	488,565	3,626,062	3.43E-03	1.11E-05	Offsite	Worker
R0409	488,590	3,626,062	3.47E-03	1.12E-05	Offsite	Worker
R0410	488,615	3,626,062	3.49E-03	1.13E-05	Offsite	Worker
R0411	488,640	3,626,062	3.58E-03	1.16E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0412	488,665	3,626,062	3.79E-03	1.22E-05	Offsite	Worker
R0414	487,615	3,626,087	3.68E-03	1.19E-05	Offsite	Worker
R0415	487,640	3,626,087	3.83E-03	1.24E-05	Offsite	Worker
R0416	487,665	3,626,087	3.99E-03	1.29E-05	Offsite	Worker
R0417	487,690	3,626,087	4.17E-03	1.35E-05	Offsite	Worker
R0418	487,715	3,626,087	4.37E-03	1.41E-05	Offsite	Worker
R0419	487,740	3,626,087	4.60E-03	1.49E-05	Offsite	Worker
R0420	487,765	3,626,087	4.86E-03	1.57E-05	Offsite	Worker
R0431	488,040	3,626,087	1.46E-02	4.71E-05	Offsite	Worker
R0435	488,140	3,626,087	1.20E-01	3.23E-05	Offsite	Resident
R0436	488,165	3,626,087	1.04E-01	2.81E-05	Offsite	Resident
R0437	488,190	3,626,087	9.25E-02	2.49E-05	Offsite	Resident
R0438	488,215	3,626,087	8.35E-02	2.24E-05	Offsite	Resident
R0439	488,240	3,626,087	7.71E-02	2.07E-05	Offsite	Resident
R0440	488,265	3,626,087	7.54E-02	2.03E-05	Offsite	Resident
R0441	488,290	3,626,087	8.09E-02	2.17E-05	Offsite	Resident
R0442	488,315	3,626,087	9.12E-02	2.45E-05	Offsite	Resident
R0443	488,340	3,626,087	7.15E-03	2.31E-05	Offsite	Worker
R0444	488,365	3,626,087	6.09E-03	1.97E-05	Offsite	Worker
R0445	488,390	3,626,087	5.03E-03	1.62E-05	Offsite	Worker
R0446	488,415	3,626,087	4.87E-03	1.58E-05	Offsite	Worker
R0447	488,440	3,626,087	4.65E-03	1.50E-05	Offsite	Worker
R0448	488,465	3,626,087	4.21E-03	1.36E-05	Offsite	Worker
R0449	488,490	3,626,087	3.87E-03	1.25E-05	Offsite	Worker
R0450	488,515	3,626,087	3.71E-03	1.20E-05	Offsite	Worker
R0451	488,540	3,626,087	3.69E-03	1.19E-05	Offsite	Worker
R0452	488,565	3,626,087	3.70E-03	1.20E-05	Offsite	Worker
R0453	488,590	3,626,087	3.78E-03	1.22E-05	Offsite	Worker
R0454	488,615	3,626,087	3.98E-03	1.29E-05	Offsite	Worker
R0455	488,640	3,626,087	4.10E-03	1.32E-05	Offsite	Worker
R0456	488,665	3,626,087	4.07E-03	1.32E-05	Offsite	Worker
R0457	488,690	3,626,087	3.75E-03	1.21E-05	Offsite	Worker
R0459	487,615	3,626,112	3.68E-03	1.19E-05	Offsite	Worker
R0460	487,640	3,626,112	3.83E-03	1.24E-05	Offsite	Worker
R0461	487,665	3,626,112	3.99E-03	1.29E-05	Offsite	Worker
R0462	487,690	3,626,112	4.17E-03	1.35E-05	Offsite	Worker
R0463	487,715	3,626,112	4.37E-03	1.41E-05	Offsite	Worker
R0464	487,740	3,626,112	4.61E-03	1.49E-05	Offsite	Worker
R0465	487,765	3,626,112	4.88E-03	1.58E-05	Offsite	Worker
R0466	487,790	3,626,112	5.19E-03	1.68E-05	Offsite	Worker
R0477	488,065	3,626,112	2.06E-02	6.67E-05	Offsite	Worker
R0478	488,090	3,626,112	1.81E-02	5.86E-05	Offsite	Worker
R0482	488,190	3,626,112	1.35E-01	3.63E-05	Offsite	Resident
R0483	488,215	3,626,112	1.13E-01	3.04E-05	Offsite	Resident
R0484	488,240	3,626,112	1.01E-01	2.70E-05	Offsite	Resident
R0485	488,265	3,626,112	9.83E-02	2.64E-05	Offsite	Resident
R0486	488,290	3,626,112	1.03E-01	2.76E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0487	488,315	3,626,112	1.04E-01	2.78E-05	Offsite	Resident
R0488	488,340	3,626,112	8.98E-02	2.41E-05	Offsite	Resident
R0489	488,365	3,626,112	6.26E-03	2.02E-05	Offsite	Worker
R0490	488,390	3,626,112	5.14E-03	1.66E-05	Offsite	Worker
R0491	488,415	3,626,112	4.54E-03	1.47E-05	Offsite	Worker
R0492	488,440	3,626,112	4.45E-03	1.44E-05	Offsite	Worker
R0493	488,465	3,626,112	4.28E-03	1.38E-05	Offsite	Worker
R0494	488,490	3,626,112	4.05E-03	1.31E-05	Offsite	Worker
R0495	488,515	3,626,112	3.96E-03	1.28E-05	Offsite	Worker
R0496	488,540	3,626,112	3.98E-03	1.29E-05	Offsite	Worker
R0497	488,565	3,626,112	4.07E-03	1.32E-05	Offsite	Worker
R0498	488,590	3,626,112	4.22E-03	1.37E-05	Offsite	Worker
R0499	488,615	3,626,112	4.58E-03	1.48E-05	Offsite	Worker
R0500	488,640	3,626,112	4.53E-03	1.46E-05	Offsite	Worker
R0501	488,665	3,626,112	3.98E-03	1.29E-05	Offsite	Worker
R0502	488,690	3,626,112	3.70E-03	1.20E-05	Offsite	Worker
R0503	488,715	3,626,112	3.61E-03	1.17E-05	Offsite	Worker
R0504	488,740	3,626,112	3.48E-03	1.13E-05	Offsite	Worker
R0506	487,615	3,626,137	3.66E-03	1.18E-05	Offsite	Worker
R0507	487,640	3,626,137	3.81E-03	1.23E-05	Offsite	Worker
R0508	487,665	3,626,137	3.97E-03	1.28E-05	Offsite	Worker
R0509	487,690	3,626,137	4.15E-03	1.34E-05	Offsite	Worker
R0510	487,715	3,626,137	4.35E-03	1.41E-05	Offsite	Worker
R0511	487,740	3,626,137	4.59E-03	1.48E-05	Offsite	Worker
R0512	487,765	3,626,137	4.86E-03	1.57E-05	Offsite	Worker
R0513	487,790	3,626,137	5.18E-03	1.67E-05	Offsite	Worker
R0514	487,815	3,626,137	5.56E-03	1.80E-05	Offsite	Worker
R0526	488,115	3,626,137	2.19E-02	7.08E-05	Offsite	Worker
R0527	488,140	3,626,137	1.89E-02	6.10E-05	Offsite	Worker
R0532	488,265	3,626,137	1.32E-01	3.55E-05	Offsite	Resident
R0533	488,290	3,626,137	1.24E-01	3.32E-05	Offsite	Resident
R0534	488,315	3,626,137	1.13E-01	3.02E-05	Offsite	Resident
R0535	488,340	3,626,137	8.98E-02	2.41E-05	Offsite	Resident
R0536	488,365	3,626,137	7.41E-02	1.99E-05	Offsite	Resident
R0537	488,390	3,626,137	6.50E-02	1.75E-05	Offsite	Resident
R0538	488,415	3,626,137	4.84E-03	1.57E-05	Offsite	Worker
R0539	488,440	3,626,137	4.56E-03	1.47E-05	Offsite	Worker
R0540	488,465	3,626,137	4.43E-03	1.43E-05	Offsite	Worker
R0541	488,490	3,626,137	4.35E-03	1.41E-05	Offsite	Worker
R0542	488,515	3,626,137	4.27E-03	1.38E-05	Offsite	Worker
R0543	488,540	3,626,137	4.33E-03	1.40E-05	Offsite	Worker
R0544	488,565	3,626,137	4.50E-03	1.45E-05	Offsite	Worker
R0545	488,590	3,626,137	4.93E-03	1.59E-05	Offsite	Worker
R0546	488,615	3,626,137	5.18E-03	1.67E-05	Offsite	Worker
R0547	488,640	3,626,137	4.41E-03	1.42E-05	Offsite	Worker
R0548	488,665	3,626,137	4.01E-03	1.29E-05	Offsite	Worker
R0549	488,690	3,626,137	3.76E-03	1.22E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0550	488,715	3,626,137	3.68E-03	1.19E-05	Offsite	Worker
R0551	488,740	3,626,137	3.60E-03	1.16E-05	Offsite	Worker
R0552	488,765	3,626,137	4.25E-02	1.14E-05	Offsite	Resident
R0553	488,790	3,626,137	4.19E-02	1.12E-05	Offsite	Resident
R0555	487,615	3,626,162	3.64E-03	1.18E-05	Offsite	Worker
R0556	487,640	3,626,162	3.78E-03	1.22E-05	Offsite	Worker
R0557	487,665	3,626,162	3.94E-03	1.27E-05	Offsite	Worker
R0558	487,690	3,626,162	4.12E-03	1.33E-05	Offsite	Worker
R0559	487,715	3,626,162	4.32E-03	1.40E-05	Offsite	Worker
R0560	487,740	3,626,162	4.54E-03	1.47E-05	Offsite	Worker
R0561	487,765	3,626,162	4.81E-03	1.55E-05	Offsite	Worker
R0562	487,790	3,626,162	5.12E-03	1.65E-05	Offsite	Worker
R0563	487,815	3,626,162	5.48E-03	1.77E-05	Offsite	Worker
R0564	487,840	3,626,162	5.95E-03	1.92E-05	Offsite	Worker
R0576	488,140	3,626,162	2.57E-02	8.31E-05	Offsite	Worker
R0577	488,165	3,626,162	2.14E-02	6.92E-05	Offsite	Worker
R0578	488,190	3,626,162	1.86E-02	6.00E-05	Offsite	Worker
R0579	488,215	3,626,162	1.65E-02	5.34E-05	Offsite	Worker
R0583	488,315	3,626,162	1.15E-01	3.09E-05	Offsite	Resident
R0584	488,340	3,626,162	9.52E-02	2.56E-05	Offsite	Resident
R0585	488,365	3,626,162	8.28E-02	2.22E-05	Offsite	Resident
R0586	488,390	3,626,162	7.36E-02	1.98E-05	Offsite	Resident
R0587	488,415	3,626,162	6.52E-02	1.75E-05	Offsite	Resident
R0588	488,440	3,626,162	5.05E-03	1.63E-05	Offsite	Worker
R0589	488,465	3,626,162	4.88E-03	1.58E-05	Offsite	Worker
R0590	488,490	3,626,162	4.84E-03	1.57E-05	Offsite	Worker
R0591	488,515	3,626,162	4.78E-03	1.54E-05	Offsite	Worker
R0592	488,540	3,626,162	4.90E-03	1.58E-05	Offsite	Worker
R0593	488,565	3,626,162	5.19E-03	1.68E-05	Offsite	Worker
R0594	488,590	3,626,162	5.73E-03	1.85E-05	Offsite	Worker
R0595	488,615	3,626,162	5.30E-03	1.71E-05	Offsite	Worker
R0596	488,640	3,626,162	4.53E-03	1.46E-05	Offsite	Worker
R0597	488,665	3,626,162	4.09E-03	1.32E-05	Offsite	Worker
R0598	488,690	3,626,162	3.93E-03	1.27E-05	Offsite	Worker
R0599	488,715	3,626,162	3.83E-03	1.24E-05	Offsite	Worker
R0600	488,740	3,626,162	4.53E-02	1.22E-05	Offsite	Resident
R0601	488,765	3,626,162	4.47E-02	1.20E-05	Offsite	Resident
R0602	488,790	3,626,162	4.41E-02	1.18E-05	Offsite	Resident
R0607	487,665	3,626,187	3.91E-03	1.26E-05	Offsite	Worker
R0608	487,690	3,626,187	4.08E-03	1.32E-05	Offsite	Worker
R0609	487,715	3,626,187	4.27E-03	1.38E-05	Offsite	Worker
R0610	487,740	3,626,187	4.49E-03	1.45E-05	Offsite	Worker
R0611	487,765	3,626,187	4.73E-03	1.53E-05	Offsite	Worker
R0612	487,790	3,626,187	5.01E-03	1.62E-05	Offsite	Worker
R0613	487,815	3,626,187	5.35E-03	1.73E-05	Offsite	Worker
R0614	487,840	3,626,187	5.77E-03	1.87E-05	Offsite	Worker
R0615	487,865	3,626,187	6.35E-03	2.05E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0616	487,890	3,626,187	7.06E-03	2.28E-05	Offsite	Worker
R0617	487,915	3,626,187	8.03E-03	2.60E-05	Offsite	Worker
R0618	487,940	3,626,187	9.47E-03	3.06E-05	Offsite	Worker
R0627	488,165	3,626,187	2.99E-02	9.68E-05	Offsite	Worker
R0628	488,190	3,626,187	2.42E-02	7.83E-05	Offsite	Worker
R0629	488,215	3,626,187	2.05E-02	6.63E-05	Offsite	Worker
R0630	488,240	3,626,187	1.79E-02	5.77E-05	Offsite	Worker
R0631	488,265	3,626,187	1.56E-02	5.03E-05	Offsite	Worker
R0634	488,340	3,626,187	1.18E-01	3.18E-05	Offsite	Resident
R0635	488,365	3,626,187	1.01E-01	2.71E-05	Offsite	Resident
R0636	488,390	3,626,187	8.87E-02	2.38E-05	Offsite	Resident
R0637	488,415	3,626,187	8.00E-02	2.15E-05	Offsite	Resident
R0638	488,440	3,626,187	7.06E-02	1.90E-05	Offsite	Resident
R0639	488,465	3,626,187	5.59E-03	1.81E-05	Offsite	Worker
R0640	488,490	3,626,187	5.65E-03	1.83E-05	Offsite	Worker
R0641	488,515	3,626,187	5.70E-03	1.84E-05	Offsite	Worker
R0642	488,540	3,626,187	5.93E-03	1.92E-05	Offsite	Worker
R0643	488,565	3,626,187	6.39E-03	2.06E-05	Offsite	Worker
R0644	488,590	3,626,187	6.42E-03	2.08E-05	Offsite	Worker
R0645	488,615	3,626,187	5.37E-03	1.74E-05	Offsite	Worker
R0646	488,640	3,626,187	4.63E-03	1.50E-05	Offsite	Worker
R0647	488,665	3,626,187	4.31E-03	1.39E-05	Offsite	Worker
R0648	488,690	3,626,187	4.16E-03	1.34E-05	Offsite	Worker
R0649	488,715	3,626,187	4.06E-03	1.31E-05	Offsite	Worker
R0650	488,740	3,626,187	4.78E-02	1.28E-05	Offsite	Resident
R0651	488,765	3,626,187	4.71E-02	1.27E-05	Offsite	Resident
R0652	488,790	3,626,187	4.64E-02	1.25E-05	Offsite	Resident
R0654	488,840	3,626,187	4.52E-02	1.22E-05	Offsite	Resident
R0655	488,865	3,626,187	4.46E-02	1.20E-05	Offsite	Resident
R0658	487,640	3,626,212	3.71E-03	1.20E-05	Offsite	Worker
R0661	487,715	3,626,212	4.21E-03	1.36E-05	Offsite	Worker
R0662	487,740	3,626,212	4.41E-03	1.42E-05	Offsite	Worker
R0663	487,765	3,626,212	4.63E-03	1.50E-05	Offsite	Worker
R0664	487,790	3,626,212	4.90E-03	1.58E-05	Offsite	Worker
R0665	487,815	3,626,212	5.21E-03	1.68E-05	Offsite	Worker
R0666	487,840	3,626,212	5.59E-03	1.81E-05	Offsite	Worker
R0667	487,865	3,626,212	6.06E-03	1.96E-05	Offsite	Worker
R0668	487,890	3,626,212	6.69E-03	2.16E-05	Offsite	Worker
R0669	487,915	3,626,212	7.46E-03	2.41E-05	Offsite	Worker
R0670	487,940	3,626,212	8.50E-03	2.75E-05	Offsite	Worker
R0671	487,965	3,626,212	9.95E-03	3.22E-05	Offsite	Worker
R0672	487,990	3,626,212	1.20E-02	3.88E-05	Offsite	Worker
R0673	488,015	3,626,212	1.50E-02	4.85E-05	Offsite	Worker
R0681	488,215	3,626,212	2.76E-02	8.91E-05	Offsite	Worker
R0682	488,240	3,626,212	2.28E-02	7.37E-05	Offsite	Worker
R0683	488,265	3,626,212	1.97E-02	6.37E-05	Offsite	Worker
R0684	488,290	3,626,212	1.74E-02	5.63E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0687	488,365	3,626,212	1.28E-01	3.45E-05	Offsite	Resident
R0688	488,390	3,626,212	1.11E-01	2.98E-05	Offsite	Resident
R0689	488,415	3,626,212	9.69E-02	2.60E-05	Offsite	Resident
R0690	488,440	3,626,212	7.36E-03	2.38E-05	Offsite	Worker
R0691	488,465	3,626,212	6.69E-03	2.16E-05	Offsite	Worker
R0692	488,490	3,626,212	6.84E-03	2.21E-05	Offsite	Worker
R0693	488,515	3,626,212	7.18E-03	2.32E-05	Offsite	Worker
R0694	488,540	3,626,212	7.38E-03	2.38E-05	Offsite	Worker
R0695	488,565	3,626,212	7.06E-03	2.28E-05	Offsite	Worker
R0696	488,590	3,626,212	6.51E-03	2.10E-05	Offsite	Worker
R0697	488,615	3,626,212	5.89E-03	1.90E-05	Offsite	Worker
R0698	488,640	3,626,212	5.09E-03	1.65E-05	Offsite	Worker
R0699	488,665	3,626,212	4.67E-03	1.51E-05	Offsite	Worker
R0700	488,690	3,626,212	4.53E-03	1.47E-05	Offsite	Worker
R0701	488,715	3,626,212	4.38E-03	1.42E-05	Offsite	Worker
R0702	488,740	3,626,212	4.21E-03	1.36E-05	Offsite	Worker
R0703	488,765	3,626,212	4.96E-02	1.33E-05	Offsite	Resident
R0704	488,790	3,626,212	4.90E-02	1.32E-05	Offsite	Resident
R0706	488,840	3,626,212	4.77E-02	1.28E-05	Offsite	Resident
R0707	488,865	3,626,212	4.71E-02	1.27E-05	Offsite	Resident
R0708	488,890	3,626,212	4.65E-02	1.25E-05	Offsite	Resident
R0710	487,615	3,626,237	3.54E-03	1.14E-05	Offsite	Worker
R0711	487,640	3,626,237	3.65E-03	1.18E-05	Offsite	Worker
R0712	487,665	3,626,237	3.80E-03	1.23E-05	Offsite	Worker
R0713	487,690	3,626,237	3.97E-03	1.28E-05	Offsite	Worker
R0721	487,890	3,626,237	6.33E-03	2.05E-05	Offsite	Worker
R0722	487,915	3,626,237	6.95E-03	2.25E-05	Offsite	Worker
R0723	487,940	3,626,237	7.74E-03	2.50E-05	Offsite	Worker
R0724	487,965	3,626,237	8.73E-03	2.82E-05	Offsite	Worker
R0725	487,990	3,626,237	1.01E-02	3.25E-05	Offsite	Worker
R0726	488,015	3,626,237	1.18E-02	3.80E-05	Offsite	Worker
R0727	488,040	3,626,237	1.41E-02	4.55E-05	Offsite	Worker
R0728	488,065	3,626,237	1.75E-02	5.66E-05	Offsite	Worker
R0735	488,240	3,626,237	3.21E-02	1.04E-04	Offsite	Worker
R0736	488,265	3,626,237	2.56E-02	8.26E-05	Offsite	Worker
R0737	488,290	3,626,237	2.15E-02	6.93E-05	Offsite	Worker
R0738	488,315	3,626,237	1.89E-02	6.10E-05	Offsite	Worker
R0741	488,390	3,626,237	1.49E-01	3.99E-05	Offsite	Resident
R0742	488,415	3,626,237	1.04E-02	3.37E-05	Offsite	Worker
R0743	488,440	3,626,237	9.26E-03	2.99E-05	Offsite	Worker
R0744	488,465	3,626,237	8.88E-03	2.87E-05	Offsite	Worker
R0745	488,490	3,626,237	8.83E-03	2.85E-05	Offsite	Worker
R0746	488,515	3,626,237	8.82E-03	2.85E-05	Offsite	Worker
R0747	488,540	3,626,237	8.00E-03	2.59E-05	Offsite	Worker
R0748	488,565	3,626,237	6.67E-03	2.16E-05	Offsite	Worker
R0749	488,590	3,626,237	6.00E-03	1.94E-05	Offsite	Worker
R0750	488,615	3,626,237	5.79E-03	1.87E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0751	488,640	3,626,237	5.68E-03	1.84E-05	Offsite	Worker
R0752	488,665	3,626,237	5.25E-03	1.70E-05	Offsite	Worker
R0753	488,690	3,626,237	4.95E-03	1.60E-05	Offsite	Worker
R0754	488,715	3,626,237	4.68E-03	1.51E-05	Offsite	Worker
R0755	488,740	3,626,237	4.46E-03	1.44E-05	Offsite	Worker
R0756	488,765	3,626,237	5.23E-02	1.41E-05	Offsite	Resident
R0762	488,915	3,626,237	4.85E-02	1.30E-05	Offsite	Resident
R0763	488,940	3,626,237	4.80E-02	1.29E-05	Offsite	Resident
R0764	489,390	3,626,237	3.80E-03	1.23E-05	Offsite	Worker
R0772	489,590	3,626,237	4.18E-03	1.35E-05	Offsite	Worker
R0773	487,590	3,626,262	3.38E-03	1.09E-05	Offsite	Worker
R0774	487,615	3,626,262	3.48E-03	1.13E-05	Offsite	Worker
R0775	487,640	3,626,262	3.61E-03	1.17E-05	Offsite	Worker
R0776	487,665	3,626,262	3.74E-03	1.21E-05	Offsite	Worker
R0777	487,690	3,626,262	3.89E-03	1.26E-05	Offsite	Worker
R0778	487,715	3,626,262	4.05E-03	1.31E-05	Offsite	Worker
R0779	487,740	3,626,262	4.23E-03	1.37E-05	Offsite	Worker
R0780	487,765	3,626,262	4.43E-03	1.43E-05	Offsite	Worker
R0781	487,790	3,626,262	4.66E-03	1.51E-05	Offsite	Worker
R0782	487,815	3,626,262	4.93E-03	1.59E-05	Offsite	Worker
R0783	487,840	3,626,262	5.24E-03	1.69E-05	Offsite	Worker
R0787	487,940	3,626,262	7.14E-03	2.31E-05	Offsite	Worker
R0788	487,965	3,626,262	7.85E-03	2.54E-05	Offsite	Worker
R0789	487,990	3,626,262	8.77E-03	2.83E-05	Offsite	Worker
R0790	488,015	3,626,262	9.92E-03	3.20E-05	Offsite	Worker
R0791	488,040	3,626,262	1.14E-02	3.68E-05	Offsite	Worker
R0792	488,065	3,626,262	1.33E-02	4.28E-05	Offsite	Worker
R0793	488,090	3,626,262	1.60E-02	5.16E-05	Offsite	Worker
R0794	488,115	3,626,262	2.00E-02	6.45E-05	Offsite	Worker
R0801	488,290	3,626,262	2.90E-02	9.38E-05	Offsite	Worker
R0802	488,315	3,626,262	2.37E-02	7.66E-05	Offsite	Worker
R0803	488,340	3,626,262	2.05E-02	6.61E-05	Offsite	Worker
R0805	488,390	3,626,262	1.51E-02	4.90E-05	Offsite	Worker
R0806	488,415	3,626,262	1.27E-02	4.11E-05	Offsite	Worker
R0807	488,440	3,626,262	1.11E-02	3.58E-05	Offsite	Worker
R0808	488,465	3,626,262	1.02E-02	3.30E-05	Offsite	Worker
R0809	488,490	3,626,262	9.90E-03	3.20E-05	Offsite	Worker
R0810	488,515	3,626,262	9.12E-03	2.95E-05	Offsite	Worker
R0811	488,540	3,626,262	7.54E-03	2.44E-05	Offsite	Worker
R0812	488,565	3,626,262	6.63E-03	2.14E-05	Offsite	Worker
R0813	488,590	3,626,262	6.13E-03	1.98E-05	Offsite	Worker
R0814	488,615	3,626,262	5.70E-03	1.84E-05	Offsite	Worker
R0815	488,640	3,626,262	5.37E-03	1.74E-05	Offsite	Worker
R0816	488,665	3,626,262	5.19E-03	1.68E-05	Offsite	Worker
R0817	488,690	3,626,262	4.95E-03	1.60E-05	Offsite	Worker
R0818	488,715	3,626,262	4.80E-03	1.55E-05	Offsite	Worker
R0819	488,740	3,626,262	4.66E-03	1.51E-05	Offsite	Worker



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0820	488,765	3,626,262	4.59E-03	1.48E-05	Offsite	Worker
R0821	488,790	3,626,262	5.45E-02	1.46E-05	Offsite	Resident
R0822	488,815	3,626,262	5.39E-02	1.45E-05	Offsite	Resident
R0823	488,840	3,626,262	5.31E-02	1.43E-05	Offsite	Resident
R0824	488,865	3,626,262	5.25E-02	1.41E-05	Offsite	Resident
R0825	488,890	3,626,262	5.19E-02	1.39E-05	Offsite	Resident
R0826	488,915	3,626,262	5.13E-02	1.38E-05	Offsite	Resident
R0827	488,940	3,626,262	5.07E-02	1.36E-05	Offsite	Resident
R0828	488,965	3,626,262	4.20E-03	1.36E-05	Offsite	Worker
R0829	488,990	3,626,262	4.23E-03	1.37E-05	Offsite	Worker
R0830	489,315	3,626,262	4.35E-02	1.17E-05	Offsite	Resident
R0831	489,340	3,626,262	3.66E-03	1.18E-05	Offsite	Worker
R0832	489,365	3,626,262	3.80E-03	1.23E-05	Offsite	Worker
R0833	489,390	3,626,262	4.09E-03	1.32E-05	Offsite	Worker
R0842	489,615	3,626,262	6.19E-03	2.00E-05	Offsite	Worker
R0843	489,640	3,626,262	6.11E-03	1.98E-05	Offsite	Worker
R0844	489,665	3,626,262	4.63E-03	1.50E-05	Offsite	Worker
R0845	487,615	3,626,287	3.44E-03	1.11E-05	Offsite	Worker
R0846	487,640	3,626,287	3.56E-03	1.15E-05	Offsite	Worker
R0847	487,665	3,626,287	3.69E-03	1.19E-05	Offsite	Worker
R0848	487,690	3,626,287	3.83E-03	1.24E-05	Offsite	Worker
R0849	487,715	3,626,287	3.98E-03	1.29E-05	Offsite	Worker
R0850	487,740	3,626,287	4.15E-03	1.34E-05	Offsite	Worker
R0851	487,765	3,626,287	4.34E-03	1.40E-05	Offsite	Worker
R0852	487,790	3,626,287	4.55E-03	1.47E-05	Offsite	Worker
R0853	487,815	3,626,287	4.79E-03	1.55E-05	Offsite	Worker
R0854	487,840	3,626,287	5.05E-03	1.63E-05	Offsite	Worker
R0855	487,865	3,626,287	5.36E-03	1.73E-05	Offsite	Worker
R0856	487,890	3,626,287	5.71E-03	1.85E-05	Offsite	Worker
R0857	487,915	3,626,287	6.14E-03	1.99E-05	Offsite	Worker
R0860	487,990	3,626,287	7.87E-03	2.54E-05	Offsite	Worker
R0861	488,015	3,626,287	8.69E-03	2.81E-05	Offsite	Worker
R0862	488,040	3,626,287	9.69E-03	3.13E-05	Offsite	Worker
R0863	488,065	3,626,287	1.09E-02	3.53E-05	Offsite	Worker
R0864	488,090	3,626,287	1.26E-02	4.06E-05	Offsite	Worker
R0865	488,115	3,626,287	1.48E-02	4.77E-05	Offsite	Worker
R0866	488,140	3,626,287	1.79E-02	5.78E-05	Offsite	Worker
R0873	488,315	3,626,287	3.35E-02	1.08E-04	Offsite	Worker
R0874	488,340	3,626,287	2.63E-02	8.49E-05	Offsite	Worker
R0875	488,365	3,626,287	1.99E-02	6.42E-05	Offsite	Worker
R0877	488,415	3,626,287	1.45E-02	4.69E-05	Offsite	Worker
R0878	488,440	3,626,287	1.27E-02	4.11E-05	Offsite	Worker
R0879	488,465	3,626,287	1.11E-02	3.58E-05	Offsite	Worker
R0880	488,490	3,626,287	1.07E-02	3.45E-05	Offsite	Worker
R0881	488,515	3,626,287	9.30E-03	3.01E-05	Offsite	Worker
R0882	488,540	3,626,287	7.92E-03	2.56E-05	Offsite	Worker
R0883	488,565	3,626,287	7.11E-03	2.30E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0884	488,590	3,626,287	6.53E-03	2.11E-05	Offsite	Worker
R0885	488,615	3,626,287	6.03E-03	1.95E-05	Offsite	Worker
R0886	488,640	3,626,287	5.64E-03	1.82E-05	Offsite	Worker
R0887	488,665	3,626,287	5.38E-03	1.74E-05	Offsite	Worker
R0888	488,690	3,626,287	5.19E-03	1.68E-05	Offsite	Worker
R0889	488,715	3,626,287	5.07E-03	1.64E-05	Offsite	Worker
R0890	488,740	3,626,287	4.96E-03	1.60E-05	Offsite	Worker
R0891	488,765	3,626,287	4.87E-03	1.57E-05	Offsite	Worker
R0892	488,790	3,626,287	4.82E-03	1.56E-05	Offsite	Worker
R0893	488,815	3,626,287	4.77E-03	1.54E-05	Offsite	Worker
R0894	488,840	3,626,287	5.65E-02	1.52E-05	Offsite	Resident
R0895	488,865	3,626,287	5.55E-02	1.49E-05	Offsite	Resident
R0896	488,890	3,626,287	5.49E-02	1.47E-05	Offsite	Resident
R0897	488,915	3,626,287	5.44E-02	1.46E-05	Offsite	Resident
R0898	488,940	3,626,287	5.44E-02	1.46E-05	Offsite	Resident
R0899	488,965	3,626,287	4.49E-03	1.45E-05	Offsite	Worker
R0900	488,990	3,626,287	4.51E-03	1.46E-05	Offsite	Worker
R0901	489,015	3,626,287	4.64E-03	1.50E-05	Offsite	Worker
R0902	489,040	3,626,287	4.97E-03	1.61E-05	Offsite	Worker
R0904	489,290	3,626,287	4.58E-02	1.23E-05	Offsite	Resident
R0905	489,315	3,626,287	4.59E-02	1.23E-05	Offsite	Resident
R0906	489,340	3,626,287	4.62E-02	1.24E-05	Offsite	Resident
R0907	489,365	3,626,287	3.91E-03	1.26E-05	Offsite	Worker
R0908	489,390	3,626,287	4.07E-03	1.32E-05	Offsite	Worker
R0917	489,615	3,626,287	6.82E-03	2.21E-05	Offsite	Worker
R0918	489,640	3,626,287	5.47E-03	1.77E-05	Offsite	Worker
R0919	489,665	3,626,287	4.54E-03	1.47E-05	Offsite	Worker
R0920	489,690	3,626,287	4.24E-03	1.37E-05	Offsite	Worker
R0921	489,715	3,626,287	4.16E-03	1.34E-05	Offsite	Worker
R0922	487,615	3,626,312	3.40E-03	1.10E-05	Offsite	Worker
R0923	487,640	3,626,312	3.52E-03	1.14E-05	Offsite	Worker
R0924	487,665	3,626,312	3.64E-03	1.18E-05	Offsite	Worker
R0925	487,690	3,626,312	3.77E-03	1.22E-05	Offsite	Worker
R0926	487,715	3,626,312	3.92E-03	1.27E-05	Offsite	Worker
R0927	487,740	3,626,312	4.08E-03	1.32E-05	Offsite	Worker
R0928	487,765	3,626,312	4.25E-03	1.37E-05	Offsite	Worker
R0929	487,790	3,626,312	4.45E-03	1.44E-05	Offsite	Worker
R0930	487,815	3,626,312	4.66E-03	1.51E-05	Offsite	Worker
R0931	487,840	3,626,312	4.90E-03	1.58E-05	Offsite	Worker
R0932	487,865	3,626,312	5.16E-03	1.67E-05	Offsite	Worker
R0933	487,890	3,626,312	5.47E-03	1.77E-05	Offsite	Worker
R0934	487,915	3,626,312	5.81E-03	1.88E-05	Offsite	Worker
R0935	487,940	3,626,312	6.22E-03	2.01E-05	Offsite	Worker
R0938	488,015	3,626,312	7.84E-03	2.54E-05	Offsite	Worker
R0939	488,040	3,626,312	8.58E-03	2.77E-05	Offsite	Worker
R0940	488,065	3,626,312	9.48E-03	3.06E-05	Offsite	Worker
R0941	488,090	3,626,312	1.06E-02	3.41E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R0942	488,115	3,626,312	1.19E-02	3.84E-05	Offsite	Worker
R0943	488,140	3,626,312	1.37E-02	4.41E-05	Offsite	Worker
R0944	488,165	3,626,312	1.63E-02	5.27E-05	Offsite	Worker
R0945	488,190	3,626,312	2.02E-02	6.53E-05	Offsite	Worker
R0955	488,440	3,626,312	1.45E-02	4.67E-05	Offsite	Worker
R0956	488,465	3,626,312	1.27E-02	4.11E-05	Offsite	Worker
R0957	488,490	3,626,312	1.21E-02	3.90E-05	Offsite	Worker
R0958	488,515	3,626,312	1.12E-02	3.61E-05	Offsite	Worker
R0959	488,540	3,626,312	9.35E-03	3.02E-05	Offsite	Worker
R0960	488,565	3,626,312	8.39E-03	2.71E-05	Offsite	Worker
R0961	488,590	3,626,312	7.51E-03	2.43E-05	Offsite	Worker
R0962	488,615	3,626,312	6.80E-03	2.20E-05	Offsite	Worker
R0963	488,640	3,626,312	6.22E-03	2.01E-05	Offsite	Worker
R0964	488,665	3,626,312	5.86E-03	1.89E-05	Offsite	Worker
R0965	488,690	3,626,312	5.71E-03	1.85E-05	Offsite	Worker
R0966	488,715	3,626,312	5.47E-03	1.77E-05	Offsite	Worker
R0967	488,740	3,626,312	5.36E-03	1.73E-05	Offsite	Worker
R0968	488,765	3,626,312	5.21E-03	1.69E-05	Offsite	Worker
R0969	488,790	3,626,312	5.16E-03	1.67E-05	Offsite	Worker
R0970	488,815	3,626,312	5.18E-03	1.67E-05	Offsite	Worker
R0971	488,840	3,626,312	5.01E-03	1.62E-05	Offsite	Worker
R0972	488,865	3,626,312	5.89E-02	1.58E-05	Offsite	Resident
R0973	488,890	3,626,312	5.80E-02	1.56E-05	Offsite	Resident
R0974	488,915	3,626,312	5.76E-02	1.55E-05	Offsite	Resident
R0975	488,940	3,626,312	5.80E-02	1.56E-05	Offsite	Resident
R0976	488,965	3,626,312	4.89E-03	1.58E-05	Offsite	Worker
R0977	488,990	3,626,312	4.96E-03	1.60E-05	Offsite	Worker
R0978	489,015	3,626,312	5.07E-03	1.64E-05	Offsite	Worker
R0979	489,040	3,626,312	5.25E-03	1.70E-05	Offsite	Worker
R0980	489,065	3,626,312	5.07E-03	1.64E-05	Offsite	Worker
R0981	489,090	3,626,312	4.67E-03	1.51E-05	Offsite	Worker
R0982	489,115	3,626,312	4.50E-03	1.45E-05	Offsite	Worker
R0983	489,240	3,626,312	4.15E-03	1.34E-05	Offsite	Worker
R0984	489,265	3,626,312	4.92E-02	1.32E-05	Offsite	Resident
R0986	489,315	3,626,312	4.85E-02	1.30E-05	Offsite	Resident
R0987	489,340	3,626,312	4.87E-02	1.31E-05	Offsite	Resident
R0988	489,365	3,626,312	4.10E-03	1.33E-05	Offsite	Worker
R0989	489,390	3,626,312	4.21E-03	1.36E-05	Offsite	Worker
R0999	489,640	3,626,312	5.31E-03	1.71E-05	Offsite	Worker
R1000	489,665	3,626,312	4.70E-03	1.52E-05	Offsite	Worker
R1001	489,690	3,626,312	4.48E-03	1.45E-05	Offsite	Worker
R1002	489,715	3,626,312	4.40E-03	1.42E-05	Offsite	Worker
R1003	489,740	3,626,312	4.39E-03	1.42E-05	Offsite	Worker
R1004	487,640	3,626,337	3.47E-03	1.12E-05	Offsite	Worker
R1005	487,665	3,626,337	3.59E-03	1.16E-05	Offsite	Worker
R1006	487,690	3,626,337	3.72E-03	1.20E-05	Offsite	Worker
R1007	487,715	3,626,337	3.86E-03	1.25E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1008	487,740	3,626,337	4.01E-03	1.29E-05	Offsite	Worker
R1009	487,765	3,626,337	4.17E-03	1.35E-05	Offsite	Worker
R1010	487,790	3,626,337	4.35E-03	1.40E-05	Offsite	Worker
R1011	487,815	3,626,337	4.55E-03	1.47E-05	Offsite	Worker
R1012	487,840	3,626,337	4.76E-03	1.54E-05	Offsite	Worker
R1013	487,865	3,626,337	5.00E-03	1.62E-05	Offsite	Worker
R1014	487,890	3,626,337	5.26E-03	1.70E-05	Offsite	Worker
R1015	487,915	3,626,337	5.57E-03	1.80E-05	Offsite	Worker
R1016	487,940	3,626,337	5.90E-03	1.91E-05	Offsite	Worker
R1017	487,965	3,626,337	6.28E-03	2.03E-05	Offsite	Worker
R1020	488,040	3,626,337	7.80E-03	2.52E-05	Offsite	Worker
R1021	488,065	3,626,337	8.47E-03	2.74E-05	Offsite	Worker
R1022	488,090	3,626,337	9.25E-03	2.99E-05	Offsite	Worker
R1023	488,115	3,626,337	1.02E-02	3.30E-05	Offsite	Worker
R1024	488,140	3,626,337	1.14E-02	3.67E-05	Offsite	Worker
R1025	488,165	3,626,337	1.29E-02	4.17E-05	Offsite	Worker
R1026	488,190	3,626,337	1.50E-02	4.85E-05	Offsite	Worker
R1027	488,215	3,626,337	1.82E-02	5.87E-05	Offsite	Worker
R1028	488,240	3,626,337	2.31E-02	7.46E-05	Offsite	Worker
R1034	488,390	3,626,337	3.45E-02	1.11E-04	Offsite	Worker
R1037	488,465	3,626,337	1.49E-02	4.81E-05	Offsite	Worker
R1038	488,490	3,626,337	1.37E-02	4.43E-05	Offsite	Worker
R1039	488,515	3,626,337	1.32E-02	4.25E-05	Offsite	Worker
R1040	488,540	3,626,337	1.22E-02	3.95E-05	Offsite	Worker
R1041	488,565	3,626,337	1.05E-02	3.38E-05	Offsite	Worker
R1042	488,590	3,626,337	9.36E-03	3.02E-05	Offsite	Worker
R1043	488,615	3,626,337	8.42E-03	2.72E-05	Offsite	Worker
R1044	488,640	3,626,337	7.58E-03	2.45E-05	Offsite	Worker
R1045	488,665	3,626,337	6.96E-03	2.25E-05	Offsite	Worker
R1046	488,690	3,626,337	6.53E-03	2.11E-05	Offsite	Worker
R1047	488,715	3,626,337	6.12E-03	1.98E-05	Offsite	Worker
R1048	488,740	3,626,337	5.89E-03	1.90E-05	Offsite	Worker
R1049	488,765	3,626,337	5.65E-03	1.83E-05	Offsite	Worker
R1050	488,790	3,626,337	5.60E-03	1.81E-05	Offsite	Worker
R1051	488,815	3,626,337	5.76E-03	1.86E-05	Offsite	Worker
R1052	488,840	3,626,337	5.38E-03	1.74E-05	Offsite	Worker
R1053	488,865	3,626,337	6.29E-02	1.69E-05	Offsite	Resident
R1054	488,890	3,626,337	6.15E-02	1.65E-05	Offsite	Resident
R1056	488,940	3,626,337	6.08E-02	1.63E-05	Offsite	Resident
R1057	488,965	3,626,337	6.09E-02	1.64E-05	Offsite	Resident
R1058	488,990	3,626,337	5.07E-03	1.64E-05	Offsite	Worker
R1059	489,015	3,626,337	5.14E-03	1.66E-05	Offsite	Worker
R1060	489,040	3,626,337	5.52E-03	1.78E-05	Offsite	Worker
R1061	489,065	3,626,337	5.70E-03	1.84E-05	Offsite	Worker
R1062	489,090	3,626,337	5.18E-03	1.67E-05	Offsite	Worker
R1063	489,115	3,626,337	4.88E-03	1.58E-05	Offsite	Worker
R1064	489,140	3,626,337	4.73E-03	1.53E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1065	489,165	3,626,337	4.68E-03	1.51E-05	Offsite	Worker
R1066	489,190	3,626,337	4.84E-03	1.56E-05	Offsite	Worker
R1067	489,215	3,626,337	4.64E-03	1.50E-05	Offsite	Worker
R1068	489,240	3,626,337	4.48E-03	1.45E-05	Offsite	Worker
R1069	489,265	3,626,337	4.41E-03	1.42E-05	Offsite	Worker
R1070	489,290	3,626,337	5.23E-02	1.41E-05	Offsite	Resident
R1072	489,340	3,626,337	5.19E-02	1.39E-05	Offsite	Resident
R1073	489,365	3,626,337	5.23E-02	1.41E-05	Offsite	Resident
R1074	489,390	3,626,337	4.41E-03	1.43E-05	Offsite	Worker
R1085	489,665	3,626,337	4.99E-03	1.61E-05	Offsite	Worker
R1086	489,690	3,626,337	4.81E-03	1.55E-05	Offsite	Worker
R1087	489,715	3,626,337	4.75E-03	1.54E-05	Offsite	Worker
R1088	489,740	3,626,337	4.72E-03	1.52E-05	Offsite	Worker
R1089	489,765	3,626,337	5.65E-02	1.52E-05	Offsite	Resident
R1090	489,790	3,626,337	5.63E-02	1.51E-05	Offsite	Resident
R1091	487,640	3,626,362	3.43E-03	1.11E-05	Offsite	Worker
R1092	487,665	3,626,362	3.54E-03	1.14E-05	Offsite	Worker
R1093	487,690	3,626,362	3.66E-03	1.18E-05	Offsite	Worker
R1094	487,715	3,626,362	3.79E-03	1.23E-05	Offsite	Worker
R1095	487,740	3,626,362	3.93E-03	1.27E-05	Offsite	Worker
R1096	487,765	3,626,362	4.09E-03	1.32E-05	Offsite	Worker
R1097	487,790	3,626,362	4.25E-03	1.37E-05	Offsite	Worker
R1098	487,815	3,626,362	4.43E-03	1.43E-05	Offsite	Worker
R1099	487,840	3,626,362	4.63E-03	1.50E-05	Offsite	Worker
R1100	487,865	3,626,362	4.85E-03	1.57E-05	Offsite	Worker
R1101	487,890	3,626,362	5.08E-03	1.64E-05	Offsite	Worker
R1102	487,915	3,626,362	5.35E-03	1.73E-05	Offsite	Worker
R1103	487,940	3,626,362	5.63E-03	1.82E-05	Offsite	Worker
R1104	487,965	3,626,362	5.95E-03	1.92E-05	Offsite	Worker
R1105	487,990	3,626,362	6.36E-03	2.05E-05	Offsite	Worker
R1108	488,065	3,626,362	7.75E-03	2.50E-05	Offsite	Worker
R1109	488,090	3,626,362	8.35E-03	2.70E-05	Offsite	Worker
R1110	488,115	3,626,362	9.05E-03	2.92E-05	Offsite	Worker
R1111	488,140	3,626,362	9.89E-03	3.20E-05	Offsite	Worker
R1112	488,165	3,626,362	1.09E-02	3.53E-05	Offsite	Worker
R1113	488,190	3,626,362	1.23E-02	3.97E-05	Offsite	Worker
R1114	488,215	3,626,362	1.40E-02	4.53E-05	Offsite	Worker
R1115	488,240	3,626,362	1.66E-02	5.36E-05	Offsite	Worker
R1116	488,265	3,626,362	2.06E-02	6.66E-05	Offsite	Worker
R1125	488,490	3,626,362	1.62E-02	5.22E-05	Offsite	Worker
R1126	488,515	3,626,362	1.49E-02	4.83E-05	Offsite	Worker
R1127	488,540	3,626,362	1.40E-02	4.54E-05	Offsite	Worker
R1128	488,565	3,626,362	1.33E-02	4.29E-05	Offsite	Worker
R1129	488,590	3,626,362	1.15E-02	3.71E-05	Offsite	Worker
R1130	488,615	3,626,362	1.06E-02	3.43E-05	Offsite	Worker
R1131	488,640	3,626,362	9.57E-03	3.09E-05	Offsite	Worker
R1132	488,665	3,626,362	8.62E-03	2.79E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1133	488,690	3,626,362	7.95E-03	2.57E-05	Offsite	Worker
R1134	488,715	3,626,362	7.30E-03	2.36E-05	Offsite	Worker
R1135	488,740	3,626,362	6.75E-03	2.18E-05	Offsite	Worker
R1136	488,765	3,626,362	6.30E-03	2.04E-05	Offsite	Worker
R1137	488,790	3,626,362	6.23E-03	2.01E-05	Offsite	Worker
R1138	488,815	3,626,362	6.47E-03	2.09E-05	Offsite	Worker
R1139	488,840	3,626,362	5.78E-03	1.87E-05	Offsite	Worker
R1140	488,865	3,626,362	5.55E-03	1.79E-05	Offsite	Worker
R1141	488,890	3,626,362	6.52E-02	1.75E-05	Offsite	Resident
R1142	488,915	3,626,362	6.45E-02	1.73E-05	Offsite	Resident
R1143	488,940	3,626,362	6.41E-02	1.72E-05	Offsite	Resident
R1144	488,965	3,626,362	6.38E-02	1.71E-05	Offsite	Resident
R1145	488,990	3,626,362	5.31E-03	1.72E-05	Offsite	Worker
R1146	489,015	3,626,362	5.39E-03	1.74E-05	Offsite	Worker
R1147	489,040	3,626,362	5.71E-03	1.85E-05	Offsite	Worker
R1148	489,065	3,626,362	6.32E-03	2.04E-05	Offsite	Worker
R1149	489,090	3,626,362	6.04E-03	1.95E-05	Offsite	Worker
R1150	489,115	3,626,362	5.47E-03	1.77E-05	Offsite	Worker
R1151	489,140	3,626,362	5.20E-03	1.68E-05	Offsite	Worker
R1152	489,165	3,626,362	5.12E-03	1.65E-05	Offsite	Worker
R1153	489,190	3,626,362	5.39E-03	1.74E-05	Offsite	Worker
R1154	489,215	3,626,362	5.10E-03	1.65E-05	Offsite	Worker
R1155	489,240	3,626,362	4.90E-03	1.59E-05	Offsite	Worker
R1156	489,265	3,626,362	4.80E-03	1.55E-05	Offsite	Worker
R1157	489,290	3,626,362	4.71E-03	1.52E-05	Offsite	Worker
R1158	489,315	3,626,362	5.58E-02	1.50E-05	Offsite	Resident
R1159	489,340	3,626,362	5.56E-02	1.49E-05	Offsite	Resident
R1160	489,365	3,626,362	5.58E-02	1.50E-05	Offsite	Resident
R1161	489,390	3,626,362	4.67E-03	1.51E-05	Offsite	Worker
R1172	489,665	3,626,362	5.48E-03	1.77E-05	Offsite	Worker
R1173	489,690	3,626,362	5.27E-03	1.70E-05	Offsite	Worker
R1174	489,715	3,626,362	5.18E-03	1.67E-05	Offsite	Worker
R1175	489,740	3,626,362	5.13E-03	1.66E-05	Offsite	Worker
R1176	489,765	3,626,362	5.07E-03	1.64E-05	Offsite	Worker
R1177	489,790	3,626,362	6.05E-02	1.63E-05	Offsite	Resident
R1178	489,815	3,626,362	6.00E-02	1.61E-05	Offsite	Resident
R1179	487,665	3,626,387	3.49E-03	1.13E-05	Offsite	Worker
R1180	487,690	3,626,387	3.61E-03	1.17E-05	Offsite	Worker
R1181	487,715	3,626,387	3.73E-03	1.21E-05	Offsite	Worker
R1182	487,740	3,626,387	3.87E-03	1.25E-05	Offsite	Worker
R1183	487,765	3,626,387	4.01E-03	1.29E-05	Offsite	Worker
R1184	487,790	3,626,387	4.16E-03	1.35E-05	Offsite	Worker
R1185	487,815	3,626,387	4.33E-03	1.40E-05	Offsite	Worker
R1186	487,840	3,626,387	4.51E-03	1.46E-05	Offsite	Worker
R1187	487,865	3,626,387	4.70E-03	1.52E-05	Offsite	Worker
R1188	487,890	3,626,387	4.92E-03	1.59E-05	Offsite	Worker
R1189	487,915	3,626,387	5.14E-03	1.66E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1190	487,940	3,626,387	5.40E-03	1.75E-05	Offsite	Worker
R1191	487,965	3,626,387	5.68E-03	1.83E-05	Offsite	Worker
R1192	487,990	3,626,387	6.01E-03	1.94E-05	Offsite	Worker
R1193	488,015	3,626,387	6.37E-03	2.06E-05	Offsite	Worker
R1196	488,090	3,626,387	7.66E-03	2.48E-05	Offsite	Worker
R1197	488,115	3,626,387	8.21E-03	2.65E-05	Offsite	Worker
R1198	488,140	3,626,387	8.84E-03	2.86E-05	Offsite	Worker
R1199	488,165	3,626,387	9.60E-03	3.10E-05	Offsite	Worker
R1200	488,190	3,626,387	1.05E-02	3.40E-05	Offsite	Worker
R1201	488,215	3,626,387	1.17E-02	3.77E-05	Offsite	Worker
R1202	488,240	3,626,387	1.32E-02	4.27E-05	Offsite	Worker
R1203	488,265	3,626,387	1.53E-02	4.95E-05	Offsite	Worker
R1204	488,290	3,626,387	1.60E-02	5.17E-05	Offsite	Worker
R1213	488,515	3,626,387	1.76E-02	5.69E-05	Offsite	Worker
R1214	488,540	3,626,387	1.63E-02	5.27E-05	Offsite	Worker
R1215	488,565	3,626,387	1.51E-02	4.89E-05	Offsite	Worker
R1216	488,590	3,626,387	1.37E-02	4.43E-05	Offsite	Worker
R1217	488,615	3,626,387	1.24E-02	4.02E-05	Offsite	Worker
R1218	488,640	3,626,387	1.14E-02	3.67E-05	Offsite	Worker
R1219	488,665	3,626,387	1.08E-02	3.49E-05	Offsite	Worker
R1220	488,690	3,626,387	9.76E-03	3.16E-05	Offsite	Worker
R1221	488,715	3,626,387	8.90E-03	2.87E-05	Offsite	Worker
R1222	488,740	3,626,387	8.23E-03	2.66E-05	Offsite	Worker
R1223	488,765	3,626,387	7.42E-03	2.40E-05	Offsite	Worker
R1224	488,790	3,626,387	7.36E-03	2.38E-05	Offsite	Worker
R1225	488,815	3,626,387	6.91E-03	2.23E-05	Offsite	Worker
R1226	488,840	3,626,387	7.41E-02	1.99E-05	Offsite	Resident
R1227	488,865	3,626,387	7.09E-02	1.91E-05	Offsite	Resident
R1228	488,890	3,626,387	6.96E-02	1.87E-05	Offsite	Resident
R1229	488,915	3,626,387	6.90E-02	1.85E-05	Offsite	Resident
R1230	488,940	3,626,387	6.80E-02	1.83E-05	Offsite	Resident
R1231	488,965	3,626,387	6.76E-02	1.82E-05	Offsite	Resident
R1232	488,990	3,626,387	5.63E-03	1.82E-05	Offsite	Worker
R1233	489,015	3,626,387	5.69E-03	1.84E-05	Offsite	Worker
R1234	489,040	3,626,387	5.88E-03	1.90E-05	Offsite	Worker
R1235	489,065	3,626,387	6.43E-03	2.08E-05	Offsite	Worker
R1236	489,090	3,626,387	7.07E-03	2.28E-05	Offsite	Worker
R1237	489,115	3,626,387	6.53E-03	2.11E-05	Offsite	Worker
R1238	489,140	3,626,387	5.92E-03	1.91E-05	Offsite	Worker
R1239	489,165	3,626,387	5.73E-03	1.85E-05	Offsite	Worker
R1240	489,190	3,626,387	6.07E-03	1.96E-05	Offsite	Worker
R1241	489,215	3,626,387	5.84E-03	1.89E-05	Offsite	Worker
R1242	489,240	3,626,387	5.47E-03	1.77E-05	Offsite	Worker
R1243	489,265	3,626,387	5.24E-03	1.69E-05	Offsite	Worker
R1244	489,290	3,626,387	5.12E-03	1.65E-05	Offsite	Worker
R1245	489,315	3,626,387	6.04E-02	1.62E-05	Offsite	Resident
R1246	489,340	3,626,387	6.00E-02	1.61E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1247	489,365	3,626,387	5.98E-02	1.61E-05	Offsite	Resident
R1248	489,390	3,626,387	6.00E-02	1.61E-05	Offsite	Resident
R1260	489,690	3,626,387	5.87E-03	1.90E-05	Offsite	Worker
R1261	489,715	3,626,387	5.71E-03	1.84E-05	Offsite	Worker
R1262	489,740	3,626,387	5.61E-03	1.81E-05	Offsite	Worker
R1263	489,765	3,626,387	5.52E-03	1.78E-05	Offsite	Worker
R1264	489,790	3,626,387	5.43E-03	1.76E-05	Offsite	Worker
R1265	489,815	3,626,387	6.46E-02	1.74E-05	Offsite	Resident
R1266	489,840	3,626,387	6.39E-02	1.72E-05	Offsite	Resident
R1267	487,690	3,626,412	3.56E-03	1.15E-05	Offsite	Worker
R1268	487,715	3,626,412	3.68E-03	1.19E-05	Offsite	Worker
R1269	487,740	3,626,412	3.80E-03	1.23E-05	Offsite	Worker
R1270	487,765	3,626,412	3.94E-03	1.27E-05	Offsite	Worker
R1271	487,790	3,626,412	4.08E-03	1.32E-05	Offsite	Worker
R1272	487,815	3,626,412	4.24E-03	1.37E-05	Offsite	Worker
R1273	487,840	3,626,412	4.40E-03	1.42E-05	Offsite	Worker
R1274	487,865	3,626,412	4.58E-03	1.48E-05	Offsite	Worker
R1275	487,890	3,626,412	4.78E-03	1.54E-05	Offsite	Worker
R1276	487,915	3,626,412	4.98E-03	1.61E-05	Offsite	Worker
R1277	487,940	3,626,412	5.21E-03	1.68E-05	Offsite	Worker
R1278	487,965	3,626,412	5.45E-03	1.76E-05	Offsite	Worker
R1279	487,990	3,626,412	5.72E-03	1.85E-05	Offsite	Worker
R1280	488,015	3,626,412	6.04E-03	1.95E-05	Offsite	Worker
R1281	488,040	3,626,412	6.38E-03	2.06E-05	Offsite	Worker
R1284	488,115	3,626,412	7.58E-03	2.45E-05	Offsite	Worker
R1285	488,140	3,626,412	8.09E-03	2.61E-05	Offsite	Worker
R1286	488,165	3,626,412	8.67E-03	2.80E-05	Offsite	Worker
R1287	488,190	3,626,412	9.36E-03	3.03E-05	Offsite	Worker
R1288	488,215	3,626,412	1.02E-02	3.30E-05	Offsite	Worker
R1289	488,240	3,626,412	1.13E-02	3.64E-05	Offsite	Worker
R1290	488,265	3,626,412	1.24E-02	4.02E-05	Offsite	Worker
R1292	488,315	3,626,412	1.56E-02	5.05E-05	Offsite	Worker
R1293	488,340	3,626,412	2.05E-02	6.64E-05	Offsite	Worker
R1302	488,565	3,626,412	1.78E-02	5.75E-05	Offsite	Worker
R1303	488,590	3,626,412	1.60E-02	5.16E-05	Offsite	Worker
R1304	488,615	3,626,412	1.48E-02	4.79E-05	Offsite	Worker
R1305	488,640	3,626,412	1.39E-02	4.51E-05	Offsite	Worker
R1306	488,665	3,626,412	1.24E-02	4.00E-05	Offsite	Worker
R1307	488,690	3,626,412	1.14E-02	3.69E-05	Offsite	Worker
R1308	488,715	3,626,412	1.09E-02	3.53E-05	Offsite	Worker
R1309	488,740	3,626,412	1.01E-02	3.26E-05	Offsite	Worker
R1310	488,765	3,626,412	9.13E-03	2.95E-05	Offsite	Worker
R1311	488,790	3,626,412	8.83E-03	2.85E-05	Offsite	Worker
R1312	488,815	3,626,412	9.07E-02	2.44E-05	Offsite	Resident
R1313	488,840	3,626,412	8.08E-02	2.17E-05	Offsite	Resident
R1314	488,865	3,626,412	7.68E-02	2.06E-05	Offsite	Resident
R1315	488,890	3,626,412	7.52E-02	2.02E-05	Offsite	Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1316	488,915	3,626,412	7.43E-02	2.00E-05	Offsite	Resident
R1317	488,940	3,626,412	7.29E-02	1.96E-05	Offsite	Resident
R1318	488,965	3,626,412	7.22E-02	1.94E-05	Offsite	Resident
R1319	488,990	3,626,412	6.00E-03	1.94E-05	Offsite	Worker
R1320	489,015	3,626,412	6.05E-03	1.95E-05	Offsite	Worker
R1321	489,040	3,626,412	6.16E-03	1.99E-05	Offsite	Worker
R1322	489,065	3,626,412	6.45E-03	2.09E-05	Offsite	Worker
R1323	489,090	3,626,412	7.12E-03	2.30E-05	Offsite	Worker
R1324	489,115	3,626,412	7.88E-03	2.55E-05	Offsite	Worker
R1325	489,140	3,626,412	7.18E-03	2.32E-05	Offsite	Worker
R1326	489,165	3,626,412	6.75E-03	2.18E-05	Offsite	Worker
R1327	489,190	3,626,412	7.13E-03	2.30E-05	Offsite	Worker
R1328	489,215	3,626,412	6.48E-03	2.09E-05	Offsite	Worker
R1329	489,240	3,626,412	5.98E-03	1.93E-05	Offsite	Worker
R1330	489,265	3,626,412	5.73E-03	1.85E-05	Offsite	Worker
R1331	489,290	3,626,412	5.58E-03	1.80E-05	Offsite	Worker
R1332	489,315	3,626,412	6.59E-02	1.77E-05	Offsite	Resident
R1334	489,365	3,626,412	6.51E-02	1.75E-05	Offsite	Resident
R1335	489,390	3,626,412	6.51E-02	1.75E-05	Offsite	Resident
R1348	489,715	3,626,412	6.44E-03	2.08E-05	Offsite	Worker
R1349	489,740	3,626,412	6.14E-03	1.99E-05	Offsite	Worker
R1350	489,765	3,626,412	6.01E-03	1.94E-05	Offsite	Worker
R1351	489,790	3,626,412	5.88E-03	1.90E-05	Offsite	Worker
R1352	489,815	3,626,412	6.99E-02	1.88E-05	Offsite	Resident
R1353	489,840	3,626,412	5.77E-03	1.87E-05	Offsite	Worker
R1354	489,865	3,626,412	5.71E-03	1.84E-05	Offsite	Worker
R1355	487,715	3,626,437	3.62E-03	1.17E-05	Offsite	Worker
R1356	487,740	3,626,437	3.74E-03	1.21E-05	Offsite	Worker
R1357	487,765	3,626,437	3.87E-03	1.25E-05	Offsite	Worker
R1358	487,790	3,626,437	4.01E-03	1.29E-05	Offsite	Worker
R1359	487,815	3,626,437	4.15E-03	1.34E-05	Offsite	Worker
R1360	487,840	3,626,437	4.31E-03	1.39E-05	Offsite	Worker
R1361	487,865	3,626,437	4.48E-03	1.45E-05	Offsite	Worker
R1362	487,890	3,626,437	4.66E-03	1.50E-05	Offsite	Worker
R1363	487,915	3,626,437	4.84E-03	1.57E-05	Offsite	Worker
R1364	487,940	3,626,437	5.04E-03	1.63E-05	Offsite	Worker
R1365	487,965	3,626,437	5.26E-03	1.70E-05	Offsite	Worker
R1366	487,990	3,626,437	5.49E-03	1.77E-05	Offsite	Worker
R1367	488,015	3,626,437	5.74E-03	1.86E-05	Offsite	Worker
R1368	488,040	3,626,437	6.04E-03	1.95E-05	Offsite	Worker
R1369	488,065	3,626,437	6.33E-03	2.05E-05	Offsite	Worker
R1372	488,140	3,626,437	7.51E-03	2.43E-05	Offsite	Worker
R1373	488,165	3,626,437	7.98E-03	2.58E-05	Offsite	Worker
R1374	488,190	3,626,437	8.53E-03	2.76E-05	Offsite	Worker
R1375	488,215	3,626,437	9.17E-03	2.96E-05	Offsite	Worker
R1376	488,240	3,626,437	9.92E-03	3.21E-05	Offsite	Worker
R1377	488,265	3,626,437	1.03E-02	3.34E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1379	488,315	3,626,437	1.34E-02	4.33E-05	Offsite	Worker
R1380	488,340	3,626,437	1.55E-02	5.02E-05	Offsite	Worker
R1381	488,365	3,626,437	1.88E-02	6.06E-05	Offsite	Worker
R1390	488,590	3,626,437	1.92E-02	6.21E-05	Offsite	Worker
R1391	488,615	3,626,437	1.69E-02	5.47E-05	Offsite	Worker
R1392	488,640	3,626,437	1.57E-02	5.08E-05	Offsite	Worker
R1393	488,665	3,626,437	1.43E-02	4.61E-05	Offsite	Worker
R1394	488,690	3,626,437	1.29E-02	4.15E-05	Offsite	Worker
R1395	488,715	3,626,437	1.23E-02	3.98E-05	Offsite	Worker
R1396	488,740	3,626,437	1.17E-02	3.77E-05	Offsite	Worker
R1397	488,765	3,626,437	1.10E-02	3.55E-05	Offsite	Worker
R1398	488,790	3,626,437	1.01E-02	3.28E-05	Offsite	Worker
R1399	488,815	3,626,437	1.07E-01	2.88E-05	Offsite	Resident
R1400	488,840	3,626,437	9.36E-02	2.52E-05	Offsite	Resident
R1401	488,865	3,626,437	8.70E-02	2.34E-05	Offsite	Resident
R1402	488,890	3,626,437	8.45E-02	2.27E-05	Offsite	Resident
R1403	488,915	3,626,437	8.04E-02	2.16E-05	Offsite	Resident
R1404	488,940	3,626,437	7.90E-02	2.12E-05	Offsite	Resident
R1405	488,965	3,626,437	7.78E-02	2.09E-05	Offsite	Resident
R1406	488,990	3,626,437	6.42E-03	2.08E-05	Offsite	Worker
R1407	489,015	3,626,437	6.46E-03	2.09E-05	Offsite	Worker
R1408	489,040	3,626,437	6.55E-03	2.12E-05	Offsite	Worker
R1409	489,065	3,626,437	6.74E-03	2.18E-05	Offsite	Worker
R1410	489,090	3,626,437	7.18E-03	2.32E-05	Offsite	Worker
R1411	489,115	3,626,437	7.86E-03	2.54E-05	Offsite	Worker
R1412	489,140	3,626,437	8.90E-03	2.87E-05	Offsite	Worker
R1413	489,165	3,626,437	8.67E-03	2.80E-05	Offsite	Worker
R1414	489,190	3,626,437	8.31E-03	2.68E-05	Offsite	Worker
R1415	489,215	3,626,437	7.14E-03	2.31E-05	Offsite	Worker
R1416	489,240	3,626,437	6.62E-03	2.14E-05	Offsite	Worker
R1417	489,265	3,626,437	6.33E-03	2.05E-05	Offsite	Worker
R1418	489,290	3,626,437	6.16E-03	1.99E-05	Offsite	Worker
R1419	489,315	3,626,437	7.28E-02	1.95E-05	Offsite	Resident
R1420	489,340	3,626,437	7.20E-02	1.93E-05	Offsite	Resident
R1421	489,365	3,626,437	7.18E-02	1.93E-05	Offsite	Resident
R1422	489,390	3,626,437	5.99E-03	1.93E-05	Offsite	Worker
R1435	489,715	3,626,437	7.03E-03	2.27E-05	Offsite	Worker
R1436	489,740	3,626,437	6.76E-03	2.18E-05	Offsite	Worker
R1437	489,765	3,626,437	6.57E-03	2.12E-05	Offsite	Worker
R1438	489,790	3,626,437	6.40E-03	2.07E-05	Offsite	Worker
R1439	489,815	3,626,437	6.35E-03	2.05E-05	Offsite	Worker
R1440	489,840	3,626,437	6.34E-03	2.05E-05	Offsite	Worker
R1441	489,865	3,626,437	6.29E-03	2.03E-05	Offsite	Worker
R1442	489,890	3,626,437	6.38E-03	2.06E-05	Offsite	Worker
R1443	487,740	3,626,462	3.68E-03	1.19E-05	Offsite	Worker
R1444	487,765	3,626,462	3.80E-03	1.23E-05	Offsite	Worker
R1445	487,790	3,626,462	3.93E-03	1.27E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1446	487,815	3,626,462	4.07E-03	1.32E-05	Offsite	Worker
R1447	487,840	3,626,462	4.22E-03	1.36E-05	Offsite	Worker
R1448	487,865	3,626,462	4.37E-03	1.41E-05	Offsite	Worker
R1449	487,890	3,626,462	4.54E-03	1.47E-05	Offsite	Worker
R1450	487,915	3,626,462	4.71E-03	1.52E-05	Offsite	Worker
R1451	487,940	3,626,462	4.90E-03	1.58E-05	Offsite	Worker
R1452	487,965	3,626,462	5.10E-03	1.65E-05	Offsite	Worker
R1453	487,990	3,626,462	5.30E-03	1.71E-05	Offsite	Worker
R1454	488,015	3,626,462	5.53E-03	1.79E-05	Offsite	Worker
R1455	488,040	3,626,462	5.78E-03	1.87E-05	Offsite	Worker
R1456	488,065	3,626,462	6.04E-03	1.95E-05	Offsite	Worker
R1457	488,090	3,626,462	6.35E-03	2.05E-05	Offsite	Worker
R1458	488,115	3,626,462	6.70E-03	2.17E-05	Offsite	Worker
R1460	488,165	3,626,462	7.45E-03	2.41E-05	Offsite	Worker
R1461	488,190	3,626,462	7.91E-03	2.56E-05	Offsite	Worker
R1462	488,215	3,626,462	8.43E-03	2.73E-05	Offsite	Worker
R1463	488,240	3,626,462	8.98E-03	2.90E-05	Offsite	Worker
R1465	488,290	3,626,462	1.05E-02	3.38E-05	Offsite	Worker
R1466	488,315	3,626,462	1.15E-02	3.73E-05	Offsite	Worker
R1467	488,340	3,626,462	1.29E-02	4.16E-05	Offsite	Worker
R1468	488,365	3,626,462	1.47E-02	4.74E-05	Offsite	Worker
R1479	488,640	3,626,462	1.85E-02	5.98E-05	Offsite	Worker
R1480	488,665	3,626,462	1.62E-02	5.24E-05	Offsite	Worker
R1481	488,690	3,626,462	1.53E-02	4.94E-05	Offsite	Worker
R1482	488,715	3,626,462	1.40E-02	4.52E-05	Offsite	Worker
R1483	488,740	3,626,462	1.32E-02	4.27E-05	Offsite	Worker
R1484	488,765	3,626,462	1.25E-02	4.04E-05	Offsite	Worker
R1486	488,815	3,626,462	1.10E-02	3.55E-05	Offsite	Worker
R1487	488,840	3,626,462	9.82E-03	3.17E-05	Offsite	Worker
R1488	488,865	3,626,462	8.86E-03	2.86E-05	Offsite	Worker
R1489	488,890	3,626,462	9.87E-02	2.65E-05	Offsite	Resident
R1490	488,915	3,626,462	9.21E-02	2.47E-05	Offsite	Resident
R1491	488,940	3,626,462	8.91E-02	2.39E-05	Offsite	Resident
R1492	488,965	3,626,462	8.60E-02	2.31E-05	Offsite	Resident
R1493	488,990	3,626,462	8.47E-02	2.28E-05	Offsite	Resident
R1494	489,015	3,626,462	6.99E-03	2.26E-05	Offsite	Worker
R1495	489,040	3,626,462	7.05E-03	2.28E-05	Offsite	Worker
R1496	489,065	3,626,462	7.17E-03	2.32E-05	Offsite	Worker
R1497	489,090	3,626,462	7.43E-03	2.40E-05	Offsite	Worker
R1498	489,115	3,626,462	7.77E-03	2.51E-05	Offsite	Worker
R1499	489,140	3,626,462	8.30E-03	2.68E-05	Offsite	Worker
R1500	489,165	3,626,462	9.88E-03	3.19E-05	Offsite	Worker
R1501	489,190	3,626,462	9.55E-03	3.09E-05	Offsite	Worker
R1502	489,215	3,626,462	8.06E-03	2.60E-05	Offsite	Worker
R1503	489,240	3,626,462	7.42E-03	2.40E-05	Offsite	Worker
R1504	489,265	3,626,462	7.09E-03	2.29E-05	Offsite	Worker
R1505	489,290	3,626,462	6.89E-03	2.23E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1506	489,315	3,626,462	6.77E-03	2.19E-05	Offsite	Worker
R1507	489,340	3,626,462	6.69E-03	2.16E-05	Offsite	Worker
R1508	489,365	3,626,462	6.68E-03	2.16E-05	Offsite	Worker
R1509	489,390	3,626,462	6.69E-03	2.16E-05	Offsite	Worker
R1523	489,740	3,626,462	7.60E-03	2.46E-05	Offsite	Worker
R1524	489,765	3,626,462	7.27E-03	2.35E-05	Offsite	Worker
R1525	489,790	3,626,462	7.09E-03	2.29E-05	Offsite	Worker
R1526	489,815	3,626,462	6.98E-03	2.26E-05	Offsite	Worker
R1527	489,840	3,626,462	6.94E-03	2.24E-05	Offsite	Worker
R1528	489,865	3,626,462	7.13E-03	2.31E-05	Offsite	Worker
R1529	489,890	3,626,462	7.09E-03	2.29E-05	Offsite	Worker
R1530	489,915	3,626,462	6.43E-03	2.08E-05	Offsite	Worker
R1532	487,790	3,626,487	3.87E-03	1.25E-05	Offsite	Worker
R1533	487,815	3,626,487	4.00E-03	1.29E-05	Offsite	Worker
R1534	487,840	3,626,487	4.13E-03	1.34E-05	Offsite	Worker
R1535	487,865	3,626,487	4.29E-03	1.39E-05	Offsite	Worker
R1536	487,890	3,626,487	4.44E-03	1.43E-05	Offsite	Worker
R1537	487,915	3,626,487	4.60E-03	1.49E-05	Offsite	Worker
R1538	487,940	3,626,487	4.77E-03	1.54E-05	Offsite	Worker
R1539	487,965	3,626,487	4.95E-03	1.60E-05	Offsite	Worker
R1540	487,990	3,626,487	5.14E-03	1.66E-05	Offsite	Worker
R1541	488,015	3,626,487	5.34E-03	1.73E-05	Offsite	Worker
R1542	488,040	3,626,487	5.57E-03	1.80E-05	Offsite	Worker
R1543	488,065	3,626,487	5.80E-03	1.87E-05	Offsite	Worker
R1544	488,090	3,626,487	6.05E-03	1.96E-05	Offsite	Worker
R1545	488,115	3,626,487	6.36E-03	2.06E-05	Offsite	Worker
R1546	488,140	3,626,487	6.69E-03	2.16E-05	Offsite	Worker
R1548	488,190	3,626,487	7.42E-03	2.40E-05	Offsite	Worker
R1549	488,215	3,626,487	7.85E-03	2.54E-05	Offsite	Worker
R1550	488,240	3,626,487	8.31E-03	2.68E-05	Offsite	Worker
R1552	488,290	3,626,487	9.49E-03	3.07E-05	Offsite	Worker
R1553	488,315	3,626,487	1.03E-02	3.32E-05	Offsite	Worker
R1554	488,340	3,626,487	1.12E-02	3.62E-05	Offsite	Worker
R1556	488,390	3,626,487	1.39E-02	4.48E-05	Offsite	Worker
R1557	488,415	3,626,487	1.59E-02	5.15E-05	Offsite	Worker
R1567	488,665	3,626,487	2.01E-02	6.50E-05	Offsite	Worker
R1568	488,690	3,626,487	1.75E-02	5.67E-05	Offsite	Worker
R1569	488,715	3,626,487	1.62E-02	5.24E-05	Offsite	Worker
R1570	488,740	3,626,487	1.55E-02	5.00E-05	Offsite	Worker
R1572	488,790	3,626,487	1.38E-02	4.47E-05	Offsite	Worker
R1573	488,815	3,626,487	1.35E-02	4.37E-05	Offsite	Worker
R1574	488,840	3,626,487	1.23E-02	3.97E-05	Offsite	Worker
R1575	488,865	3,626,487	1.11E-02	3.59E-05	Offsite	Worker
R1576	488,890	3,626,487	1.05E-02	3.38E-05	Offsite	Worker
R1577	488,915	3,626,487	1.16E-01	3.12E-05	Offsite	Resident
R1578	488,940	3,626,487	1.09E-01	2.92E-05	Offsite	Resident
R1579	488,965	3,626,487	1.04E-01	2.79E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1580	488,990	3,626,487	8.27E-03	2.67E-05	Offsite	Worker
R1581	489,015	3,626,487	8.07E-03	2.61E-05	Offsite	Worker
R1582	489,040	3,626,487	7.93E-03	2.56E-05	Offsite	Worker
R1583	489,065	3,626,487	7.88E-03	2.55E-05	Offsite	Worker
R1584	489,090	3,626,487	7.98E-03	2.58E-05	Offsite	Worker
R1585	489,115	3,626,487	8.17E-03	2.64E-05	Offsite	Worker
R1586	489,140	3,626,487	8.42E-03	2.72E-05	Offsite	Worker
R1587	489,165	3,626,487	9.51E-03	3.07E-05	Offsite	Worker
R1588	489,190	3,626,487	1.14E-02	3.69E-05	Offsite	Worker
R1589	489,215	3,626,487	9.79E-03	3.16E-05	Offsite	Worker
R1590	489,240	3,626,487	8.49E-03	2.74E-05	Offsite	Worker
R1591	489,265	3,626,487	8.03E-03	2.59E-05	Offsite	Worker
R1592	489,290	3,626,487	7.80E-03	2.52E-05	Offsite	Worker
R1593	489,315	3,626,487	7.67E-03	2.48E-05	Offsite	Worker
R1594	489,340	3,626,487	7.60E-03	2.46E-05	Offsite	Worker
R1595	489,365	3,626,487	7.60E-03	2.46E-05	Offsite	Worker
R1596	489,390	3,626,487	7.62E-03	2.46E-05	Offsite	Worker
R1611	489,765	3,626,487	8.17E-03	2.64E-05	Offsite	Worker
R1612	489,790	3,626,487	7.95E-03	2.57E-05	Offsite	Worker
R1613	489,815	3,626,487	7.76E-03	2.51E-05	Offsite	Worker
R1614	489,840	3,626,487	7.72E-03	2.49E-05	Offsite	Worker
R1615	489,865	3,626,487	8.05E-03	2.60E-05	Offsite	Worker
R1616	489,890	3,626,487	7.83E-03	2.53E-05	Offsite	Worker
R1617	489,915	3,626,487	7.09E-03	2.29E-05	Offsite	Worker
R1618	489,940	3,626,487	6.83E-03	2.21E-05	Offsite	Worker
R1621	487,865	3,626,512	4.20E-03	1.36E-05	Offsite	Worker
R1622	487,890	3,626,512	4.35E-03	1.40E-05	Offsite	Worker
R1623	487,915	3,626,512	4.50E-03	1.45E-05	Offsite	Worker
R1624	487,940	3,626,512	4.65E-03	1.50E-05	Offsite	Worker
R1625	487,965	3,626,512	4.82E-03	1.56E-05	Offsite	Worker
R1626	487,990	3,626,512	5.00E-03	1.62E-05	Offsite	Worker
R1627	488,015	3,626,512	5.17E-03	1.67E-05	Offsite	Worker
R1628	488,040	3,626,512	5.38E-03	1.74E-05	Offsite	Worker
R1629	488,065	3,626,512	5.59E-03	1.81E-05	Offsite	Worker
R1630	488,090	3,626,512	5.82E-03	1.88E-05	Offsite	Worker
R1631	488,115	3,626,512	6.09E-03	1.97E-05	Offsite	Worker
R1632	488,140	3,626,512	6.33E-03	2.05E-05	Offsite	Worker
R1633	488,165	3,626,512	6.69E-03	2.16E-05	Offsite	Worker
R1635	488,215	3,626,512	7.38E-03	2.38E-05	Offsite	Worker
R1637	488,265	3,626,512	8.22E-03	2.66E-05	Offsite	Worker
R1638	488,290	3,626,512	8.74E-03	2.83E-05	Offsite	Worker
R1639	488,315	3,626,512	9.34E-03	3.02E-05	Offsite	Worker
R1645	488,465	3,626,512	1.74E-02	5.63E-05	Offsite	Worker
R1655	488,715	3,626,512	1.94E-02	6.28E-05	Offsite	Worker
R1656	488,740	3,626,512	1.76E-02	5.67E-05	Offsite	Worker
R1657	488,765	3,626,512	1.66E-02	5.38E-05	Offsite	Worker
R1658	488,790	3,626,512	1.60E-02	5.16E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1659	488,815	3,626,512	1.54E-02	4.99E-05	Offsite	Worker
R1660	488,840	3,626,512	1.48E-02	4.80E-05	Offsite	Worker
R1661	488,865	3,626,512	1.40E-02	4.51E-05	Offsite	Worker
R1662	488,890	3,626,512	1.34E-02	4.32E-05	Offsite	Worker
R1663	488,915	3,626,512	1.50E-01	4.03E-05	Offsite	Resident
R1664	488,940	3,626,512	1.44E-01	3.86E-05	Offsite	Resident
R1665	488,965	3,626,512	1.37E-01	3.69E-05	Offsite	Resident
R1666	488,990	3,626,512	1.10E-02	3.56E-05	Offsite	Worker
R1667	489,015	3,626,512	1.06E-02	3.41E-05	Offsite	Worker
R1668	489,040	3,626,512	1.04E-02	3.37E-05	Offsite	Worker
R1669	489,065	3,626,512	1.18E-01	3.18E-05	Offsite	Resident
R1670	489,090	3,626,512	1.14E-01	3.05E-05	Offsite	Resident
R1671	489,115	3,626,512	9.25E-03	2.99E-05	Offsite	Worker
R1672	489,140	3,626,512	9.31E-03	3.01E-05	Offsite	Worker
R1673	489,165	3,626,512	9.97E-03	3.22E-05	Offsite	Worker
R1674	489,190	3,626,512	1.22E-02	3.95E-05	Offsite	Worker
R1675	489,215	3,626,512	1.21E-02	3.92E-05	Offsite	Worker
R1676	489,240	3,626,512	9.96E-03	3.22E-05	Offsite	Worker
R1677	489,265	3,626,512	9.17E-03	2.96E-05	Offsite	Worker
R1678	489,290	3,626,512	8.93E-03	2.89E-05	Offsite	Worker
R1679	489,315	3,626,512	8.83E-03	2.85E-05	Offsite	Worker
R1680	489,340	3,626,512	8.83E-03	2.85E-05	Offsite	Worker
R1681	489,365	3,626,512	8.85E-03	2.86E-05	Offsite	Worker
R1682	489,390	3,626,512	8.90E-03	2.88E-05	Offsite	Worker
R1697	489,765	3,626,512	9.53E-03	3.08E-05	Offsite	Worker
R1698	489,790	3,626,512	9.25E-03	2.99E-05	Offsite	Worker
R1699	489,815	3,626,512	9.00E-03	2.91E-05	Offsite	Worker
R1700	489,840	3,626,512	8.92E-03	2.88E-05	Offsite	Worker
R1701	489,865	3,626,512	9.49E-03	3.07E-05	Offsite	Worker
R1702	489,890	3,626,512	8.99E-03	2.91E-05	Offsite	Worker
R1703	489,915	3,626,512	8.19E-03	2.65E-05	Offsite	Worker
R1704	489,940	3,626,512	7.81E-03	2.52E-05	Offsite	Worker
R1705	489,965	3,626,512	7.49E-03	2.42E-05	Offsite	Worker
R1706	487,840	3,626,537	4.81E-02	1.29E-05	Offsite	Resident
R1707	487,865	3,626,537	4.97E-02	1.34E-05	Offsite	Resident
R1709	487,915	3,626,537	4.40E-03	1.42E-05	Offsite	Worker
R1710	487,940	3,626,537	4.55E-03	1.47E-05	Offsite	Worker
R1711	487,965	3,626,537	4.70E-03	1.52E-05	Offsite	Worker
R1712	487,990	3,626,537	4.86E-03	1.57E-05	Offsite	Worker
R1713	488,015	3,626,537	5.03E-03	1.63E-05	Offsite	Worker
R1714	488,040	3,626,537	5.21E-03	1.68E-05	Offsite	Worker
R1715	488,065	3,626,537	5.41E-03	1.75E-05	Offsite	Worker
R1716	488,090	3,626,537	5.62E-03	1.82E-05	Offsite	Worker
R1720	488,190	3,626,537	6.67E-03	2.16E-05	Offsite	Worker
R1723	488,265	3,626,537	7.73E-03	2.50E-05	Offsite	Worker
R1724	488,290	3,626,537	8.16E-03	2.64E-05	Offsite	Worker
R1732	488,490	3,626,537	1.63E-02	5.26E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1743	488,765	3,626,537	1.98E-02	6.40E-05	Offsite	Worker
R1744	488,790	3,626,537	1.88E-02	6.07E-05	Offsite	Worker
R1745	488,815	3,626,537	1.84E-02	5.95E-05	Offsite	Worker
R1746	488,840	3,626,537	1.73E-02	5.59E-05	Offsite	Worker
R1747	488,865	3,626,537	1.72E-02	5.55E-05	Offsite	Worker
R1748	488,890	3,626,537	1.69E-02	5.46E-05	Offsite	Worker
R1749	488,915	3,626,537	1.58E-02	5.10E-05	Offsite	Worker
R1750	488,940	3,626,537	1.55E-02	5.02E-05	Offsite	Worker
R1751	488,965	3,626,537	1.50E-02	4.84E-05	Offsite	Worker
R1752	488,990	3,626,537	1.46E-02	4.70E-05	Offsite	Worker
R1753	489,015	3,626,537	1.43E-02	4.63E-05	Offsite	Worker
R1754	489,040	3,626,537	1.39E-02	4.48E-05	Offsite	Worker
R1755	489,065	3,626,537	1.63E-01	4.39E-05	Offsite	Resident
R1756	489,090	3,626,537	1.54E-01	4.14E-05	Offsite	Resident
R1757	489,115	3,626,537	1.23E-02	3.96E-05	Offsite	Worker
R1758	489,140	3,626,537	1.18E-02	3.81E-05	Offsite	Worker
R1759	489,165	3,626,537	1.18E-02	3.82E-05	Offsite	Worker
R1760	489,190	3,626,537	1.32E-02	4.26E-05	Offsite	Worker
R1761	489,215	3,626,537	1.50E-02	4.85E-05	Offsite	Worker
R1762	489,240	3,626,537	1.22E-02	3.93E-05	Offsite	Worker
R1763	489,265	3,626,537	1.08E-02	3.50E-05	Offsite	Worker
R1764	489,290	3,626,537	1.06E-02	3.42E-05	Offsite	Worker
R1765	489,315	3,626,537	1.06E-02	3.42E-05	Offsite	Worker
R1766	489,340	3,626,537	1.07E-02	3.44E-05	Offsite	Worker
R1767	489,365	3,626,537	1.08E-02	3.48E-05	Offsite	Worker
R1768	489,390	3,626,537	1.09E-02	3.52E-05	Offsite	Worker
R1784	489,790	3,626,537	1.15E-02	3.72E-05	Offsite	Worker
R1785	489,815	3,626,537	1.13E-02	3.66E-05	Offsite	Worker
R1786	489,840	3,626,537	1.11E-02	3.59E-05	Offsite	Worker
R1787	489,865	3,626,537	1.13E-02	3.65E-05	Offsite	Worker
R1788	489,890	3,626,537	1.08E-02	3.49E-05	Offsite	Worker
R1789	489,915	3,626,537	1.00E-02	3.24E-05	Offsite	Worker
R1790	489,940	3,626,537	9.72E-03	3.14E-05	Offsite	Worker
R1791	489,965	3,626,537	9.44E-03	3.05E-05	Offsite	Worker
R1792	489,990	3,626,537	9.29E-03	3.00E-05	Offsite	Worker
R1793	487,890	3,626,562	4.19E-03	1.35E-05	Offsite	Worker
R1794	487,915	3,626,562	4.32E-03	1.40E-05	Offsite	Worker
R1796	487,965	3,626,562	4.59E-03	1.48E-05	Offsite	Worker
R1797	487,990	3,626,562	4.75E-03	1.53E-05	Offsite	Worker
R1798	488,015	3,626,562	4.90E-03	1.58E-05	Offsite	Worker
R1799	488,040	3,626,562	5.07E-03	1.64E-05	Offsite	Worker
R1800	488,065	3,626,562	5.25E-03	1.70E-05	Offsite	Worker
R1806	488,215	3,626,562	6.68E-03	2.16E-05	Offsite	Worker
R1818	488,515	3,626,562	1.54E-02	4.97E-05	Offsite	Worker
R1829	488,790	3,626,562	2.33E-02	7.53E-05	Offsite	Worker
R1830	488,815	3,626,562	2.21E-02	7.13E-05	Offsite	Worker
R1831	488,840	3,626,562	2.10E-02	6.79E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1832	488,865	3,626,562	2.02E-02	6.54E-05	Offsite	Worker
R1833	488,890	3,626,562	1.96E-02	6.33E-05	Offsite	Worker
R1834	488,915	3,626,562	1.86E-02	6.01E-05	Offsite	Worker
R1835	488,940	3,626,562	1.79E-02	5.79E-05	Offsite	Worker
R1836	488,965	3,626,562	1.80E-02	5.81E-05	Offsite	Worker
R1837	488,990	3,626,562	1.76E-02	5.69E-05	Offsite	Worker
R1838	489,015	3,626,562	1.74E-02	5.64E-05	Offsite	Worker
R1839	489,040	3,626,562	1.74E-02	5.61E-05	Offsite	Worker
R1840	489,065	3,626,562	1.72E-02	5.55E-05	Offsite	Worker
R1841	489,090	3,626,562	1.73E-02	5.58E-05	Offsite	Worker
R1842	489,115	3,626,562	1.67E-02	5.39E-05	Offsite	Worker
R1843	489,140	3,626,562	1.63E-02	5.28E-05	Offsite	Worker
R1844	489,165	3,626,562	1.63E-02	5.26E-05	Offsite	Worker
R1845	489,190	3,626,562	1.62E-02	5.24E-05	Offsite	Worker
R1846	489,215	3,626,562	1.70E-02	5.48E-05	Offsite	Worker
R1847	489,240	3,626,562	1.59E-02	5.13E-05	Offsite	Worker
R1848	489,265	3,626,562	1.43E-02	4.63E-05	Offsite	Worker
R1849	489,290	3,626,562	1.43E-02	4.62E-05	Offsite	Worker
R1850	489,315	3,626,562	1.44E-02	4.64E-05	Offsite	Worker
R1851	489,340	3,626,562	1.45E-02	4.70E-05	Offsite	Worker
R1852	489,365	3,626,562	1.46E-02	4.72E-05	Offsite	Worker
R1853	489,390	3,626,562	1.50E-02	4.84E-05	Offsite	Worker
R1869	489,790	3,626,562	1.56E-02	5.05E-05	Offsite	Worker
R1870	489,815	3,626,562	1.49E-02	4.83E-05	Offsite	Worker
R1871	489,840	3,626,562	1.43E-02	4.62E-05	Offsite	Worker
R1872	489,865	3,626,562	1.35E-02	4.37E-05	Offsite	Worker
R1873	489,890	3,626,562	1.30E-02	4.19E-05	Offsite	Worker
R1874	489,915	3,626,562	1.26E-02	4.07E-05	Offsite	Worker
R1875	489,940	3,626,562	1.21E-02	3.90E-05	Offsite	Worker
R1876	489,965	3,626,562	1.16E-02	3.75E-05	Offsite	Worker
R1877	489,990	3,626,562	1.10E-02	3.56E-05	Offsite	Worker
R1878	487,940	3,626,587	4.37E-03	1.41E-05	Offsite	Worker
R1880	487,990	3,626,587	4.64E-03	1.50E-05	Offsite	Worker
R1881	488,015	3,626,587	4.78E-03	1.55E-05	Offsite	Worker
R1882	488,040	3,626,587	4.94E-03	1.60E-05	Offsite	Worker
R1890	488,240	3,626,587	6.64E-03	2.15E-05	Offsite	Worker
R1891	488,265	3,626,587	6.98E-03	2.26E-05	Offsite	Worker
R1892	488,290	3,626,587	7.31E-03	2.36E-05	Offsite	Worker
R1903	488,565	3,626,587	1.67E-02	5.39E-05	Offsite	Worker
R1913	488,815	3,626,587	2.81E-02	9.08E-05	Offsite	Worker
R1914	488,840	3,626,587	2.55E-02	8.25E-05	Offsite	Worker
R1915	488,865	3,626,587	2.38E-02	7.68E-05	Offsite	Worker
R1916	488,890	3,626,587	2.27E-02	7.34E-05	Offsite	Worker
R1917	488,915	3,626,587	2.11E-02	6.81E-05	Offsite	Worker
R1918	488,940	3,626,587	2.04E-02	6.59E-05	Offsite	Worker
R1919	488,965	3,626,587	2.05E-02	6.63E-05	Offsite	Worker
R1920	488,990	3,626,587	2.02E-02	6.54E-05	Offsite	Worker



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R1921	489,015	3,626,587	1.97E-02	6.38E-05	Offsite	Worker
R1922	489,040	3,626,587	1.96E-02	6.33E-05	Offsite	Worker
R1923	489,065	3,626,587	1.95E-02	6.29E-05	Offsite	Worker
R1924	489,090	3,626,587	1.94E-02	6.27E-05	Offsite	Worker
R1925	489,115	3,626,587	1.93E-02	6.22E-05	Offsite	Worker
R1926	489,140	3,626,587	1.92E-02	6.19E-05	Offsite	Worker
R1927	489,165	3,626,587	1.89E-02	6.11E-05	Offsite	Worker
R1928	489,190	3,626,587	1.88E-02	6.06E-05	Offsite	Worker
R1929	489,215	3,626,587	1.92E-02	6.19E-05	Offsite	Worker
R1930	489,240	3,626,587	1.96E-02	6.35E-05	Offsite	Worker
R1931	489,265	3,626,587	2.01E-02	6.48E-05	Offsite	Worker
R1932	489,290	3,626,587	2.05E-02	6.61E-05	Offsite	Worker
R1933	489,315	3,626,587	2.13E-02	6.90E-05	Offsite	Worker
R1934	489,340	3,626,587	2.24E-02	7.23E-05	Offsite	Worker
R1935	489,365	3,626,587	2.29E-02	7.39E-05	Offsite	Worker
R1951	489,765	3,626,587	2.01E-02	6.50E-05	Offsite	Worker
R1952	489,790	3,626,587	1.89E-02	6.12E-05	Offsite	Worker
R1953	489,815	3,626,587	1.77E-02	5.73E-05	Offsite	Worker
R1954	489,840	3,626,587	1.66E-02	5.36E-05	Offsite	Worker
R1955	489,865	3,626,587	1.55E-02	5.02E-05	Offsite	Worker
R1956	489,890	3,626,587	1.48E-02	4.77E-05	Offsite	Worker
R1957	489,915	3,626,587	1.40E-02	4.53E-05	Offsite	Worker
R1958	489,940	3,626,587	1.31E-02	4.24E-05	Offsite	Worker
R1959	489,965	3,626,587	1.26E-02	4.06E-05	Offsite	Worker
R1960	489,990	3,626,587	1.19E-02	3.85E-05	Offsite	Worker
R1961	490,015	3,626,587	1.14E-02	3.69E-05	Offsite	Worker
R1962	487,965	3,626,612	4.42E-03	1.43E-05	Offsite	Worker
R1964	488,015	3,626,612	4.68E-03	1.51E-05	Offsite	Worker
R1965	488,040	3,626,612	4.83E-03	1.56E-05	Onsite	Non-Resident
R1966	488,065	3,626,612	4.98E-03	1.61E-05	Onsite	Non-Resident
R1987	488,590	3,626,612	1.57E-02	5.08E-05	Offsite	Worker
R1998	488,865	3,626,612	3.05E-02	9.87E-05	Offsite	Worker
R1999	488,890	3,626,612	2.78E-02	9.00E-05	Offsite	Worker
R2000	488,915	3,626,612	2.54E-02	8.19E-05	Offsite	Worker
R2001	488,940	3,626,612	2.42E-02	7.83E-05	Offsite	Worker
R2002	488,965	3,626,612	2.38E-02	7.70E-05	Offsite	Worker
R2003	488,990	3,626,612	2.31E-02	7.48E-05	Offsite	Worker
R2004	489,015	3,626,612	2.25E-02	7.28E-05	Offsite	Worker
R2005	489,040	3,626,612	2.22E-02	7.18E-05	Offsite	Worker
R2006	489,065	3,626,612	2.19E-02	7.08E-05	Offsite	Worker
R2007	489,090	3,626,612	2.15E-02	6.96E-05	Offsite	Worker
R2008	489,115	3,626,612	2.16E-02	6.99E-05	Offsite	Worker
R2009	489,140	3,626,612	2.20E-02	7.12E-05	Offsite	Worker
R2010	489,165	3,626,612	2.24E-02	7.23E-05	Offsite	Worker
R2011	489,190	3,626,612	2.29E-02	7.40E-05	Offsite	Worker
R2012	489,215	3,626,612	2.30E-02	7.44E-05	Offsite	Worker
R2013	489,240	3,626,612	2.38E-02	7.70E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2014	489,265	3,626,612	2.35E-02	7.59E-05	Offsite	Worker
R2015	489,290	3,626,612	2.52E-02	8.14E-05	Offsite	Worker
R2016	489,315	3,626,612	2.77E-02	8.94E-05	Offsite	Worker
R2034	489,765	3,626,612	2.20E-02	7.12E-05	Offsite	Worker
R2035	489,790	3,626,612	2.03E-02	6.55E-05	Offsite	Worker
R2036	489,815	3,626,612	1.87E-02	6.04E-05	Offsite	Worker
R2037	489,840	3,626,612	1.73E-02	5.59E-05	Offsite	Worker
R2038	489,865	3,626,612	1.62E-02	5.22E-05	Offsite	Worker
R2039	489,890	3,626,612	1.52E-02	4.90E-05	Offsite	Worker
R2040	489,915	3,626,612	1.44E-02	4.64E-05	Offsite	Worker
R2041	489,940	3,626,612	1.36E-02	4.39E-05	Offsite	Worker
R2042	489,965	3,626,612	1.29E-02	4.18E-05	Offsite	Worker
R2043	489,990	3,626,612	1.23E-02	3.97E-05	Offsite	Worker
R2044	490,015	3,626,612	1.17E-02	3.77E-05	Offsite	Worker
R2045	488,015	3,626,637	4.59E-03	1.48E-05	Onsite	Non-Resident
R2046	488,040	3,626,637	4.73E-03	1.53E-05	Onsite	Non-Resident
R2047	488,065	3,626,637	4.89E-03	1.58E-05	Onsite	Non-Resident
R2048	488,090	3,626,637	5.05E-03	1.63E-05	Onsite	Non-Resident
R2049	488,115	3,626,637	5.22E-03	1.69E-05	Onsite	Non-Resident
R2050	488,140	3,626,637	5.37E-03	1.73E-05	Onsite	Non-Resident
R2069	488,615	3,626,637	1.50E-02	4.83E-05	Offsite	Worker
R2082	488,940	3,626,637	3.07E-02	9.92E-05	Offsite	Worker
R2083	488,965	3,626,637	2.90E-02	9.36E-05	Offsite	Worker
R2084	488,990	3,626,637	2.76E-02	8.93E-05	Offsite	Worker
R2085	489,015	3,626,637	2.65E-02	8.55E-05	Offsite	Worker
R2086	489,040	3,626,637	2.60E-02	8.39E-05	Offsite	Worker
R2087	489,065	3,626,637	2.51E-02	8.12E-05	Offsite	Worker
R2088	489,090	3,626,637	2.42E-02	7.83E-05	Offsite	Worker
R2089	489,115	3,626,637	2.40E-02	7.77E-05	Offsite	Worker
R2090	489,140	3,626,637	2.44E-02	7.89E-05	Offsite	Worker
R2091	489,165	3,626,637	2.48E-02	8.01E-05	Offsite	Worker
R2092	489,190	3,626,637	2.54E-02	8.20E-05	Offsite	Worker
R2093	489,215	3,626,637	2.54E-02	8.19E-05	Offsite	Worker
R2094	489,240	3,626,637	2.68E-02	8.65E-05	Offsite	Worker
R2095	489,265	3,626,637	2.73E-02	8.84E-05	Offsite	Worker
R2096	489,290	3,626,637	2.94E-02	9.51E-05	Offsite	Worker
R2116	489,790	3,626,637	2.14E-02	6.90E-05	Offsite	Worker
R2117	489,815	3,626,637	1.96E-02	6.34E-05	Offsite	Worker
R2118	489,840	3,626,637	1.81E-02	5.86E-05	Offsite	Worker
R2119	489,865	3,626,637	1.67E-02	5.39E-05	Offsite	Worker
R2120	489,890	3,626,637	1.56E-02	5.05E-05	Offsite	Worker
R2121	489,915	3,626,637	1.47E-02	4.75E-05	Offsite	Worker
R2122	489,940	3,626,637	1.39E-02	4.50E-05	Offsite	Worker
R2123	489,965	3,626,637	1.32E-02	4.25E-05	Offsite	Worker
R2124	489,990	3,626,637	1.25E-02	4.03E-05	Offsite	Worker
R2125	490,015	3,626,637	1.18E-02	3.82E-05	Offsite	Worker
R2126	488,040	3,626,662	4.65E-03	1.50E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2127	488,065	3,626,662	4.81E-03	1.55E-05	Onsite	Non-Resident
R2128	488,090	3,626,662	4.96E-03	1.60E-05	Onsite	Non-Resident
R2129	488,115	3,626,662	5.12E-03	1.66E-05	Onsite	Non-Resident
R2130	488,140	3,626,662	5.29E-03	1.71E-05	Onsite	Non-Resident
R2131	488,165	3,626,662	5.43E-03	1.75E-05	Onsite	Non-Resident
R2150	488,640	3,626,662	1.43E-02	4.61E-05	Offsite	Worker
R2151	488,665	3,626,662	1.60E-02	5.17E-05	Offsite	Worker
R2165	489,015	3,626,662	3.31E-02	1.07E-04	Offsite	Worker
R2166	489,040	3,626,662	3.14E-02	1.01E-04	Offsite	Worker
R2167	489,065	3,626,662	2.97E-02	9.61E-05	Offsite	Worker
R2168	489,090	3,626,662	2.80E-02	9.04E-05	Offsite	Worker
R2169	489,115	3,626,662	2.75E-02	8.88E-05	Offsite	Worker
R2170	489,140	3,626,662	2.78E-02	8.99E-05	Offsite	Worker
R2171	489,165	3,626,662	2.80E-02	9.04E-05	Offsite	Worker
R2172	489,190	3,626,662	2.87E-02	9.26E-05	Offsite	Worker
R2173	489,215	3,626,662	2.90E-02	9.37E-05	Offsite	Worker
R2174	489,240	3,626,662	3.07E-02	9.93E-05	Offsite	Worker
R2175	489,265	3,626,662	3.19E-02	1.03E-04	Offsite	Worker
R2200	489,890	3,626,662	1.60E-02	5.18E-05	Offsite	Worker
R2201	489,915	3,626,662	1.50E-02	4.84E-05	Offsite	Worker
R2202	489,940	3,626,662	1.41E-02	4.56E-05	Offsite	Worker
R2203	489,965	3,626,662	1.33E-02	4.31E-05	Offsite	Worker
R2204	489,990	3,626,662	1.26E-02	4.07E-05	Offsite	Worker
R2205	490,015	3,626,662	1.20E-02	3.86E-05	Offsite	Worker
R2206	490,040	3,626,662	1.13E-02	3.67E-05	Offsite	Worker
R2207	488,090	3,626,687	4.86E-03	1.57E-05	Onsite	Non-Resident
R2208	488,115	3,626,687	5.01E-03	1.62E-05	Onsite	Non-Resident
R2209	488,140	3,626,687	5.17E-03	1.67E-05	Onsite	Non-Resident
R2210	488,165	3,626,687	5.31E-03	1.72E-05	Onsite	Non-Resident
R2211	488,190	3,626,687	5.49E-03	1.77E-05	Onsite	Non-Resident
R2212	488,215	3,626,687	5.67E-03	1.83E-05	Onsite	Non-Resident
R2230	488,665	3,626,687	1.36E-02	4.41E-05	Offsite	Worker
R2231	488,690	3,626,687	1.51E-02	4.87E-05	Offsite	Worker
R2286	488,115	3,626,712	4.91E-03	1.59E-05	Onsite	Non-Resident
R2287	488,140	3,626,712	5.06E-03	1.63E-05	Onsite	Non-Resident
R2288	488,165	3,626,712	5.20E-03	1.68E-05	Onsite	Non-Resident
R2289	488,190	3,626,712	5.37E-03	1.74E-05	Onsite	Non-Resident
R2290	488,215	3,626,712	5.54E-03	1.79E-05	Onsite	Non-Resident
R2291	488,240	3,626,712	5.72E-03	1.85E-05	Onsite	Non-Resident
R2292	488,265	3,626,712	5.92E-03	1.91E-05	Onsite	Non-Resident
R2309	488,690	3,626,712	1.31E-02	4.24E-05	Offsite	Worker
R2310	488,715	3,626,712	1.42E-02	4.60E-05	Offsite	Worker
R2311	488,740	3,626,712	1.56E-02	5.03E-05	Offsite	Worker
R2312	488,765	3,626,712	1.73E-02	5.59E-05	Offsite	Worker
R2364	488,165	3,626,737	5.10E-03	1.65E-05	Onsite	Non-Resident
R2365	488,190	3,626,737	5.26E-03	1.70E-05	Onsite	Non-Resident
R2366	488,215	3,626,737	5.43E-03	1.75E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2367	488,240	3,626,737	5.60E-03	1.81E-05	Onsite	Non-Resident
R2368	488,265	3,626,737	5.79E-03	1.87E-05	Onsite	Non-Resident
R2369	488,290	3,626,737	5.98E-03	1.93E-05	Onsite	Non-Resident
R2370	488,315	3,626,737	6.18E-03	2.00E-05	Onsite	Non-Resident
R2385	488,690	3,626,737	1.19E-02	3.85E-05	Offsite	Worker
R2386	488,715	3,626,737	1.27E-02	4.11E-05	Offsite	Worker
R2387	488,740	3,626,737	1.36E-02	4.39E-05	Offsite	Worker
R2388	488,765	3,626,737	1.47E-02	4.74E-05	Offsite	Worker
R2389	488,790	3,626,737	1.60E-02	5.16E-05	Offsite	Worker
R2390	488,815	3,626,737	1.75E-02	5.67E-05	Offsite	Worker
R2391	488,840	3,626,737	1.95E-02	6.31E-05	Offsite	Worker
R2440	488,190	3,626,762	5.17E-03	1.67E-05	Onsite	Non-Resident
R2441	488,215	3,626,762	5.33E-03	1.72E-05	Onsite	Non-Resident
R2442	488,240	3,626,762	5.49E-03	1.78E-05	Onsite	Non-Resident
R2443	488,265	3,626,762	5.67E-03	1.83E-05	Onsite	Non-Resident
R2444	488,290	3,626,762	5.85E-03	1.89E-05	Onsite	Non-Resident
R2445	488,315	3,626,762	6.05E-03	1.95E-05	Onsite	Non-Resident
R2446	488,340	3,626,762	6.25E-03	2.02E-05	Onsite	Non-Resident
R2447	488,365	3,626,762	6.46E-03	2.09E-05	Onsite	Non-Resident
R2448	488,390	3,626,762	6.68E-03	2.16E-05	Onsite	Non-Resident
R2460	488,690	3,626,762	1.11E-02	3.59E-05	Offsite	Worker
R2461	488,715	3,626,762	1.17E-02	3.79E-05	Offsite	Worker
R2462	488,740	3,626,762	1.24E-02	4.01E-05	Offsite	Worker
R2463	488,765	3,626,762	1.32E-02	4.26E-05	Offsite	Worker
R2464	488,790	3,626,762	1.41E-02	4.55E-05	Offsite	Worker
R2465	488,815	3,626,762	1.51E-02	4.87E-05	Offsite	Worker
R2466	488,840	3,626,762	1.62E-02	5.23E-05	Offsite	Worker
R2467	488,865	3,626,762	1.76E-02	5.68E-05	Offsite	Worker
R2468	488,890	3,626,762	1.91E-02	6.19E-05	Offsite	Worker
R2515	488,240	3,626,787	5.39E-03	1.74E-05	Onsite	Non-Resident
R2516	488,265	3,626,787	5.56E-03	1.80E-05	Onsite	Non-Resident
R2517	488,290	3,626,787	5.74E-03	1.86E-05	Onsite	Non-Resident
R2518	488,315	3,626,787	5.92E-03	1.91E-05	Onsite	Non-Resident
R2519	488,340	3,626,787	6.12E-03	1.98E-05	Onsite	Non-Resident
R2520	488,365	3,626,787	6.32E-03	2.04E-05	Onsite	Non-Resident
R2521	488,390	3,626,787	6.54E-03	2.11E-05	Onsite	Non-Resident
R2522	488,415	3,626,787	6.76E-03	2.19E-05	Onsite	Non-Resident
R2523	488,440	3,626,787	7.00E-03	2.26E-05	Onsite	Non-Resident
R2535	488,740	3,626,787	1.16E-02	3.73E-05	Offsite	Worker
R2536	488,765	3,626,787	1.22E-02	3.94E-05	Offsite	Worker
R2537	488,790	3,626,787	1.29E-02	4.16E-05	Offsite	Worker
R2538	488,815	3,626,787	1.36E-02	4.41E-05	Offsite	Worker
R2539	488,840	3,626,787	1.44E-02	4.67E-05	Offsite	Worker
R2540	488,865	3,626,787	1.53E-02	4.96E-05	Offsite	Worker
R2541	488,890	3,626,787	1.64E-02	5.30E-05	Offsite	Worker
R2542	488,915	3,626,787	1.76E-02	5.68E-05	Offsite	Worker
R2543	488,940	3,626,787	1.88E-02	6.08E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2544	488,965	3,626,787	2.01E-02	6.51E-05	Offsite	Worker
R2545	488,990	3,626,787	2.17E-02	7.01E-05	Offsite	Worker
R2546	489,015	3,626,787	2.34E-02	7.55E-05	Offsite	Worker
R2588	488,265	3,626,812	5.47E-03	1.77E-05	Onsite	Non-Resident
R2589	488,290	3,626,812	5.64E-03	1.82E-05	Onsite	Non-Resident
R2590	488,315	3,626,812	5.82E-03	1.88E-05	Onsite	Non-Resident
R2591	488,340	3,626,812	6.00E-03	1.94E-05	Onsite	Non-Resident
R2592	488,365	3,626,812	6.20E-03	2.00E-05	Onsite	Non-Resident
R2593	488,390	3,626,812	6.40E-03	2.07E-05	Onsite	Non-Resident
R2594	488,415	3,626,812	6.62E-03	2.14E-05	Onsite	Non-Resident
R2595	488,440	3,626,812	6.84E-03	2.21E-05	Onsite	Non-Resident
R2596	488,465	3,626,812	7.08E-03	2.29E-05	Onsite	Non-Resident
R2597	488,490	3,626,812	7.33E-03	2.37E-05	Onsite	Non-Resident
R2610	488,815	3,626,812	1.27E-02	4.11E-05	Offsite	Worker
R2611	488,840	3,626,812	1.34E-02	4.33E-05	Offsite	Worker
R2612	488,865	3,626,812	1.41E-02	4.55E-05	Offsite	Worker
R2613	488,890	3,626,812	1.49E-02	4.81E-05	Offsite	Worker
R2614	488,915	3,626,812	1.58E-02	5.10E-05	Offsite	Worker
R2615	488,940	3,626,812	1.67E-02	5.40E-05	Offsite	Worker
R2616	488,965	3,626,812	1.77E-02	5.71E-05	Offsite	Worker
R2617	488,990	3,626,812	1.87E-02	6.04E-05	Offsite	Worker
R2618	489,015	3,626,812	1.99E-02	6.42E-05	Offsite	Worker
R2619	489,040	3,626,812	2.11E-02	6.82E-05	Offsite	Worker
R2620	489,065	3,626,812	2.24E-02	7.24E-05	Offsite	Worker
R2621	489,090	3,626,812	2.38E-02	7.70E-05	Offsite	Worker
R2622	489,115	3,626,812	2.53E-02	8.18E-05	Offsite	Worker
R2623	489,140	3,626,812	2.69E-02	8.68E-05	Offsite	Worker
R2624	489,165	3,626,812	2.85E-02	9.22E-05	Offsite	Worker
R2660	488,290	3,626,837	5.55E-03	1.79E-05	Onsite	Non-Resident
R2661	488,315	3,626,837	5.72E-03	1.85E-05	Onsite	Non-Resident
R2662	488,340	3,626,837	5.90E-03	1.91E-05	Onsite	Non-Resident
R2663	488,365	3,626,837	6.09E-03	1.97E-05	Onsite	Non-Resident
R2664	488,390	3,626,837	6.28E-03	2.03E-05	Onsite	Non-Resident
R2665	488,415	3,626,837	6.49E-03	2.10E-05	Onsite	Non-Resident
R2666	488,440	3,626,837	6.71E-03	2.17E-05	Onsite	Non-Resident
R2667	488,465	3,626,837	6.93E-03	2.24E-05	Onsite	Non-Resident
R2668	488,490	3,626,837	7.18E-03	2.32E-05	Onsite	Non-Resident
R2669	488,515	3,626,837	7.43E-03	2.40E-05	Onsite	Non-Resident
R2670	488,540	3,626,837	7.71E-03	2.49E-05	Onsite	Non-Resident
R2671	488,565	3,626,837	7.98E-03	2.58E-05	Onsite	Non-Resident
R2682	488,840	3,626,837	1.27E-02	4.10E-05	Offsite	Worker
R2683	488,865	3,626,837	1.33E-02	4.29E-05	Offsite	Worker
R2684	488,890	3,626,837	1.40E-02	4.52E-05	Offsite	Worker
R2685	488,915	3,626,837	1.47E-02	4.76E-05	Offsite	Worker
R2686	488,940	3,626,837	1.55E-02	5.01E-05	Offsite	Worker
R2687	488,965	3,626,837	1.63E-02	5.28E-05	Offsite	Worker
R2688	488,990	3,626,837	1.72E-02	5.55E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2689	489,015	3,626,837	1.82E-02	5.87E-05	Offsite	Worker
R2690	489,040	3,626,837	1.92E-02	6.21E-05	Offsite	Worker
R2691	489,065	3,626,837	2.03E-02	6.56E-05	Offsite	Worker
R2692	489,090	3,626,837	2.15E-02	6.95E-05	Offsite	Worker
R2693	489,115	3,626,837	2.27E-02	7.35E-05	Offsite	Worker
R2694	489,140	3,626,837	2.41E-02	7.80E-05	Offsite	Worker
R2695	489,165	3,626,837	2.57E-02	8.31E-05	Offsite	Worker
R2696	489,190	3,626,837	2.76E-02	8.91E-05	Offsite	Worker
R2717	489,715	3,626,837	2.73E-02	8.82E-05	Offsite	Worker
R2718	489,740	3,626,837	2.49E-02	8.05E-05	Offsite	Worker
R2719	489,765	3,626,837	2.27E-02	7.34E-05	Offsite	Worker
R2720	489,790	3,626,837	2.08E-02	6.71E-05	Offsite	Worker
R2721	489,815	3,626,837	1.91E-02	6.18E-05	Offsite	Worker
R2722	489,840	3,626,837	1.77E-02	5.73E-05	Offsite	Worker
R2723	489,865	3,626,837	1.65E-02	5.35E-05	Offsite	Worker
R2724	489,890	3,626,837	1.55E-02	5.00E-05	Offsite	Worker
R2731	488,340	3,626,862	5.81E-03	1.88E-05	Onsite	Non-Resident
R2732	488,365	3,626,862	5.99E-03	1.94E-05	Onsite	Non-Resident
R2733	488,390	3,626,862	6.18E-03	2.00E-05	Onsite	Non-Resident
R2734	488,415	3,626,862	6.38E-03	2.06E-05	Onsite	Non-Resident
R2735	488,440	3,626,862	6.59E-03	2.13E-05	Onsite	Non-Resident
R2736	488,465	3,626,862	6.81E-03	2.20E-05	Onsite	Non-Resident
R2737	488,490	3,626,862	7.05E-03	2.28E-05	Onsite	Non-Resident
R2738	488,515	3,626,862	7.29E-03	2.36E-05	Onsite	Non-Resident
R2739	488,540	3,626,862	7.55E-03	2.44E-05	Onsite	Non-Resident
R2740	488,565	3,626,862	7.83E-03	2.53E-05	Onsite	Non-Resident
R2741	488,590	3,626,862	8.12E-03	2.62E-05	Onsite	Non-Resident
R2742	488,615	3,626,862	8.42E-03	2.72E-05	Onsite	Non-Resident
R2753	488,890	3,626,862	1.61E-01	4.31E-05	Offsite	Resident
R2754	488,915	3,626,862	1.41E-02	4.54E-05	Offsite	Worker
R2755	488,940	3,626,862	1.47E-02	4.76E-05	Offsite	Worker
R2756	488,965	3,626,862	1.55E-02	5.01E-05	Offsite	Worker
R2757	488,990	3,626,862	1.63E-02	5.27E-05	Offsite	Worker
R2758	489,015	3,626,862	1.72E-02	5.56E-05	Offsite	Worker
R2759	489,040	3,626,862	1.82E-02	5.87E-05	Offsite	Worker
R2760	489,065	3,626,862	1.92E-02	6.21E-05	Offsite	Worker
R2761	489,090	3,626,862	2.04E-02	6.58E-05	Offsite	Worker
R2762	489,115	3,626,862	2.15E-02	6.95E-05	Offsite	Worker
R2763	489,140	3,626,862	2.29E-02	7.39E-05	Offsite	Worker
R2764	489,165	3,626,862	2.45E-02	7.91E-05	Offsite	Worker
R2765	489,190	3,626,862	2.63E-02	8.50E-05	Offsite	Worker
R2766	489,215	3,626,862	2.84E-02	9.19E-05	Offsite	Worker
R2785	489,690	3,626,862	2.94E-02	9.50E-05	Offsite	Worker
R2786	489,715	3,626,862	2.65E-02	8.57E-05	Offsite	Worker
R2787	489,740	3,626,862	2.41E-02	7.79E-05	Offsite	Worker
R2788	489,765	3,626,862	2.21E-02	7.13E-05	Offsite	Worker
R2789	489,790	3,626,862	2.03E-02	6.56E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2790	489,815	3,626,862	1.88E-02	6.06E-05	Offsite	Worker
R2791	489,840	3,626,862	1.74E-02	5.62E-05	Offsite	Worker
R2792	489,865	3,626,862	1.62E-02	5.24E-05	Offsite	Worker
R2800	488,365	3,626,887	5.90E-03	1.91E-05	Onsite	Non-Resident
R2801	488,390	3,626,887	6.09E-03	1.97E-05	Onsite	Non-Resident
R2802	488,415	3,626,887	6.28E-03	2.03E-05	Onsite	Non-Resident
R2803	488,440	3,626,887	6.49E-03	2.10E-05	Onsite	Non-Resident
R2804	488,465	3,626,887	6.70E-03	2.17E-05	Onsite	Non-Resident
R2805	488,490	3,626,887	6.93E-03	2.24E-05	Onsite	Non-Resident
R2806	488,515	3,626,887	7.17E-03	2.32E-05	Onsite	Non-Resident
R2807	488,540	3,626,887	7.43E-03	2.40E-05	Onsite	Non-Resident
R2808	488,565	3,626,887	7.69E-03	2.49E-05	Onsite	Non-Resident
R2809	488,590	3,626,887	7.97E-03	2.58E-05	Onsite	Non-Resident
R2810	488,615	3,626,887	8.27E-03	2.67E-05	Onsite	Non-Resident
R2811	488,640	3,626,887	8.58E-03	2.77E-05	Onsite	Non-Resident
R2812	488,665	3,626,887	8.91E-03	2.88E-05	Onsite	Non-Resident
R2825	488,990	3,626,887	1.58E-02	5.10E-05	Offsite	Worker
R2826	489,015	3,626,887	1.67E-02	5.38E-05	Offsite	Worker
R2827	489,040	3,626,887	1.76E-02	5.68E-05	Offsite	Worker
R2828	489,065	3,626,887	1.86E-02	6.01E-05	Offsite	Worker
R2829	489,090	3,626,887	1.97E-02	6.36E-05	Offsite	Worker
R2830	489,115	3,626,887	2.09E-02	6.75E-05	Offsite	Worker
R2831	489,140	3,626,887	2.23E-02	7.20E-05	Offsite	Worker
R2832	489,165	3,626,887	2.39E-02	7.73E-05	Offsite	Worker
R2833	489,190	3,626,887	2.58E-02	8.34E-05	Offsite	Worker
R2834	489,215	3,626,887	2.80E-02	9.06E-05	Offsite	Worker
R2835	489,240	3,626,887	3.08E-02	9.96E-05	Offsite	Worker
R2860	489,865	3,626,887	1.59E-02	5.12E-05	Offsite	Worker
R2861	489,890	3,626,887	1.48E-02	4.79E-05	Offsite	Worker
R2862	489,915	3,626,887	1.39E-02	4.51E-05	Offsite	Worker
R2863	489,940	3,626,887	1.32E-02	4.26E-05	Offsite	Worker
R2864	489,965	3,626,887	1.25E-02	4.03E-05	Offsite	Worker
R2865	489,990	3,626,887	1.18E-02	3.83E-05	Offsite	Worker
R2866	490,015	3,626,887	1.12E-02	3.64E-05	Offsite	Worker
R2868	488,415	3,626,912	6.20E-03	2.00E-05	Onsite	Non-Resident
R2869	488,440	3,626,912	6.40E-03	2.07E-05	Onsite	Non-Resident
R2870	488,465	3,626,912	6.61E-03	2.14E-05	Onsite	Non-Resident
R2871	488,490	3,626,912	6.83E-03	2.21E-05	Onsite	Non-Resident
R2872	488,515	3,626,912	7.07E-03	2.29E-05	Onsite	Non-Resident
R2873	488,540	3,626,912	7.32E-03	2.37E-05	Onsite	Non-Resident
R2874	488,565	3,626,912	7.58E-03	2.45E-05	Onsite	Non-Resident
R2875	488,590	3,626,912	7.86E-03	2.54E-05	Onsite	Non-Resident
R2876	488,615	3,626,912	8.14E-03	2.63E-05	Onsite	Non-Resident
R2877	488,640	3,626,912	8.45E-03	2.73E-05	Onsite	Non-Resident
R2878	488,665	3,626,912	8.77E-03	2.83E-05	Onsite	Non-Resident
R2879	488,690	3,626,912	9.10E-03	2.94E-05	Onsite	Non-Resident
R2880	488,715	3,626,912	9.46E-03	3.06E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2881	488,740	3,626,912	9.84E-03	3.18E-05	Onsite	Non-Resident
R2895	489,090	3,626,912	1.93E-02	6.25E-05	Offsite	Worker
R2896	489,115	3,626,912	2.06E-02	6.64E-05	Offsite	Worker
R2897	489,140	3,626,912	2.20E-02	7.10E-05	Offsite	Worker
R2898	489,165	3,626,912	2.38E-02	7.68E-05	Offsite	Worker
R2899	489,190	3,626,912	2.58E-02	8.32E-05	Offsite	Worker
R2900	489,215	3,626,912	2.81E-02	9.08E-05	Offsite	Worker
R2901	489,240	3,626,912	3.08E-02	9.95E-05	Offsite	Worker
R2902	489,265	3,626,912	3.46E-02	1.12E-04	Offsite	Worker
R2919	489,690	3,626,912	2.69E-02	8.68E-05	Offsite	Worker
R2920	489,715	3,626,912	2.45E-02	7.92E-05	Offsite	Worker
R2921	489,740	3,626,912	2.24E-02	7.23E-05	Offsite	Worker
R2922	489,765	3,626,912	2.06E-02	6.65E-05	Offsite	Worker
R2923	489,790	3,626,912	1.91E-02	6.16E-05	Offsite	Worker
R2924	489,815	3,626,912	1.77E-02	5.73E-05	Offsite	Worker
R2925	489,840	3,626,912	1.66E-02	5.36E-05	Offsite	Worker
R2926	489,865	3,626,912	1.56E-02	5.03E-05	Offsite	Worker
R2927	489,890	3,626,912	1.46E-02	4.73E-05	Offsite	Worker
R2928	489,915	3,626,912	1.38E-02	4.45E-05	Offsite	Worker
R2929	489,940	3,626,912	1.30E-02	4.21E-05	Offsite	Worker
R2930	489,965	3,626,912	1.23E-02	3.99E-05	Offsite	Worker
R2931	489,990	3,626,912	1.17E-02	3.78E-05	Offsite	Worker
R2932	490,015	3,626,912	1.11E-02	3.60E-05	Offsite	Worker
R2933	488,440	3,626,937	6.31E-03	2.04E-05	Onsite	Non-Resident
R2934	488,465	3,626,937	6.52E-03	2.11E-05	Onsite	Non-Resident
R2935	488,490	3,626,937	6.75E-03	2.18E-05	Onsite	Non-Resident
R2936	488,515	3,626,937	6.98E-03	2.26E-05	Onsite	Non-Resident
R2937	488,540	3,626,937	7.23E-03	2.34E-05	Onsite	Non-Resident
R2938	488,565	3,626,937	7.49E-03	2.42E-05	Onsite	Non-Resident
R2939	488,590	3,626,937	7.76E-03	2.51E-05	Onsite	Non-Resident
R2940	488,615	3,626,937	8.05E-03	2.60E-05	Onsite	Non-Resident
R2941	488,640	3,626,937	8.35E-03	2.70E-05	Onsite	Non-Resident
R2942	488,665	3,626,937	8.66E-03	2.80E-05	Onsite	Non-Resident
R2943	488,690	3,626,937	9.00E-03	2.91E-05	Onsite	Non-Resident
R2944	488,715	3,626,937	9.35E-03	3.02E-05	Onsite	Non-Resident
R2945	488,740	3,626,937	9.72E-03	3.14E-05	Onsite	Non-Resident
R2946	488,765	3,626,937	1.01E-02	3.27E-05	Onsite	Non-Resident
R2947	488,790	3,626,937	1.05E-02	3.40E-05	Onsite	Non-Resident
R2961	489,140	3,626,937	2.16E-02	6.97E-05	Offsite	Worker
R2962	489,165	3,626,937	2.34E-02	7.58E-05	Offsite	Worker
R2963	489,190	3,626,937	2.56E-02	8.28E-05	Offsite	Worker
R2964	489,215	3,626,937	2.80E-02	9.06E-05	Offsite	Worker
R2965	489,240	3,626,937	3.11E-02	1.00E-04	Offsite	Worker
R2966	489,265	3,626,937	3.51E-02	1.13E-04	Offsite	Worker
R2967	489,290	3,626,937	4.03E-02	1.30E-04	Offsite	Worker
R2983	489,690	3,626,937	2.58E-02	8.32E-05	Offsite	Worker
R2984	489,715	3,626,937	2.36E-02	7.64E-05	Offsite	Worker



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R2985	489,740	3,626,937	2.18E-02	7.04E-05	Offsite	Worker
R2986	489,765	3,626,937	2.01E-02	6.50E-05	Offsite	Worker
R2987	489,790	3,626,937	1.87E-02	6.05E-05	Offsite	Worker
R2988	489,815	3,626,937	1.74E-02	5.63E-05	Offsite	Worker
R2989	489,840	3,626,937	1.63E-02	5.28E-05	Offsite	Worker
R2990	489,865	3,626,937	1.53E-02	4.96E-05	Offsite	Worker
R2991	489,890	3,626,937	1.44E-02	4.66E-05	Offsite	Worker
R2992	489,915	3,626,937	1.36E-02	4.40E-05	Offsite	Worker
R2993	489,940	3,626,937	1.29E-02	4.15E-05	Offsite	Worker
R2994	489,965	3,626,937	1.22E-02	3.94E-05	Offsite	Worker
R2995	489,990	3,626,937	1.16E-02	3.74E-05	Offsite	Worker
R2996	490,015	3,626,937	1.10E-02	3.55E-05	Offsite	Worker
R2997	488,490	3,626,962	6.67E-03	2.15E-05	Onsite	Non-Resident
R2998	488,515	3,626,962	6.90E-03	2.23E-05	Onsite	Non-Resident
R2999	488,540	3,626,962	7.15E-03	2.31E-05	Onsite	Non-Resident
R3000	488,565	3,626,962	7.41E-03	2.39E-05	Onsite	Non-Resident
R3001	488,590	3,626,962	7.68E-03	2.48E-05	Onsite	Non-Resident
R3002	488,615	3,626,962	7.96E-03	2.57E-05	Onsite	Non-Resident
R3003	488,640	3,626,962	8.26E-03	2.67E-05	Onsite	Non-Resident
R3004	488,665	3,626,962	8.58E-03	2.77E-05	Onsite	Non-Resident
R3005	488,690	3,626,962	8.92E-03	2.88E-05	Onsite	Non-Resident
R3006	488,715	3,626,962	9.27E-03	3.00E-05	Onsite	Non-Resident
R3007	488,740	3,626,962	9.64E-03	3.12E-05	Onsite	Non-Resident
R3008	488,765	3,626,962	1.00E-02	3.24E-05	Onsite	Non-Resident
R3009	488,790	3,626,962	1.05E-02	3.38E-05	Onsite	Non-Resident
R3010	488,815	3,626,962	1.09E-02	3.52E-05	Onsite	Non-Resident
R3011	488,840	3,626,962	1.14E-02	3.67E-05	Onsite	Non-Resident
R3012	488,865	3,626,962	1.19E-02	3.84E-05	Onsite	Non-Resident
R3023	489,140	3,626,962	2.13E-02	6.90E-05	Offsite	Worker
R3024	489,165	3,626,962	2.30E-02	7.43E-05	Offsite	Worker
R3025	489,190	3,626,962	2.50E-02	8.07E-05	Offsite	Worker
R3026	489,215	3,626,962	2.74E-02	8.85E-05	Offsite	Worker
R3027	489,240	3,626,962	3.07E-02	9.91E-05	Offsite	Worker
R3028	489,265	3,626,962	3.49E-02	1.13E-04	Offsite	Worker
R3029	489,290	3,626,962	4.10E-02	1.32E-04	Offsite	Worker
R3030	489,315	3,626,962	4.91E-02	1.59E-04	Offsite	Worker
R3045	489,690	3,626,962	2.52E-02	8.13E-05	Offsite	Worker
R3046	489,715	3,626,962	2.31E-02	7.46E-05	Offsite	Worker
R3047	489,740	3,626,962	2.13E-02	6.87E-05	Offsite	Worker
R3048	489,765	3,626,962	1.97E-02	6.37E-05	Offsite	Worker
R3049	489,790	3,626,962	1.84E-02	5.93E-05	Offsite	Worker
R3050	489,815	3,626,962	1.72E-02	5.54E-05	Offsite	Worker
R3051	489,840	3,626,962	1.61E-02	5.19E-05	Offsite	Worker
R3052	489,865	3,626,962	1.51E-02	4.88E-05	Offsite	Worker
R3053	489,890	3,626,962	1.42E-02	4.60E-05	Offsite	Worker
R3054	489,915	3,626,962	1.34E-02	4.33E-05	Offsite	Worker
R3055	489,940	3,626,962	1.27E-02	4.10E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3056	489,965	3,626,962	1.20E-02	3.88E-05	Offsite	Worker
R3057	489,990	3,626,962	1.14E-02	3.69E-05	Offsite	Worker
R3058	488,515	3,626,987	6.83E-03	2.21E-05	Onsite	Non-Resident
R3059	488,540	3,626,987	7.08E-03	2.29E-05	Onsite	Non-Resident
R3060	488,565	3,626,987	7.34E-03	2.37E-05	Onsite	Non-Resident
R3061	488,590	3,626,987	7.61E-03	2.46E-05	Onsite	Non-Resident
R3062	488,615	3,626,987	7.89E-03	2.55E-05	Onsite	Non-Resident
R3063	488,640	3,626,987	8.20E-03	2.65E-05	Onsite	Non-Resident
R3064	488,665	3,626,987	8.51E-03	2.75E-05	Onsite	Non-Resident
R3065	488,690	3,626,987	8.85E-03	2.86E-05	Onsite	Non-Resident
R3066	488,715	3,626,987	9.20E-03	2.97E-05	Onsite	Non-Resident
R3067	488,740	3,626,987	9.58E-03	3.10E-05	Onsite	Non-Resident
R3068	488,765	3,626,987	9.97E-03	3.22E-05	Onsite	Non-Resident
R3069	488,790	3,626,987	1.04E-02	3.36E-05	Onsite	Non-Resident
R3070	488,815	3,626,987	1.08E-02	3.50E-05	Onsite	Non-Resident
R3071	488,840	3,626,987	1.13E-02	3.66E-05	Onsite	Non-Resident
R3072	488,865	3,626,987	1.18E-02	3.82E-05	Onsite	Non-Resident
R3073	488,890	3,626,987	1.24E-02	4.00E-05	Onsite	Non-Resident
R3074	488,915	3,626,987	1.29E-02	4.18E-05	Onsite	Non-Resident
R3075	488,940	3,626,987	1.36E-02	4.39E-05	Onsite	Non-Resident
R3076	488,965	3,626,987	1.42E-02	4.60E-05	Onsite	Non-Resident
R3081	489,090	3,626,987	1.88E-02	6.07E-05	Offsite	Worker
R3082	489,115	3,626,987	2.01E-02	6.51E-05	Offsite	Worker
R3083	489,140	3,626,987	2.17E-02	7.00E-05	Offsite	Worker
R3084	489,165	3,626,987	2.34E-02	7.56E-05	Offsite	Worker
R3085	489,190	3,626,987	2.55E-02	8.23E-05	Offsite	Worker
R3086	489,215	3,626,987	2.80E-02	9.04E-05	Offsite	Worker
R3102	489,615	3,626,987	3.32E-02	1.07E-04	Offsite	Worker
R3103	489,640	3,626,987	2.98E-02	9.64E-05	Offsite	Worker
R3105	489,690	3,626,987	2.45E-02	7.93E-05	Offsite	Worker
R3106	489,715	3,626,987	2.26E-02	7.31E-05	Offsite	Worker
R3107	489,740	3,626,987	2.08E-02	6.73E-05	Offsite	Worker
R3108	489,765	3,626,987	1.93E-02	6.25E-05	Offsite	Worker
R3109	489,790	3,626,987	1.80E-02	5.82E-05	Offsite	Worker
R3110	489,815	3,626,987	1.69E-02	5.45E-05	Offsite	Worker
R3111	489,840	3,626,987	1.58E-02	5.10E-05	Offsite	Worker
R3112	489,865	3,626,987	1.48E-02	4.80E-05	Offsite	Worker
R3113	489,890	3,626,987	1.40E-02	4.52E-05	Offsite	Worker
R3114	489,915	3,626,987	1.32E-02	4.27E-05	Offsite	Worker
R3115	489,940	3,626,987	1.25E-02	4.05E-05	Offsite	Worker
R3116	489,965	3,626,987	1.19E-02	3.84E-05	Offsite	Worker
R3117	489,990	3,626,987	1.13E-02	3.65E-05	Offsite	Worker
R3118	488,565	3,627,012	7.27E-03	2.35E-05	Onsite	Non-Resident
R3119	488,590	3,627,012	7.54E-03	2.44E-05	Onsite	Non-Resident
R3120	488,615	3,627,012	7.83E-03	2.53E-05	Onsite	Non-Resident
R3121	488,640	3,627,012	8.14E-03	2.63E-05	Onsite	Non-Resident
R3122	488,665	3,627,012	8.46E-03	2.73E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3123	488,690	3,627,012	8.80E-03	2.84E-05	Onsite	Non-Resident
R3124	488,715	3,627,012	9.15E-03	2.96E-05	Onsite	Non-Resident
R3125	488,740	3,627,012	9.53E-03	3.08E-05	Onsite	Non-Resident
R3126	488,765	3,627,012	9.93E-03	3.21E-05	Onsite	Non-Resident
R3127	488,790	3,627,012	1.04E-02	3.35E-05	Onsite	Non-Resident
R3128	488,815	3,627,012	1.08E-02	3.50E-05	Onsite	Non-Resident
R3129	488,840	3,627,012	1.13E-02	3.65E-05	Onsite	Non-Resident
R3130	488,865	3,627,012	1.18E-02	3.82E-05	Onsite	Non-Resident
R3131	488,890	3,627,012	1.24E-02	4.00E-05	Onsite	Non-Resident
R3132	488,915	3,627,012	1.30E-02	4.19E-05	Onsite	Non-Resident
R3133	488,940	3,627,012	1.36E-02	4.40E-05	Onsite	Non-Resident
R3134	488,965	3,627,012	1.43E-02	4.62E-05	Onsite	Non-Resident
R3135	488,990	3,627,012	1.50E-02	4.86E-05	Onsite	Non-Resident
R3136	489,015	3,627,012	1.59E-02	5.13E-05	Onsite	Non-Resident
R3137	489,040	3,627,012	1.69E-02	5.45E-05	Onsite	Non-Resident
R3158	489,565	3,627,012	4.06E-02	1.31E-04	Offsite	Worker
R3159	489,590	3,627,012	3.60E-02	1.16E-04	Offsite	Worker
R3160	489,615	3,627,012	3.22E-02	1.04E-04	Offsite	Worker
R3161	489,640	3,627,012	2.91E-02	9.39E-05	Offsite	Worker
R3163	489,690	3,627,012	2.42E-02	7.83E-05	Offsite	Worker
R3164	489,715	3,627,012	2.21E-02	7.15E-05	Offsite	Worker
R3165	489,740	3,627,012	2.04E-02	6.59E-05	Offsite	Worker
R3166	489,765	3,627,012	1.90E-02	6.13E-05	Offsite	Worker
R3167	489,790	3,627,012	1.77E-02	5.72E-05	Offsite	Worker
R3168	489,815	3,627,012	1.66E-02	5.36E-05	Offsite	Worker
R3169	489,840	3,627,012	1.56E-02	5.03E-05	Offsite	Worker
R3170	489,865	3,627,012	1.46E-02	4.73E-05	Offsite	Worker
R3171	489,890	3,627,012	1.38E-02	4.46E-05	Offsite	Worker
R3172	489,915	3,627,012	1.31E-02	4.22E-05	Offsite	Worker
R3173	489,940	3,627,012	1.24E-02	3.99E-05	Offsite	Worker
R3174	489,965	3,627,012	1.17E-02	3.79E-05	Offsite	Worker
R3175	488,615	3,627,037	7.77E-03	2.51E-05	Onsite	Non-Resident
R3176	488,640	3,627,037	8.08E-03	2.61E-05	Onsite	Non-Resident
R3177	488,665	3,627,037	8.41E-03	2.72E-05	Onsite	Non-Resident
R3178	488,690	3,627,037	8.75E-03	2.83E-05	Onsite	Non-Resident
R3179	488,715	3,627,037	9.11E-03	2.95E-05	Onsite	Non-Resident
R3180	488,740	3,627,037	9.50E-03	3.07E-05	Onsite	Non-Resident
R3181	488,765	3,627,037	9.91E-03	3.20E-05	Onsite	Non-Resident
R3182	488,790	3,627,037	1.03E-02	3.34E-05	Onsite	Non-Resident
R3183	488,815	3,627,037	1.08E-02	3.49E-05	Onsite	Non-Resident
R3184	488,840	3,627,037	1.13E-02	3.65E-05	Onsite	Non-Resident
R3185	488,865	3,627,037	1.18E-02	3.82E-05	Onsite	Non-Resident
R3186	488,890	3,627,037	1.24E-02	4.01E-05	Onsite	Non-Resident
R3187	488,915	3,627,037	1.30E-02	4.20E-05	Onsite	Non-Resident
R3188	488,940	3,627,037	1.37E-02	4.42E-05	Onsite	Non-Resident
R3189	488,965	3,627,037	1.44E-02	4.65E-05	Onsite	Non-Resident
R3190	488,990	3,627,037	1.51E-02	4.90E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3191	489,015	3,627,037	1.60E-02	5.17E-05	Onsite	Non-Resident
R3192	489,040	3,627,037	1.70E-02	5.48E-05	Onsite	Non-Resident
R3193	489,065	3,627,037	1.80E-02	5.83E-05	Onsite	Non-Resident
R3194	489,090	3,627,037	1.93E-02	6.22E-05	Onsite	Non-Resident
R3195	489,115	3,627,037	2.07E-02	6.69E-05	Onsite	Non-Resident
R3196	489,140	3,627,037	2.24E-02	7.25E-05	Onsite	Non-Resident
R3197	489,165	3,627,037	2.44E-02	7.89E-05	Onsite	Non-Resident
R3211	489,515	3,627,037	5.29E-02	1.71E-04	Offsite	Worker
R3212	489,540	3,627,037	4.50E-02	1.45E-04	Offsite	Worker
R3213	489,565	3,627,037	3.94E-02	1.27E-04	Offsite	Worker
R3214	489,590	3,627,037	3.49E-02	1.13E-04	Offsite	Worker
R3215	489,615	3,627,037	3.14E-02	1.01E-04	Offsite	Worker
R3216	489,640	3,627,037	2.85E-02	9.20E-05	Offsite	Worker
R3218	489,690	3,627,037	2.86E-01	7.68E-05	Offsite	Resident
R3219	489,715	3,627,037	2.63E-01	7.07E-05	Offsite	Resident
R3220	489,740	3,627,037	2.44E-01	6.55E-05	Offsite	Resident
R3221	489,765	3,627,037	2.27E-01	6.09E-05	Offsite	Resident
R3222	489,790	3,627,037	2.11E-01	5.68E-05	Offsite	Resident
R3223	489,815	3,627,037	1.98E-01	5.31E-05	Offsite	Resident
R3224	489,840	3,627,037	1.86E-01	4.99E-05	Offsite	Resident
R3225	489,865	3,627,037	1.74E-01	4.68E-05	Offsite	Resident
R3226	489,890	3,627,037	1.37E-02	4.42E-05	Offsite	Worker
R3227	489,915	3,627,037	1.29E-02	4.17E-05	Offsite	Worker
R3228	489,940	3,627,037	1.22E-02	3.95E-05	Offsite	Worker
R3229	488,665	3,627,062	8.36E-03	2.70E-05	Onsite	Non-Resident
R3230	488,690	3,627,062	8.71E-03	2.81E-05	Onsite	Non-Resident
R3231	488,715	3,627,062	9.08E-03	2.93E-05	Onsite	Non-Resident
R3232	488,740	3,627,062	9.47E-03	3.06E-05	Onsite	Non-Resident
R3233	488,765	3,627,062	9.88E-03	3.19E-05	Onsite	Non-Resident
R3234	488,790	3,627,062	1.03E-02	3.33E-05	Onsite	Non-Resident
R3235	488,815	3,627,062	1.08E-02	3.49E-05	Onsite	Non-Resident
R3236	488,840	3,627,062	1.13E-02	3.65E-05	Onsite	Non-Resident
R3237	488,865	3,627,062	1.18E-02	3.83E-05	Onsite	Non-Resident
R3238	488,890	3,627,062	1.24E-02	4.02E-05	Onsite	Non-Resident
R3239	488,915	3,627,062	1.31E-02	4.22E-05	Onsite	Non-Resident
R3240	488,940	3,627,062	1.37E-02	4.44E-05	Onsite	Non-Resident
R3241	488,965	3,627,062	1.45E-02	4.68E-05	Onsite	Non-Resident
R3242	488,990	3,627,062	1.53E-02	4.94E-05	Onsite	Non-Resident
R3243	489,015	3,627,062	1.62E-02	5.22E-05	Onsite	Non-Resident
R3244	489,040	3,627,062	1.71E-02	5.54E-05	Onsite	Non-Resident
R3245	489,065	3,627,062	1.82E-02	5.89E-05	Onsite	Non-Resident
R3246	489,090	3,627,062	1.95E-02	6.30E-05	Onsite	Non-Resident
R3247	489,115	3,627,062	2.10E-02	6.78E-05	Onsite	Non-Resident
R3248	489,140	3,627,062	2.27E-02	7.35E-05	Onsite	Non-Resident
R3249	489,165	3,627,062	2.48E-02	8.02E-05	Onsite	Non-Resident
R3250	489,190	3,627,062	2.74E-02	8.85E-05	Onsite	Non-Resident
R3251	489,215	3,627,062	3.06E-02	9.88E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3252	489,240	3,627,062	3.47E-02	1.12E-04	Onsite	Non-Resident
R3253	489,265	3,627,062	4.07E-02	1.32E-04	Onsite	Non-Resident
R3262	489,490	3,627,062	6.19E-02	2.00E-04	Offsite	Worker
R3267	489,615	3,627,062	3.06E-02	9.89E-05	Offsite	Worker
R3268	489,640	3,627,062	2.78E-02	8.98E-05	Offsite	Worker
R3270	489,690	3,627,062	2.80E-01	7.53E-05	Offsite	Resident
R3271	489,715	3,627,062	2.58E-01	6.94E-05	Offsite	Resident
R3272	489,740	3,627,062	2.40E-01	6.44E-05	Offsite	Resident
R3273	489,765	3,627,062	2.23E-01	5.99E-05	Offsite	Resident
R3274	489,790	3,627,062	2.08E-01	5.59E-05	Offsite	Resident
R3275	489,815	3,627,062	1.95E-01	5.23E-05	Offsite	Resident
R3276	489,840	3,627,062	1.83E-01	4.92E-05	Offsite	Resident
R3277	489,865	3,627,062	1.72E-01	4.62E-05	Offsite	Resident
R3278	489,890	3,627,062	1.62E-01	4.36E-05	Offsite	Resident
R3279	489,915	3,627,062	1.54E-01	4.13E-05	Offsite	Resident
R3280	488,740	3,627,087	9.43E-03	3.05E-05	Onsite	Non-Resident
R3281	488,765	3,627,087	9.85E-03	3.18E-05	Onsite	Non-Resident
R3282	488,790	3,627,087	1.03E-02	3.33E-05	Onsite	Non-Resident
R3283	488,815	3,627,087	1.08E-02	3.49E-05	Onsite	Non-Resident
R3284	488,840	3,627,087	1.13E-02	3.65E-05	Onsite	Non-Resident
R3285	488,865	3,627,087	1.19E-02	3.83E-05	Onsite	Non-Resident
R3286	488,890	3,627,087	1.25E-02	4.03E-05	Onsite	Non-Resident
R3287	488,915	3,627,087	1.31E-02	4.24E-05	Onsite	Non-Resident
R3288	488,940	3,627,087	1.38E-02	4.47E-05	Onsite	Non-Resident
R3289	488,965	3,627,087	1.75E-01	4.72E-05	Onsite	Resident
R3290	488,990	3,627,087	1.54E-02	4.99E-05	Onsite	Non-Resident
R3291	489,015	3,627,087	1.63E-02	5.28E-05	Onsite	Non-Resident
R3292	489,040	3,627,087	1.74E-02	5.61E-05	Onsite	Non-Resident
R3293	489,065	3,627,087	1.85E-02	5.98E-05	Onsite	Non-Resident
R3294	489,090	3,627,087	1.98E-02	6.40E-05	Onsite	Non-Resident
R3295	489,115	3,627,087	2.14E-02	6.90E-05	Onsite	Non-Resident
R3296	489,140	3,627,087	2.32E-02	7.49E-05	Onsite	Non-Resident
R3297	489,165	3,627,087	2.54E-02	8.21E-05	Onsite	Non-Resident
R3298	489,190	3,627,087	2.81E-02	9.08E-05	Onsite	Non-Resident
R3299	489,215	3,627,087	3.15E-02	1.02E-04	Onsite	Non-Resident
R3300	489,240	3,627,087	3.59E-02	1.16E-04	Onsite	Non-Resident
R3301	489,265	3,627,087	4.26E-02	1.38E-04	Onsite	Non-Resident
R3303	489,315	3,627,087	6.68E-02	2.16E-04	Offsite	Worker
R3309	489,465	3,627,087	8.72E-01	2.34E-04	Offsite	Resident
R3310	489,490	3,627,087	7.04E-01	1.89E-04	Offsite	Resident
R3311	489,515	3,627,087	5.89E-01	1.58E-04	Offsite	Resident
R3312	489,540	3,627,087	5.06E-01	1.36E-04	Offsite	Resident
R3313	489,565	3,627,087	4.45E-01	1.20E-04	Offsite	Resident
R3314	489,590	3,627,087	3.96E-01	1.06E-04	Offsite	Resident
R3318	489,690	3,627,087	2.74E-01	7.36E-05	Offsite	Resident
R3319	489,715	3,627,087	2.53E-01	6.79E-05	Offsite	Resident
R3320	489,740	3,627,087	2.35E-01	6.30E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3321	489,765	3,627,087	2.18E-01	5.87E-05	Offsite	Resident
R3322	489,790	3,627,087	2.04E-01	5.49E-05	Offsite	Resident
R3323	489,815	3,627,087	1.91E-01	5.14E-05	Offsite	Resident
R3324	489,840	3,627,087	1.80E-01	4.84E-05	Offsite	Resident
R3325	489,865	3,627,087	1.69E-01	4.55E-05	Offsite	Resident
R3326	489,890	3,627,087	1.60E-01	4.30E-05	Offsite	Resident
R3327	488,815	3,627,112	1.08E-02	3.48E-05	Onsite	Non-Resident
R3328	488,840	3,627,112	1.36E-01	3.66E-05	Onsite	Resident
R3329	488,865	3,627,112	1.43E-01	3.84E-05	Onsite	Resident
R3330	488,890	3,627,112	1.25E-02	4.04E-05	Onsite	Non-Resident
R3331	488,915	3,627,112	1.59E-01	4.26E-05	Onsite	Resident
R3332	488,940	3,627,112	1.67E-01	4.50E-05	Onsite	Resident
R3333	488,965	3,627,112	1.77E-01	4.75E-05	Onsite	Resident
R3334	488,990	3,627,112	1.56E-02	5.03E-05	Onsite	Non-Resident
R3335	489,015	3,627,112	1.65E-02	5.34E-05	Onsite	Non-Resident
R3336	489,040	3,627,112	1.76E-02	5.68E-05	Onsite	Non-Resident
R3337	489,065	3,627,112	1.88E-02	6.07E-05	Onsite	Non-Resident
R3338	489,090	3,627,112	2.01E-02	6.51E-05	Onsite	Non-Resident
R3339	489,115	3,627,112	2.18E-02	7.03E-05	Onsite	Non-Resident
R3340	489,140	3,627,112	2.37E-02	7.66E-05	Onsite	Non-Resident
R3341	489,165	3,627,112	2.60E-02	8.41E-05	Onsite	Non-Resident
R3342	489,190	3,627,112	2.89E-02	9.35E-05	Onsite	Non-Resident
R3343	489,215	3,627,112	3.26E-02	1.05E-04	Onsite	Non-Resident
R3344	489,240	3,627,112	3.74E-02	1.21E-04	Onsite	Non-Resident
R3345	489,265	3,627,112	4.44E-02	1.43E-04	Onsite	Non-Resident
R3346	489,290	3,627,112	5.43E-02	1.75E-04	Offsite	Worker
R3351	489,415	3,627,112	1.60E+00	4.31E-04	Offsite	Resident
R3352	489,440	3,627,112	1.08E+00	2.90E-04	Offsite	Resident
R3353	489,465	3,627,112	8.24E-01	2.21E-04	Offsite	Resident
R3354	489,490	3,627,112	6.71E-01	1.80E-04	Offsite	Resident
R3355	489,515	3,627,112	5.66E-01	1.52E-04	Offsite	Resident
R3356	489,540	3,627,112	4.88E-01	1.31E-04	Offsite	Resident
R3357	489,565	3,627,112	4.31E-01	1.16E-04	Offsite	Resident
R3358	489,590	3,627,112	3.85E-01	1.03E-04	Offsite	Resident
R3359	489,615	3,627,112	3.47E-01	9.33E-05	Offsite	Resident
R3362	489,690	3,627,112	2.67E-01	7.18E-05	Offsite	Resident
R3363	489,715	3,627,112	2.47E-01	6.64E-05	Offsite	Resident
R3364	489,740	3,627,112	2.30E-01	6.17E-05	Offsite	Resident
R3365	489,765	3,627,112	2.14E-01	5.75E-05	Offsite	Resident
R3366	489,790	3,627,112	2.00E-01	5.38E-05	Offsite	Resident
R3367	489,815	3,627,112	1.88E-01	5.05E-05	Offsite	Resident
R3368	489,840	3,627,112	1.77E-01	4.75E-05	Offsite	Resident
R3369	489,865	3,627,112	1.67E-01	4.48E-05	Offsite	Resident
R3370	488,915	3,627,137	1.59E-01	4.28E-05	Onsite	Resident
R3371	488,940	3,627,137	1.68E-01	4.52E-05	Onsite	Resident
R3372	488,965	3,627,137	1.78E-01	4.79E-05	Onsite	Resident
R3373	488,990	3,627,137	1.57E-02	5.09E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3374	489,015	3,627,137	1.67E-02	5.41E-05	Onsite	Non-Resident
R3375	489,040	3,627,137	1.78E-02	5.77E-05	Onsite	Non-Resident
R3376	489,065	3,627,137	1.91E-02	6.17E-05	Onsite	Non-Resident
R3377	489,090	3,627,137	2.05E-02	6.63E-05	Onsite	Non-Resident
R3378	489,115	3,627,137	2.22E-02	7.17E-05	Onsite	Non-Resident
R3379	489,140	3,627,137	2.42E-02	7.83E-05	Onsite	Non-Resident
R3380	489,165	3,627,137	2.67E-02	8.64E-05	Onsite	Non-Resident
R3381	489,190	3,627,137	2.98E-02	9.64E-05	Onsite	Non-Resident
R3382	489,215	3,627,137	3.38E-02	1.09E-04	Onsite	Non-Resident
R3383	489,240	3,627,137	3.90E-02	1.26E-04	Onsite	Non-Resident
R3384	489,265	3,627,137	4.66E-02	1.51E-04	Onsite	Non-Resident
R3385	489,290	3,627,137	5.78E-02	1.87E-04	Offsite	Worker
R3390	489,415	3,627,137	1.41E+00	3.79E-04	Offsite	Resident
R3391	489,440	3,627,137	9.92E-01	2.67E-04	Offsite	Resident
R3392	489,465	3,627,137	7.73E-01	2.08E-04	Offsite	Resident
R3393	489,490	3,627,137	6.38E-01	1.71E-04	Offsite	Resident
R3394	489,515	3,627,137	5.42E-01	1.46E-04	Offsite	Resident
R3395	489,540	3,627,137	4.71E-01	1.27E-04	Offsite	Resident
R3396	489,565	3,627,137	4.17E-01	1.12E-04	Offsite	Resident
R3397	489,590	3,627,137	3.74E-01	1.00E-04	Offsite	Resident
R3398	489,615	3,627,137	3.38E-01	9.08E-05	Offsite	Resident
R3399	489,640	3,627,137	3.09E-01	8.31E-05	Offsite	Resident
R3401	489,690	3,627,137	2.61E-01	7.02E-05	Offsite	Resident
R3402	489,715	3,627,137	2.42E-01	6.50E-05	Offsite	Resident
R3403	489,740	3,627,137	2.25E-01	6.05E-05	Offsite	Resident
R3404	489,765	3,627,137	2.10E-01	5.64E-05	Offsite	Resident
R3405	489,790	3,627,137	1.97E-01	5.28E-05	Offsite	Resident
R3406	489,815	3,627,137	1.85E-01	4.96E-05	Offsite	Resident
R3407	488,940	3,627,162	1.69E-01	4.55E-05	Onsite	Resident
R3408	488,965	3,627,162	1.80E-01	4.83E-05	Onsite	Resident
R3409	488,990	3,627,162	1.59E-02	5.14E-05	Onsite	Non-Resident
R3410	489,015	3,627,162	1.69E-02	5.47E-05	Onsite	Non-Resident
R3411	489,040	3,627,162	1.81E-02	5.85E-05	Onsite	Non-Resident
R3412	489,065	3,627,162	1.94E-02	6.27E-05	Onsite	Non-Resident
R3413	489,090	3,627,162	2.09E-02	6.75E-05	Onsite	Non-Resident
R3414	489,115	3,627,162	2.27E-02	7.32E-05	Onsite	Non-Resident
R3415	489,140	3,627,162	2.48E-02	8.02E-05	Onsite	Non-Resident
R3416	489,165	3,627,162	2.75E-02	8.88E-05	Onsite	Non-Resident
R3417	489,190	3,627,162	3.08E-02	9.95E-05	Onsite	Non-Resident
R3418	489,215	3,627,162	3.51E-02	1.13E-04	Onsite	Non-Resident
R3419	489,240	3,627,162	4.09E-02	1.32E-04	Onsite	Non-Resident
R3420	489,265	3,627,162	4.93E-02	1.59E-04	Onsite	Non-Resident
R3421	489,290	3,627,162	6.19E-02	2.00E-04	Offsite	Worker
R3426	489,415	3,627,162	1.26E+00	3.37E-04	Offsite	Resident
R3427	489,440	3,627,162	9.18E-01	2.47E-04	Offsite	Resident
R3428	489,465	3,627,162	7.29E-01	1.96E-04	Offsite	Resident
R3429	489,490	3,627,162	6.07E-01	1.63E-04	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3430	489,515	3,627,162	5.21E-01	1.40E-04	Offsite	Resident
R3431	489,540	3,627,162	4.54E-01	1.22E-04	Offsite	Resident
R3432	489,565	3,627,162	4.04E-01	1.09E-04	Offsite	Resident
R3433	489,590	3,627,162	3.63E-01	9.76E-05	Offsite	Resident
R3434	489,615	3,627,162	3.29E-01	8.84E-05	Offsite	Resident
R3435	489,640	3,627,162	3.02E-01	8.11E-05	Offsite	Resident
R3437	489,690	3,627,162	2.55E-01	6.85E-05	Offsite	Resident
R3438	489,715	3,627,162	2.36E-01	6.34E-05	Offsite	Resident
R3439	489,740	3,627,162	2.20E-01	5.90E-05	Offsite	Resident
R3440	489,765	3,627,162	2.05E-01	5.52E-05	Offsite	Resident
R3441	489,790	3,627,162	1.93E-01	5.17E-05	Offsite	Resident
R3442	488,915	3,627,187	1.33E-02	4.31E-05	Onsite	Non-Resident
R3443	488,940	3,627,187	1.42E-02	4.58E-05	Onsite	Non-Resident
R3444	488,965	3,627,187	1.51E-02	4.87E-05	Onsite	Non-Resident
R3445	488,990	3,627,187	1.60E-02	5.19E-05	Onsite	Non-Resident
R3446	489,015	3,627,187	1.71E-02	5.54E-05	Onsite	Non-Resident
R3447	489,040	3,627,187	1.84E-02	5.93E-05	Onsite	Non-Resident
R3448	489,065	3,627,187	1.97E-02	6.37E-05	Onsite	Non-Resident
R3449	489,090	3,627,187	2.13E-02	6.88E-05	Onsite	Non-Resident
R3450	489,115	3,627,187	2.31E-02	7.48E-05	Onsite	Non-Resident
R3451	489,140	3,627,187	2.54E-02	8.22E-05	Onsite	Non-Resident
R3452	489,165	3,627,187	2.83E-02	9.14E-05	Onsite	Non-Resident
R3453	489,190	3,627,187	3.18E-02	1.03E-04	Onsite	Non-Resident
R3454	489,215	3,627,187	3.65E-02	1.18E-04	Onsite	Non-Resident
R3455	489,240	3,627,187	4.29E-02	1.39E-04	Onsite	Non-Resident
R3456	489,265	3,627,187	5.25E-02	1.70E-04	Onsite	Non-Resident
R3457	489,290	3,627,187	6.81E-02	2.20E-04	Offsite	Worker
R3461	489,390	3,627,187	1.75E+00	4.69E-04	Offsite	Resident
R3462	489,415	3,627,187	1.13E+00	3.03E-04	Offsite	Resident
R3463	489,440	3,627,187	8.54E-01	2.29E-04	Offsite	Resident
R3464	489,465	3,627,187	6.90E-01	1.86E-04	Offsite	Resident
R3465	489,490	3,627,187	5.80E-01	1.56E-04	Offsite	Resident
R3466	489,515	3,627,187	5.00E-01	1.34E-04	Offsite	Resident
R3467	489,540	3,627,187	4.39E-01	1.18E-04	Offsite	Resident
R3468	489,565	3,627,187	3.91E-01	1.05E-04	Offsite	Resident
R3469	489,590	3,627,187	3.53E-01	9.48E-05	Offsite	Resident
R3470	489,615	3,627,187	3.20E-01	8.61E-05	Offsite	Resident
R3471	489,640	3,627,187	2.94E-01	7.91E-05	Offsite	Resident
R3473	489,690	3,627,187	2.49E-01	6.69E-05	Offsite	Resident
R3474	489,715	3,627,187	2.31E-01	6.20E-05	Offsite	Resident
R3475	489,740	3,627,187	2.15E-01	5.78E-05	Offsite	Resident
R3476	489,765	3,627,187	2.01E-01	5.40E-05	Offsite	Resident
R3477	488,915	3,627,212	1.34E-02	4.32E-05	Onsite	Non-Resident
R3478	488,940	3,627,212	1.71E-01	4.60E-05	Onsite	Resident
R3479	488,965	3,627,212	1.82E-01	4.90E-05	Onsite	Resident
R3480	488,990	3,627,212	1.95E-01	5.23E-05	Onsite	Resident
R3481	489,015	3,627,212	2.08E-01	5.60E-05	Onsite	Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3482	489,040	3,627,212	2.24E-01	6.01E-05	Onsite	Resident
R3483	489,065	3,627,212	2.00E-02	6.47E-05	Onsite	Non-Resident
R3484	489,090	3,627,212	2.17E-02	7.00E-05	Onsite	Non-Resident
R3485	489,115	3,627,212	2.36E-02	7.64E-05	Onsite	Non-Resident
R3486	489,140	3,627,212	2.61E-02	8.42E-05	Onsite	Non-Resident
R3487	489,165	3,627,212	2.91E-02	9.40E-05	Onsite	Non-Resident
R3488	489,190	3,627,212	3.30E-02	1.07E-04	Onsite	Non-Resident
R3489	489,215	3,627,212	3.81E-02	1.23E-04	Onsite	Non-Resident
R3490	489,240	3,627,212	4.52E-02	1.46E-04	Onsite	Non-Resident
R3491	489,265	3,627,212	5.62E-02	1.81E-04	Onsite	Non-Resident
R3492	489,290	3,627,212	7.59E-02	2.45E-04	Offsite	Worker
R3496	489,390	3,627,212	1.51E+00	4.07E-04	Offsite	Resident
R3497	489,415	3,627,212	1.03E+00	2.77E-04	Offsite	Resident
R3498	489,440	3,627,212	7.96E-01	2.14E-04	Offsite	Resident
R3499	489,465	3,627,212	6.55E-01	1.76E-04	Offsite	Resident
R3500	489,490	3,627,212	5.55E-01	1.49E-04	Offsite	Resident
R3501	489,515	3,627,212	4.82E-01	1.29E-04	Offsite	Resident
R3502	489,540	3,627,212	4.25E-01	1.14E-04	Offsite	Resident
R3503	489,565	3,627,212	3.80E-01	1.02E-04	Offsite	Resident
R3504	489,590	3,627,212	3.43E-01	9.22E-05	Offsite	Resident
R3505	489,615	3,627,212	3.12E-01	8.39E-05	Offsite	Resident
R3506	489,640	3,627,212	2.87E-01	7.71E-05	Offsite	Resident
R3508	489,690	3,627,212	2.43E-01	6.53E-05	Offsite	Resident
R3509	489,715	3,627,212	2.26E-01	6.08E-05	Offsite	Resident
R3510	489,740	3,627,212	2.11E-01	5.67E-05	Offsite	Resident
R3511	489,765	3,627,212	1.98E-01	5.31E-05	Offsite	Resident
R3512	488,915	3,627,237	1.34E-02	4.34E-05	Onsite	Non-Resident
R3513	488,940	3,627,237	1.72E-01	4.62E-05	Onsite	Resident
R3514	488,965	3,627,237	1.83E-01	4.93E-05	Onsite	Resident
R3515	488,990	3,627,237	1.96E-01	5.27E-05	Onsite	Resident
R3516	489,015	3,627,237	2.11E-01	5.66E-05	Onsite	Resident
R3517	489,040	3,627,237	1.88E-02	6.09E-05	Onsite	Non-Resident
R3518	489,065	3,627,237	2.03E-02	6.57E-05	Onsite	Non-Resident
R3519	489,090	3,627,237	2.21E-02	7.13E-05	Onsite	Non-Resident
R3520	489,115	3,627,237	2.41E-02	7.80E-05	Onsite	Non-Resident
R3521	489,140	3,627,237	2.67E-02	8.64E-05	Onsite	Non-Resident
R3522	489,165	3,627,237	3.00E-02	9.69E-05	Onsite	Non-Resident
R3523	489,190	3,627,237	3.42E-02	1.10E-04	Onsite	Non-Resident
R3524	489,215	3,627,237	3.98E-02	1.29E-04	Onsite	Non-Resident
R3525	489,240	3,627,237	4.78E-02	1.54E-04	Onsite	Non-Resident
R3526	489,265	3,627,237	6.03E-02	1.95E-04	Offsite	Worker
R3531	489,390	3,627,237	1.34E+00	3.61E-04	Offsite	Resident
R3532	489,415	3,627,237	9.51E-01	2.56E-04	Offsite	Resident
R3533	489,440	3,627,237	7.47E-01	2.01E-04	Offsite	Resident
R3534	489,465	3,627,237	6.23E-01	1.67E-04	Offsite	Resident
R3535	489,490	3,627,237	5.33E-01	1.43E-04	Offsite	Resident
R3536	489,515	3,627,237	4.65E-01	1.25E-04	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3537	489,540	3,627,237	4.12E-01	1.11E-04	Offsite	Resident
R3538	489,565	3,627,237	3.69E-01	9.92E-05	Offsite	Resident
R3539	489,590	3,627,237	3.34E-01	8.97E-05	Offsite	Resident
R3540	489,615	3,627,237	3.04E-01	8.18E-05	Offsite	Resident
R3541	489,640	3,627,237	2.80E-01	7.53E-05	Offsite	Resident
R3543	489,690	3,627,237	2.38E-01	6.40E-05	Offsite	Resident
R3544	489,715	3,627,237	2.22E-01	5.96E-05	Offsite	Resident
R3545	489,740	3,627,237	2.07E-01	5.57E-05	Offsite	Resident
R3546	489,765	3,627,237	1.94E-01	5.21E-05	Offsite	Resident
R3547	488,890	3,627,262	1.52E-01	4.08E-05	Onsite	Resident
R3548	488,915	3,627,262	1.34E-02	4.34E-05	Onsite	Non-Resident
R3549	488,940	3,627,262	1.72E-01	4.63E-05	Onsite	Resident
R3550	488,965	3,627,262	1.84E-01	4.95E-05	Onsite	Resident
R3551	488,990	3,627,262	1.98E-01	5.31E-05	Onsite	Resident
R3552	489,015	3,627,262	1.77E-02	5.71E-05	Onsite	Non-Resident
R3553	489,040	3,627,262	1.91E-02	6.16E-05	Onsite	Non-Resident
R3554	489,065	3,627,262	2.06E-02	6.67E-05	Onsite	Non-Resident
R3555	489,090	3,627,262	2.24E-02	7.25E-05	Onsite	Non-Resident
R3556	489,115	3,627,262	2.46E-02	7.96E-05	Onsite	Non-Resident
R3557	489,140	3,627,262	2.74E-02	8.85E-05	Onsite	Non-Resident
R3558	489,165	3,627,262	3.09E-02	9.99E-05	Onsite	Non-Resident
R3559	489,190	3,627,262	3.55E-02	1.15E-04	Onsite	Non-Resident
R3560	489,215	3,627,262	4.17E-02	1.35E-04	Onsite	Non-Resident
R3561	489,240	3,627,262	5.07E-02	1.64E-04	Onsite	Non-Resident
R3562	489,265	3,627,262	6.41E-02	2.07E-04	Offsite	Worker
R3567	489,390	3,627,262	1.21E+00	3.26E-04	Offsite	Resident
R3568	489,415	3,627,262	8.95E-01	2.40E-04	Offsite	Resident
R3569	489,440	3,627,262	7.12E-01	1.91E-04	Offsite	Resident
R3570	489,465	3,627,262	5.96E-01	1.60E-04	Offsite	Resident
R3571	489,490	3,627,262	5.14E-01	1.38E-04	Offsite	Resident
R3572	489,515	3,627,262	4.50E-01	1.21E-04	Offsite	Resident
R3573	489,540	3,627,262	4.00E-01	1.07E-04	Offsite	Resident
R3574	489,565	3,627,262	3.59E-01	9.65E-05	Offsite	Resident
R3575	489,590	3,627,262	3.26E-01	8.75E-05	Offsite	Resident
R3576	489,615	3,627,262	2.97E-01	7.99E-05	Offsite	Resident
R3577	489,640	3,627,262	2.74E-01	7.36E-05	Offsite	Resident
R3579	489,690	3,627,262	2.33E-01	6.27E-05	Offsite	Resident
R3580	489,715	3,627,262	2.18E-01	5.85E-05	Offsite	Resident
R3581	489,740	3,627,262	2.03E-01	5.46E-05	Offsite	Resident
R3582	489,765	3,627,262	1.91E-01	5.12E-05	Offsite	Resident
R3583	488,890	3,627,287	1.52E-01	4.08E-05	Onsite	Resident
R3584	488,915	3,627,287	1.34E-02	4.34E-05	Onsite	Non-Resident
R3585	488,940	3,627,287	1.73E-01	4.64E-05	Onsite	Resident
R3586	488,965	3,627,287	1.54E-02	4.97E-05	Onsite	Non-Resident
R3587	488,990	3,627,287	1.65E-02	5.34E-05	Onsite	Non-Resident
R3588	489,015	3,627,287	1.78E-02	5.75E-05	Onsite	Non-Resident
R3589	489,040	3,627,287	1.92E-02	6.22E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3590	489,065	3,627,287	2.09E-02	6.76E-05	Onsite	Non-Resident
R3591	489,090	3,627,287	2.28E-02	7.37E-05	Onsite	Non-Resident
R3592	489,115	3,627,287	3.02E-01	8.12E-05	Onsite	Resident
R3593	489,140	3,627,287	2.81E-02	9.07E-05	Onsite	Non-Resident
R3594	489,165	3,627,287	3.18E-02	1.03E-04	Onsite	Non-Resident
R3595	489,190	3,627,287	3.68E-02	1.19E-04	Onsite	Non-Resident
R3596	489,215	3,627,287	4.37E-02	1.41E-04	Onsite	Non-Resident
R3597	489,240	3,627,287	5.41E-02	1.75E-04	Onsite	Non-Resident
R3598	489,265	3,627,287	7.26E-02	2.35E-04	Offsite	Worker
R3602	489,365	3,627,287	1.66E+00	4.47E-04	Offsite	Resident
R3603	489,390	3,627,287	1.12E+00	3.01E-04	Offsite	Resident
R3604	489,415	3,627,287	8.46E-01	2.27E-04	Offsite	Resident
R3605	489,440	3,627,287	6.81E-01	1.83E-04	Offsite	Resident
R3606	489,465	3,627,287	5.74E-01	1.54E-04	Offsite	Resident
R3607	489,490	3,627,287	4.97E-01	1.34E-04	Offsite	Resident
R3608	489,515	3,627,287	4.37E-01	1.17E-04	Offsite	Resident
R3609	489,540	3,627,287	3.89E-01	1.04E-04	Offsite	Resident
R3610	489,565	3,627,287	3.50E-01	9.40E-05	Offsite	Resident
R3611	489,590	3,627,287	3.18E-01	8.54E-05	Offsite	Resident
R3612	489,615	3,627,287	2.91E-01	7.81E-05	Offsite	Resident
R3613	489,640	3,627,287	2.68E-01	7.20E-05	Offsite	Resident
R3615	489,690	3,627,287	2.29E-01	6.15E-05	Offsite	Resident
R3616	489,715	3,627,287	2.14E-01	5.74E-05	Offsite	Resident
R3617	489,740	3,627,287	2.00E-01	5.36E-05	Offsite	Resident
R3618	488,890	3,627,312	1.51E-01	4.07E-05	Onsite	Resident
R3619	488,915	3,627,312	1.34E-02	4.34E-05	Onsite	Non-Resident
R3620	488,940	3,627,312	1.44E-02	4.64E-05	Onsite	Non-Resident
R3621	488,965	3,627,312	1.54E-02	4.98E-05	Onsite	Non-Resident
R3622	488,990	3,627,312	1.66E-02	5.36E-05	Onsite	Non-Resident
R3623	489,015	3,627,312	1.79E-02	5.79E-05	Onsite	Non-Resident
R3624	489,040	3,627,312	2.33E-01	6.27E-05	Onsite	Resident
R3625	489,065	3,627,312	2.54E-01	6.83E-05	Onsite	Resident
R3626	489,090	3,627,312	2.31E-02	7.48E-05	Onsite	Non-Resident
R3627	489,115	3,627,312	3.08E-01	8.27E-05	Onsite	Resident
R3628	489,140	3,627,312	2.87E-02	9.28E-05	Onsite	Non-Resident
R3629	489,165	3,627,312	3.28E-02	1.06E-04	Onsite	Non-Resident
R3630	489,190	3,627,312	3.82E-02	1.23E-04	Onsite	Non-Resident
R3631	489,215	3,627,312	4.59E-02	1.48E-04	Onsite	Non-Resident
R3632	489,240	3,627,312	5.82E-02	1.88E-04	Onsite	Non-Resident
R3633	489,265	3,627,312	8.26E-02	2.67E-04	Offsite	Worker
R3637	489,365	3,627,312	1.49E+00	4.00E-04	Offsite	Resident
R3638	489,390	3,627,312	1.04E+00	2.81E-04	Offsite	Resident
R3639	489,415	3,627,312	8.06E-01	2.17E-04	Offsite	Resident
R3640	489,440	3,627,312	6.56E-01	1.76E-04	Offsite	Resident
R3641	489,465	3,627,312	5.55E-01	1.49E-04	Offsite	Resident
R3642	489,490	3,627,312	4.82E-01	1.29E-04	Offsite	Resident
R3643	489,515	3,627,312	4.25E-01	1.14E-04	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3644	489,540	3,627,312	3.79E-01	1.02E-04	Offsite	Resident
R3645	489,565	3,627,312	3.42E-01	9.19E-05	Offsite	Resident
R3646	489,590	3,627,312	3.11E-01	8.36E-05	Offsite	Resident
R3647	489,615	3,627,312	2.85E-01	7.65E-05	Offsite	Resident
R3648	489,640	3,627,312	2.63E-01	7.06E-05	Offsite	Resident
R3650	489,690	3,627,312	2.25E-01	6.04E-05	Offsite	Resident
R3651	489,715	3,627,312	2.10E-01	5.63E-05	Offsite	Resident
R3652	489,740	3,627,312	1.96E-01	5.27E-05	Offsite	Resident
R3653	488,890	3,627,337	1.51E-01	4.06E-05	Onsite	Resident
R3654	488,915	3,627,337	1.34E-02	4.33E-05	Onsite	Non-Resident
R3655	488,940	3,627,337	1.44E-02	4.64E-05	Onsite	Non-Resident
R3656	488,965	3,627,337	1.54E-02	4.98E-05	Onsite	Non-Resident
R3657	488,990	3,627,337	2.00E-01	5.37E-05	Onsite	Resident
R3658	489,015	3,627,337	1.80E-02	5.81E-05	Onsite	Non-Resident
R3659	489,040	3,627,337	2.35E-01	6.31E-05	Onsite	Resident
R3660	489,065	3,627,337	2.56E-01	6.89E-05	Onsite	Resident
R3661	489,090	3,627,337	2.34E-02	7.57E-05	Onsite	Non-Resident
R3662	489,115	3,627,337	3.13E-01	8.41E-05	Onsite	Resident
R3663	489,140	3,627,337	2.93E-02	9.47E-05	Onsite	Non-Resident
R3664	489,165	3,627,337	3.36E-02	1.09E-04	Onsite	Non-Resident
R3665	489,190	3,627,337	3.95E-02	1.28E-04	Onsite	Non-Resident
R3666	489,215	3,627,337	4.80E-02	1.55E-04	Onsite	Non-Resident
R3667	489,240	3,627,337	6.13E-02	1.98E-04	Onsite	Non-Resident
R3672	489,365	3,627,337	1.39E+00	3.73E-04	Offsite	Resident
R3673	489,390	3,627,337	9.93E-01	2.67E-04	Offsite	Resident
R3674	489,415	3,627,337	7.75E-01	2.08E-04	Offsite	Resident
R3675	489,440	3,627,337	6.35E-01	1.71E-04	Offsite	Resident
R3676	489,465	3,627,337	5.38E-01	1.45E-04	Offsite	Resident
R3677	489,490	3,627,337	4.69E-01	1.26E-04	Offsite	Resident
R3678	489,515	3,627,337	4.14E-01	1.11E-04	Offsite	Resident
R3679	489,540	3,627,337	3.70E-01	9.96E-05	Offsite	Resident
R3680	489,565	3,627,337	3.34E-01	8.99E-05	Offsite	Resident
R3681	489,590	3,627,337	3.05E-01	8.18E-05	Offsite	Resident
R3682	489,615	3,627,337	2.79E-01	7.50E-05	Offsite	Resident
R3683	489,640	3,627,337	2.57E-01	6.92E-05	Offsite	Resident
R3685	489,690	3,627,337	2.21E-01	5.94E-05	Offsite	Resident
R3686	489,715	3,627,337	2.06E-01	5.54E-05	Offsite	Resident
R3687	489,740	3,627,337	1.93E-01	5.18E-05	Offsite	Resident
R3688	488,890	3,627,362	1.50E-01	4.03E-05	Onsite	Resident
R3689	488,915	3,627,362	1.61E-01	4.31E-05	Onsite	Resident
R3690	488,940	3,627,362	1.72E-01	4.63E-05	Onsite	Resident
R3691	488,965	3,627,362	1.85E-01	4.98E-05	Onsite	Resident
R3692	488,990	3,627,362	2.00E-01	5.37E-05	Onsite	Resident
R3693	489,015	3,627,362	1.80E-02	5.82E-05	Onsite	Non-Resident
R3694	489,040	3,627,362	2.36E-01	6.33E-05	Onsite	Resident
R3695	489,065	3,627,362	2.58E-01	6.93E-05	Onsite	Resident
R3696	489,090	3,627,362	2.37E-02	7.65E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3697	489,115	3,627,362	3.17E-01	8.53E-05	Onsite	Resident
R3698	489,140	3,627,362	2.98E-02	9.64E-05	Onsite	Non-Resident
R3699	489,165	3,627,362	3.44E-02	1.11E-04	Onsite	Non-Resident
R3700	489,190	3,627,362	4.07E-02	1.32E-04	Onsite	Non-Resident
R3701	489,215	3,627,362	4.99E-02	1.61E-04	Onsite	Non-Resident
R3702	489,240	3,627,362	6.34E-02	2.05E-04	Offsite	Worker
R3707	489,365	3,627,362	1.32E+00	3.54E-04	Offsite	Resident
R3708	489,390	3,627,362	9.52E-01	2.56E-04	Offsite	Resident
R3709	489,415	3,627,362	7.50E-01	2.01E-04	Offsite	Resident
R3710	489,440	3,627,362	6.17E-01	1.66E-04	Offsite	Resident
R3711	489,465	3,627,362	5.27E-01	1.42E-04	Offsite	Resident
R3712	489,490	3,627,362	4.59E-01	1.23E-04	Offsite	Resident
R3713	489,515	3,627,362	4.05E-01	1.09E-04	Offsite	Resident
R3714	489,540	3,627,362	3.63E-01	9.75E-05	Offsite	Resident
R3715	489,565	3,627,362	3.28E-01	8.81E-05	Offsite	Resident
R3716	489,590	3,627,362	2.99E-01	8.02E-05	Offsite	Resident
R3717	489,615	3,627,362	2.74E-01	7.36E-05	Offsite	Resident
R3718	489,640	3,627,362	2.53E-01	6.79E-05	Offsite	Resident
R3720	489,690	3,627,362	2.17E-01	5.84E-05	Offsite	Resident
R3721	489,715	3,627,362	2.03E-01	5.45E-05	Offsite	Resident
R3722	489,740	3,627,362	1.90E-01	5.09E-05	Offsite	Resident
R3723	488,890	3,627,387	1.49E-01	4.01E-05	Onsite	Resident
R3724	488,915	3,627,387	1.60E-01	4.29E-05	Onsite	Resident
R3725	488,940	3,627,387	1.71E-01	4.61E-05	Onsite	Resident
R3726	488,965	3,627,387	1.85E-01	4.96E-05	Onsite	Resident
R3727	488,990	3,627,387	1.99E-01	5.36E-05	Onsite	Resident
R3728	489,015	3,627,387	1.80E-02	5.82E-05	Onsite	Non-Resident
R3729	489,040	3,627,387	2.36E-01	6.34E-05	Onsite	Resident
R3730	489,065	3,627,387	2.59E-01	6.97E-05	Onsite	Resident
R3731	489,090	3,627,387	2.87E-01	7.71E-05	Onsite	Resident
R3732	489,115	3,627,387	3.21E-01	8.63E-05	Onsite	Resident
R3733	489,140	3,627,387	3.03E-02	9.79E-05	Onsite	Non-Resident
R3734	489,165	3,627,387	3.51E-02	1.13E-04	Onsite	Non-Resident
R3735	489,190	3,627,387	4.17E-02	1.35E-04	Onsite	Non-Resident
R3736	489,215	3,627,387	5.16E-02	1.67E-04	Onsite	Non-Resident
R3737	489,240	3,627,387	6.70E-02	2.17E-04	Offsite	Worker
R3741	489,340	3,627,387	1.93E+00	5.18E-04	Offsite	Resident
R3742	489,365	3,627,387	1.26E+00	3.38E-04	Offsite	Resident
R3743	489,390	3,627,387	9.18E-01	2.47E-04	Offsite	Resident
R3744	489,415	3,627,387	7.26E-01	1.95E-04	Offsite	Resident
R3745	489,440	3,627,387	6.01E-01	1.62E-04	Offsite	Resident
R3746	489,465	3,627,387	4.29E-02	1.39E-04	Offsite	Worker
R3747	489,490	3,627,387	3.74E-02	1.21E-04	Offsite	Worker
R3748	489,515	3,627,387	3.31E-02	1.07E-04	Offsite	Worker
R3749	489,540	3,627,387	2.96E-02	9.58E-05	Offsite	Worker
R3750	489,565	3,627,387	2.68E-02	8.66E-05	Offsite	Worker
R3751	489,590	3,627,387	2.44E-02	7.89E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3752	489,615	3,627,387	2.24E-02	7.24E-05	Offsite	Worker
R3753	489,640	3,627,387	2.07E-02	6.67E-05	Offsite	Worker
R3755	489,690	3,627,387	1.78E-02	5.75E-05	Offsite	Worker
R3756	489,715	3,627,387	1.66E-02	5.36E-05	Offsite	Worker
R3757	488,890	3,627,412	1.48E-01	3.97E-05	Onsite	Resident
R3758	488,915	3,627,412	1.58E-01	4.25E-05	Onsite	Resident
R3759	488,940	3,627,412	1.70E-01	4.57E-05	Onsite	Resident
R3760	488,965	3,627,412	1.83E-01	4.93E-05	Onsite	Resident
R3761	488,990	3,627,412	1.99E-01	5.34E-05	Onsite	Resident
R3762	489,015	3,627,412	1.79E-02	5.80E-05	Onsite	Non-Resident
R3763	489,040	3,627,412	2.36E-01	6.34E-05	Onsite	Resident
R3764	489,065	3,627,412	2.60E-01	6.98E-05	Onsite	Resident
R3765	489,090	3,627,412	2.88E-01	7.75E-05	Onsite	Resident
R3766	489,115	3,627,412	3.24E-01	8.70E-05	Onsite	Resident
R3767	489,140	3,627,412	3.07E-02	9.91E-05	Onsite	Non-Resident
R3768	489,165	3,627,412	3.57E-02	1.15E-04	Onsite	Non-Resident
R3769	489,190	3,627,412	4.26E-02	1.38E-04	Onsite	Non-Resident
R3770	489,215	3,627,412	5.31E-02	1.72E-04	Onsite	Non-Resident
R3771	489,240	3,627,412	7.19E-02	2.32E-04	Offsite	Worker
R3775	489,340	3,627,412	1.78E+00	4.79E-04	Offsite	Resident
R3776	489,365	3,627,412	1.19E+00	3.20E-04	Offsite	Resident
R3777	489,390	3,627,412	8.87E-01	2.38E-04	Offsite	Resident
R3778	489,415	3,627,412	7.07E-01	1.90E-04	Offsite	Resident
R3779	489,440	3,627,412	5.87E-01	1.58E-04	Offsite	Resident
R3780	489,465	3,627,412	4.20E-02	1.36E-04	Offsite	Worker
R3781	489,490	3,627,412	3.66E-02	1.18E-04	Offsite	Worker
R3782	489,515	3,627,412	3.25E-02	1.05E-04	Offsite	Worker
R3783	489,540	3,627,412	2.91E-02	9.40E-05	Offsite	Worker
R3784	489,565	3,627,412	2.63E-02	8.51E-05	Offsite	Worker
R3785	489,590	3,627,412	2.40E-02	7.76E-05	Offsite	Worker
R3786	489,615	3,627,412	2.20E-02	7.12E-05	Offsite	Worker
R3787	489,640	3,627,412	2.03E-02	6.56E-05	Offsite	Worker
R3789	489,690	3,627,412	1.75E-02	5.65E-05	Offsite	Worker
R3790	489,715	3,627,412	1.63E-02	5.27E-05	Offsite	Worker
R3791	488,890	3,627,437	1.46E-01	3.92E-05	Onsite	Resident
R3792	488,915	3,627,437	1.57E-01	4.21E-05	Onsite	Resident
R3793	488,940	3,627,437	1.68E-01	4.53E-05	Onsite	Resident
R3794	488,965	3,627,437	1.82E-01	4.89E-05	Onsite	Resident
R3795	488,990	3,627,437	1.97E-01	5.30E-05	Onsite	Resident
R3796	489,015	3,627,437	1.79E-02	5.77E-05	Onsite	Non-Resident
R3797	489,040	3,627,437	2.35E-01	6.32E-05	Onsite	Resident
R3798	489,065	3,627,437	2.60E-01	6.98E-05	Onsite	Resident
R3799	489,090	3,627,437	2.89E-01	7.77E-05	Onsite	Resident
R3800	489,115	3,627,437	3.25E-01	8.74E-05	Onsite	Resident
R3801	489,140	3,627,437	3.09E-02	9.99E-05	Onsite	Non-Resident
R3802	489,165	3,627,437	3.61E-02	1.17E-04	Onsite	Non-Resident
R3803	489,190	3,627,437	4.33E-02	1.40E-04	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3804	489,215	3,627,437	5.44E-02	1.76E-04	Onsite	Non-Resident
R3805	489,240	3,627,437	7.60E-02	2.46E-04	Offsite	Worker
R3809	489,340	3,627,437	1.66E+00	4.47E-04	Offsite	Resident
R3810	489,365	3,627,437	1.14E+00	3.07E-04	Offsite	Resident
R3811	489,390	3,627,437	8.58E-01	2.31E-04	Offsite	Resident
R3812	489,415	3,627,437	6.89E-01	1.85E-04	Offsite	Resident
R3813	489,440	3,627,437	5.74E-01	1.54E-04	Offsite	Resident
R3814	489,465	3,627,437	4.12E-02	1.33E-04	Offsite	Worker
R3815	489,490	3,627,437	3.60E-02	1.16E-04	Offsite	Worker
R3816	489,515	3,627,437	3.19E-02	1.03E-04	Offsite	Worker
R3817	489,540	3,627,437	2.86E-02	9.25E-05	Offsite	Worker
R3818	489,565	3,627,437	2.59E-02	8.37E-05	Offsite	Worker
R3819	489,590	3,627,437	2.36E-02	7.64E-05	Offsite	Worker
R3820	489,615	3,627,437	2.17E-02	7.01E-05	Offsite	Worker
R3821	489,640	3,627,437	2.00E-02	6.46E-05	Offsite	Worker
R3825	488,890	3,627,462	1.44E-01	3.86E-05	Onsite	Resident
R3826	488,915	3,627,462	1.54E-01	4.15E-05	Onsite	Resident
R3827	488,940	3,627,462	1.38E-02	4.47E-05	Onsite	Non-Resident
R3828	488,965	3,627,462	1.80E-01	4.83E-05	Onsite	Resident
R3829	488,990	3,627,462	1.95E-01	5.24E-05	Onsite	Resident
R3830	489,015	3,627,462	2.13E-01	5.73E-05	Onsite	Resident
R3831	489,040	3,627,462	2.34E-01	6.29E-05	Onsite	Resident
R3832	489,065	3,627,462	2.59E-01	6.96E-05	Onsite	Resident
R3833	489,090	3,627,462	2.40E-02	7.76E-05	Onsite	Non-Resident
R3834	489,115	3,627,462	2.71E-02	8.76E-05	Onsite	Non-Resident
R3835	489,140	3,627,462	3.11E-02	1.00E-04	Onsite	Non-Resident
R3836	489,165	3,627,462	3.64E-02	1.18E-04	Onsite	Non-Resident
R3837	489,190	3,627,462	4.39E-02	1.42E-04	Onsite	Non-Resident
R3838	489,215	3,627,462	5.60E-02	1.81E-04	Onsite	Non-Resident
R3843	489,340	3,627,462	1.59E+00	4.28E-04	Offsite	Resident
R3844	489,365	3,627,462	1.10E+00	2.96E-04	Offsite	Resident
R3845	489,390	3,627,462	8.37E-01	2.25E-04	Offsite	Resident
R3846	489,415	3,627,462	6.75E-01	1.81E-04	Offsite	Resident
R3847	489,440	3,627,462	5.64E-01	1.52E-04	Offsite	Resident
R3848	489,465	3,627,462	4.04E-02	1.31E-04	Offsite	Worker
R3849	489,490	3,627,462	3.54E-02	1.14E-04	Offsite	Worker
R3850	489,515	3,627,462	3.14E-02	1.02E-04	Offsite	Worker
R3851	489,540	3,627,462	2.82E-02	9.11E-05	Offsite	Worker
R3852	489,565	3,627,462	2.55E-02	8.25E-05	Offsite	Worker
R3853	489,590	3,627,462	2.33E-02	7.53E-05	Offsite	Worker
R3857	489,690	3,627,462	2.03E-01	5.45E-05	Offsite	Resident
R3858	489,715	3,627,462	1.87E-01	5.02E-05	Offsite	Resident
R3859	488,890	3,627,487	1.41E-01	3.80E-05	Onsite	Resident
R3860	488,915	3,627,487	1.26E-02	4.08E-05	Onsite	Non-Resident
R3861	488,940	3,627,487	1.36E-02	4.40E-05	Onsite	Non-Resident
R3862	488,965	3,627,487	1.47E-02	4.76E-05	Onsite	Non-Resident
R3863	488,990	3,627,487	1.60E-02	5.18E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3864	489,015	3,627,487	2.11E-01	5.67E-05	Onsite	Resident
R3865	489,040	3,627,487	2.32E-01	6.23E-05	Onsite	Resident
R3866	489,065	3,627,487	2.57E-01	6.91E-05	Onsite	Resident
R3867	489,090	3,627,487	2.88E-01	7.73E-05	Onsite	Resident
R3868	489,115	3,627,487	2.71E-02	8.75E-05	Onsite	Non-Resident
R3869	489,140	3,627,487	3.74E-01	1.01E-04	Onsite	Resident
R3870	489,165	3,627,487	3.66E-02	1.18E-04	Onsite	Non-Resident
R3871	489,190	3,627,487	4.43E-02	1.43E-04	Onsite	Non-Resident
R3872	489,215	3,627,487	5.72E-02	1.85E-04	Onsite	Non-Resident
R3877	489,340	3,627,487	1.55E+00	4.16E-04	Offsite	Resident
R3878	489,365	3,627,487	1.08E+00	2.89E-04	Offsite	Resident
R3879	489,390	3,627,487	8.22E-01	2.21E-04	Offsite	Resident
R3880	489,415	3,627,487	6.63E-01	1.78E-04	Offsite	Resident
R3881	489,440	3,627,487	5.56E-01	1.49E-04	Offsite	Resident
R3882	489,465	3,627,487	3.99E-02	1.29E-04	Offsite	Worker
R3883	489,490	3,627,487	3.49E-02	1.13E-04	Offsite	Worker
R3884	489,515	3,627,487	3.10E-02	1.00E-04	Offsite	Worker
R3888	489,615	3,627,487	2.53E-01	6.79E-05	Offsite	Resident
R3889	489,640	3,627,487	2.33E-01	6.27E-05	Offsite	Resident
R3891	489,690	3,627,487	1.95E-01	5.25E-05	Offsite	Resident
R3892	488,890	3,627,512	1.38E-01	3.72E-05	Onsite	Resident
R3893	488,915	3,627,512	1.49E-01	4.00E-05	Onsite	Resident
R3894	488,940	3,627,512	1.34E-02	4.32E-05	Onsite	Non-Resident
R3895	488,965	3,627,512	1.74E-01	4.69E-05	Onsite	Resident
R3896	488,990	3,627,512	1.90E-01	5.11E-05	Onsite	Resident
R3897	489,015	3,627,512	2.08E-01	5.59E-05	Onsite	Resident
R3898	489,040	3,627,512	2.29E-01	6.16E-05	Onsite	Resident
R3899	489,065	3,627,512	2.55E-01	6.85E-05	Onsite	Resident
R3900	489,090	3,627,512	2.86E-01	7.68E-05	Onsite	Resident
R3901	489,115	3,627,512	2.69E-02	8.71E-05	Onsite	Non-Resident
R3902	489,140	3,627,512	3.74E-01	1.00E-04	Onsite	Resident
R3903	489,165	3,627,512	4.40E-01	1.18E-04	Onsite	Resident
R3904	489,190	3,627,512	4.45E-02	1.44E-04	Onsite	Non-Resident
R3905	489,215	3,627,512	5.79E-02	1.87E-04	Onsite	Non-Resident
R3910	489,340	3,627,512	1.51E+00	4.06E-04	Offsite	Resident
R3911	489,365	3,627,512	1.06E+00	2.84E-04	Offsite	Resident
R3912	489,390	3,627,512	8.08E-01	2.17E-04	Offsite	Resident
R3913	489,415	3,627,512	6.54E-01	1.76E-04	Offsite	Resident
R3914	489,440	3,627,512	5.50E-01	1.48E-04	Offsite	Resident
R3915	489,465	3,627,512	3.94E-02	1.27E-04	Offsite	Worker
R3919	489,565	3,627,512	2.98E-01	8.01E-05	Offsite	Resident
R3920	489,590	3,627,512	2.66E-01	7.16E-05	Offsite	Resident
R3921	489,615	3,627,512	2.43E-01	6.54E-05	Offsite	Resident
R3922	489,640	3,627,512	2.31E-01	6.21E-05	Offsite	Resident
R3924	489,690	3,627,512	1.91E-01	5.14E-05	Offsite	Resident
R3925	488,865	3,627,537	1.26E-01	3.39E-05	Onsite	Resident
R3926	488,890	3,627,537	1.35E-01	3.64E-05	Onsite	Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3927	488,915	3,627,537	1.46E-01	3.92E-05	Onsite	Resident
R3928	488,940	3,627,537	1.31E-02	4.24E-05	Onsite	Non-Resident
R3929	488,965	3,627,537	1.71E-01	4.60E-05	Onsite	Resident
R3930	488,990	3,627,537	1.87E-01	5.02E-05	Onsite	Resident
R3931	489,015	3,627,537	2.05E-01	5.50E-05	Onsite	Resident
R3932	489,040	3,627,537	2.26E-01	6.07E-05	Onsite	Resident
R3933	489,065	3,627,537	2.51E-01	6.76E-05	Onsite	Resident
R3934	489,090	3,627,537	2.82E-01	7.59E-05	Onsite	Resident
R3935	489,115	3,627,537	2.67E-02	8.63E-05	Onsite	Non-Resident
R3936	489,140	3,627,537	3.71E-01	9.98E-05	Onsite	Resident
R3937	489,165	3,627,537	4.39E-01	1.18E-04	Onsite	Resident
R3938	489,190	3,627,537	4.46E-02	1.44E-04	Onsite	Non-Resident
R3939	489,215	3,627,537	5.82E-02	1.88E-04	Onsite	Non-Resident
R3944	489,340	3,627,537	1.48E+00	3.99E-04	Offsite	Resident
R3945	489,365	3,627,537	1.04E+00	2.80E-04	Offsite	Resident
R3946	489,390	3,627,537	8.04E-01	2.16E-04	Offsite	Resident
R3947	489,415	3,627,537	6.49E-01	1.74E-04	Offsite	Resident
R3951	489,515	3,627,537	3.58E-01	9.61E-05	Offsite	Resident
R3952	489,540	3,627,537	3.14E-01	8.44E-05	Offsite	Resident
R3953	489,565	3,627,537	2.84E-01	7.64E-05	Offsite	Resident
R3954	489,590	3,627,537	2.60E-01	6.99E-05	Offsite	Resident
R3955	489,615	3,627,537	2.40E-01	6.44E-05	Offsite	Resident
R3956	489,640	3,627,537	2.25E-01	6.03E-05	Offsite	Resident
R3958	489,690	3,627,537	1.89E-01	5.07E-05	Offsite	Resident
R3959	488,865	3,627,562	1.02E-02	3.31E-05	Onsite	Non-Resident
R3960	488,890	3,627,562	1.32E-01	3.56E-05	Onsite	Resident
R3961	488,915	3,627,562	1.43E-01	3.83E-05	Onsite	Resident
R3962	488,940	3,627,562	1.28E-02	4.15E-05	Onsite	Non-Resident
R3963	488,965	3,627,562	1.68E-01	4.50E-05	Onsite	Resident
R3964	488,990	3,627,562	1.83E-01	4.92E-05	Onsite	Resident
R3965	489,015	3,627,562	2.01E-01	5.41E-05	Onsite	Resident
R3966	489,040	3,627,562	2.22E-01	5.97E-05	Onsite	Resident
R3967	489,065	3,627,562	2.47E-01	6.65E-05	Onsite	Resident
R3968	489,090	3,627,562	2.78E-01	7.48E-05	Onsite	Resident
R3969	489,115	3,627,562	3.17E-01	8.53E-05	Onsite	Resident
R3970	489,140	3,627,562	3.68E-01	9.89E-05	Onsite	Resident
R3971	489,165	3,627,562	3.63E-02	1.17E-04	Onsite	Non-Resident
R3972	489,190	3,627,562	4.45E-02	1.44E-04	Onsite	Non-Resident
R3973	489,215	3,627,562	5.78E-02	1.87E-04	Onsite	Non-Resident
R3974	489,240	3,627,562	8.51E-02	2.75E-04	Offsite	Worker
R3982	489,440	3,627,562	5.43E-01	1.46E-04	Offsite	Resident
R3983	489,465	3,627,562	4.66E-01	1.25E-04	Offsite	Resident
R3984	489,490	3,627,562	3.99E-01	1.07E-04	Offsite	Resident
R3985	489,515	3,627,562	3.46E-01	9.31E-05	Offsite	Resident
R3986	489,540	3,627,562	3.09E-01	8.29E-05	Offsite	Resident
R3987	489,565	3,627,562	2.81E-01	7.56E-05	Offsite	Resident
R3988	489,590	3,627,562	2.55E-01	6.85E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R3989	489,615	3,627,562	2.36E-01	6.34E-05	Offsite	Resident
R3990	489,640	3,627,562	2.19E-01	5.88E-05	Offsite	Resident
R3993	488,865	3,627,587	1.20E-01	3.22E-05	Onsite	Resident
R3994	488,890	3,627,587	1.29E-01	3.46E-05	Onsite	Resident
R3995	488,915	3,627,587	1.39E-01	3.74E-05	Onsite	Resident
R3996	488,940	3,627,587	1.51E-01	4.04E-05	Onsite	Resident
R3997	488,965	3,627,587	1.64E-01	4.40E-05	Onsite	Resident
R3998	488,990	3,627,587	1.79E-01	4.80E-05	Onsite	Resident
R3999	489,015	3,627,587	1.97E-01	5.28E-05	Onsite	Resident
R4000	489,040	3,627,587	1.81E-02	5.85E-05	Onsite	Non-Resident
R4001	489,065	3,627,587	2.43E-01	6.52E-05	Onsite	Resident
R4002	489,090	3,627,587	2.73E-01	7.35E-05	Onsite	Resident
R4003	489,115	3,627,587	3.12E-01	8.39E-05	Onsite	Resident
R4004	489,140	3,627,587	3.01E-02	9.74E-05	Onsite	Non-Resident
R4005	489,165	3,627,587	3.59E-02	1.16E-04	Onsite	Non-Resident
R4006	489,190	3,627,587	4.42E-02	1.43E-04	Onsite	Non-Resident
R4007	489,215	3,627,587	5.79E-02	1.87E-04	Onsite	Non-Resident
R4014	489,390	3,627,587	7.97E-01	2.14E-04	Offsite	Resident
R4015	489,415	3,627,587	6.45E-01	1.73E-04	Offsite	Resident
R4016	489,440	3,627,587	5.26E-01	1.41E-04	Offsite	Resident
R4017	489,465	3,627,587	4.57E-01	1.23E-04	Offsite	Resident
R4018	489,490	3,627,587	3.78E-01	1.02E-04	Offsite	Resident
R4019	489,515	3,627,587	3.40E-01	9.12E-05	Offsite	Resident
R4020	489,540	3,627,587	2.94E-01	7.90E-05	Offsite	Resident
R4021	489,565	3,627,587	2.57E-01	6.90E-05	Offsite	Resident
R4022	489,590	3,627,587	2.41E-01	6.48E-05	Offsite	Resident
R4023	489,615	3,627,587	2.07E-01	5.56E-05	Offsite	Resident
R4024	489,640	3,627,587	1.87E-01	5.03E-05	Offsite	Resident
R4025	489,665	3,627,587	1.91E-01	5.13E-05	Offsite	Resident
R4027	488,865	3,627,612	1.16E-01	3.13E-05	Onsite	Resident
R4028	488,890	3,627,612	1.25E-01	3.36E-05	Onsite	Resident
R4029	488,915	3,627,612	1.35E-01	3.63E-05	Onsite	Resident
R4030	488,940	3,627,612	1.46E-01	3.93E-05	Onsite	Resident
R4031	488,965	3,627,612	1.59E-01	4.28E-05	Onsite	Resident
R4032	488,990	3,627,612	1.74E-01	4.68E-05	Onsite	Resident
R4033	489,015	3,627,612	1.91E-01	5.14E-05	Onsite	Resident
R4034	489,040	3,627,612	1.76E-02	5.70E-05	Onsite	Non-Resident
R4035	489,065	3,627,612	1.97E-02	6.36E-05	Onsite	Non-Resident
R4036	489,090	3,627,612	2.22E-02	7.18E-05	Onsite	Non-Resident
R4037	489,115	3,627,612	2.54E-02	8.20E-05	Onsite	Non-Resident
R4038	489,140	3,627,612	2.97E-02	9.59E-05	Onsite	Non-Resident
R4039	489,165	3,627,612	3.56E-02	1.15E-04	Onsite	Non-Resident
R4047	489,365	3,627,612	9.49E-01	2.55E-04	Offsite	Resident
R4048	489,390	3,627,612	7.59E-01	2.04E-04	Offsite	Resident
R4049	489,415	3,627,612	5.89E-01	1.58E-04	Offsite	Resident
R4050	489,440	3,627,612	4.83E-01	1.30E-04	Offsite	Resident
R4051	489,465	3,627,612	3.81E-01	1.03E-04	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4052	489,490	3,627,612	3.15E-01	8.46E-05	Offsite	Resident
R4053	489,515	3,627,612	2.75E-01	7.40E-05	Offsite	Resident
R4054	489,540	3,627,612	2.56E-01	6.88E-05	Offsite	Resident
R4055	489,565	3,627,612	2.32E-01	6.23E-05	Offsite	Resident
R4056	489,590	3,627,612	2.08E-01	5.60E-05	Offsite	Resident
R4057	489,615	3,627,612	1.92E-01	5.15E-05	Offsite	Resident
R4058	489,640	3,627,612	1.76E-01	4.73E-05	Offsite	Resident
R4059	489,665	3,627,612	1.80E-01	4.84E-05	Offsite	Resident
R4060	489,690	3,627,612	1.70E-01	4.56E-05	Offsite	Resident
R4061	489,715	3,627,612	1.61E-01	4.31E-05	Offsite	Resident
R4063	488,890	3,627,637	1.21E-01	3.26E-05	Onsite	Resident
R4064	488,915	3,627,637	1.31E-01	3.51E-05	Onsite	Resident
R4065	488,940	3,627,637	1.42E-01	3.81E-05	Onsite	Resident
R4066	488,965	3,627,637	1.28E-02	4.14E-05	Onsite	Non-Resident
R4067	488,990	3,627,637	1.40E-02	4.53E-05	Onsite	Non-Resident
R4068	489,015	3,627,637	1.54E-02	4.99E-05	Onsite	Non-Resident
R4069	489,040	3,627,637	1.71E-02	5.54E-05	Onsite	Non-Resident
R4070	489,065	3,627,637	1.92E-02	6.20E-05	Onsite	Non-Resident
R4071	489,090	3,627,637	2.17E-02	7.01E-05	Onsite	Non-Resident
R4082	489,365	3,627,637	6.89E-01	1.85E-04	Offsite	Resident
R4083	489,390	3,627,637	5.36E-01	1.44E-04	Offsite	Resident
R4084	489,415	3,627,637	4.14E-01	1.11E-04	Offsite	Resident
R4085	489,440	3,627,637	3.56E-01	9.56E-05	Offsite	Resident
R4086	489,465	3,627,637	3.20E-01	8.59E-05	Offsite	Resident
R4087	489,490	3,627,637	2.88E-01	7.73E-05	Offsite	Resident
R4088	489,515	3,627,637	2.62E-01	7.04E-05	Offsite	Resident
R4089	489,540	3,627,637	2.43E-01	6.54E-05	Offsite	Resident
R4090	489,565	3,627,637	2.18E-01	5.85E-05	Offsite	Resident
R4091	489,590	3,627,637	2.00E-01	5.38E-05	Offsite	Resident
R4092	489,615	3,627,637	1.82E-01	4.90E-05	Offsite	Resident
R4093	489,640	3,627,637	1.68E-01	4.51E-05	Offsite	Resident
R4094	489,665	3,627,637	1.58E-01	4.25E-05	Offsite	Resident
R4095	489,690	3,627,637	1.47E-01	3.95E-05	Offsite	Resident
R4096	489,715	3,627,637	1.41E-01	3.79E-05	Offsite	Resident
R4099	488,915	3,627,662	1.26E-01	3.39E-05	Onsite	Resident
R4100	488,940	3,627,662	1.37E-01	3.67E-05	Onsite	Resident
R4101	488,965	3,627,662	1.24E-02	4.00E-05	Onsite	Non-Resident
R4102	488,990	3,627,662	1.35E-02	4.37E-05	Onsite	Non-Resident
R4103	489,015	3,627,662	1.49E-02	4.82E-05	Onsite	Non-Resident
R4109	489,165	3,627,662	3.30E-02	1.07E-04	Offsite	Worker
R4110	489,190	3,627,662	4.01E-02	1.29E-04	Offsite	Worker
R4111	489,215	3,627,662	5.13E-02	1.66E-04	Offsite	Worker
R4118	489,390	3,627,662	4.72E-01	1.27E-04	Offsite	Resident
R4119	489,415	3,627,662	3.99E-01	1.07E-04	Offsite	Resident
R4120	489,440	3,627,662	3.49E-01	9.39E-05	Offsite	Resident
R4121	489,465	3,627,662	3.20E-01	8.60E-05	Offsite	Resident
R4122	489,490	3,627,662	2.88E-01	7.73E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4123	489,515	3,627,662	2.53E-01	6.79E-05	Offsite	Resident
R4124	489,540	3,627,662	2.31E-01	6.20E-05	Offsite	Resident
R4125	489,565	3,627,662	2.03E-01	5.47E-05	Offsite	Resident
R4126	489,590	3,627,662	1.86E-01	4.99E-05	Offsite	Resident
R4127	489,615	3,627,662	1.70E-01	4.56E-05	Offsite	Resident
R4128	489,640	3,627,662	1.58E-01	4.24E-05	Offsite	Resident
R4129	489,665	3,627,662	1.45E-01	3.89E-05	Offsite	Resident
R4130	489,690	3,627,662	1.33E-01	3.57E-05	Offsite	Resident
R4131	489,715	3,627,662	1.23E-01	3.30E-05	Offsite	Resident
R4140	489,090	3,627,687	2.00E-02	6.48E-05	Offsite	Worker
R4141	489,115	3,627,687	2.29E-02	7.40E-05	Offsite	Worker
R4142	489,140	3,627,687	2.66E-02	8.59E-05	Offsite	Worker
R4143	489,165	3,627,687	3.13E-02	1.01E-04	Offsite	Worker
R4144	489,190	3,627,687	3.81E-02	1.23E-04	Offsite	Worker
R4145	489,215	3,627,687	4.82E-02	1.56E-04	Offsite	Worker
R4146	489,240	3,627,687	6.54E-02	2.11E-04	Offsite	Worker
R4152	489,390	3,627,687	4.72E-01	1.27E-04	Offsite	Resident
R4153	489,415	3,627,687	4.00E-01	1.07E-04	Offsite	Resident
R4154	489,440	3,627,687	3.51E-01	9.43E-05	Offsite	Resident
R4155	489,465	3,627,687	3.07E-01	8.24E-05	Offsite	Resident
R4156	489,490	3,627,687	2.77E-01	7.46E-05	Offsite	Resident
R4157	489,515	3,627,687	2.44E-01	6.56E-05	Offsite	Resident
R4158	489,540	3,627,687	2.22E-01	5.96E-05	Offsite	Resident
R4159	489,565	3,627,687	1.90E-01	5.12E-05	Offsite	Resident
R4160	489,590	3,627,687	1.77E-01	4.76E-05	Offsite	Resident
R4161	489,615	3,627,687	1.64E-01	4.42E-05	Offsite	Resident
R4162	489,640	3,627,687	1.54E-01	4.13E-05	Offsite	Resident
R4163	489,665	3,627,687	1.40E-01	3.76E-05	Offsite	Resident
R4164	489,690	3,627,687	1.25E-01	3.35E-05	Offsite	Resident
R4165	489,715	3,627,687	1.15E-01	3.09E-05	Offsite	Resident
R4166	488,890	3,627,712	1.08E-01	2.90E-05	Offsite	Resident
R4173	489,065	3,627,712	1.69E-02	5.46E-05	Offsite	Worker
R4174	489,090	3,627,712	1.91E-02	6.17E-05	Offsite	Worker
R4175	489,115	3,627,712	2.18E-02	7.04E-05	Offsite	Worker
R4176	489,140	3,627,712	2.52E-02	8.16E-05	Offsite	Worker
R4177	489,165	3,627,712	2.97E-02	9.59E-05	Offsite	Worker
R4178	489,190	3,627,712	3.59E-02	1.16E-04	Offsite	Worker
R4179	489,215	3,627,712	4.53E-02	1.46E-04	Offsite	Worker
R4180	489,240	3,627,712	6.11E-02	1.97E-04	Offsite	Worker
R4186	489,390	3,627,712	4.90E-01	1.32E-04	Offsite	Resident
R4187	489,415	3,627,712	4.12E-01	1.11E-04	Offsite	Resident
R4188	489,440	3,627,712	3.57E-01	9.60E-05	Offsite	Resident
R4189	489,465	3,627,712	3.02E-01	8.11E-05	Offsite	Resident
R4190	489,490	3,627,712	2.58E-01	6.93E-05	Offsite	Resident
R4191	489,515	3,627,712	2.40E-01	6.44E-05	Offsite	Resident
R4192	489,540	3,627,712	2.07E-01	5.57E-05	Offsite	Resident
R4193	489,565	3,627,712	1.87E-01	5.03E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4194	489,590	3,627,712	1.71E-01	4.60E-05	Offsite	Resident
R4195	489,615	3,627,712	1.59E-01	4.26E-05	Offsite	Resident
R4196	489,640	3,627,712	1.50E-01	4.04E-05	Offsite	Resident
R4197	489,665	3,627,712	1.35E-01	3.62E-05	Offsite	Resident
R4198	489,690	3,627,712	1.20E-01	3.24E-05	Offsite	Resident
R4199	489,715	3,627,712	1.09E-01	2.92E-05	Offsite	Resident
R4200	488,890	3,627,737	9.86E-02	2.65E-05	Offsite	Resident
R4201	488,915	3,627,737	1.08E-01	2.90E-05	Offsite	Resident
R4202	488,940	3,627,737	1.20E-01	3.22E-05	Offsite	Resident
R4203	488,965	3,627,737	1.30E-01	3.50E-05	Offsite	Resident
R4207	489,065	3,627,737	1.61E-02	5.20E-05	Offsite	Worker
R4208	489,090	3,627,737	1.82E-02	5.87E-05	Offsite	Worker
R4209	489,115	3,627,737	2.07E-02	6.68E-05	Offsite	Worker
R4210	489,140	3,627,737	2.38E-02	7.71E-05	Offsite	Worker
R4211	489,165	3,627,737	2.79E-02	9.03E-05	Offsite	Worker
R4212	489,190	3,627,737	3.37E-02	1.09E-04	Offsite	Worker
R4220	489,390	3,627,737	5.16E-01	1.39E-04	Offsite	Resident
R4221	489,415	3,627,737	4.33E-01	1.16E-04	Offsite	Resident
R4222	489,440	3,627,737	3.65E-01	9.80E-05	Offsite	Resident
R4223	489,465	3,627,737	3.01E-01	8.09E-05	Offsite	Resident
R4224	489,490	3,627,737	2.60E-01	6.99E-05	Offsite	Resident
R4225	489,515	3,627,737	2.40E-01	6.46E-05	Offsite	Resident
R4226	489,540	3,627,737	2.08E-01	5.58E-05	Offsite	Resident
R4227	489,565	3,627,737	1.83E-01	4.93E-05	Offsite	Resident
R4228	489,590	3,627,737	1.67E-01	4.49E-05	Offsite	Resident
R4229	489,615	3,627,737	1.51E-01	4.06E-05	Offsite	Resident
R4230	489,640	3,627,737	1.44E-01	3.88E-05	Offsite	Resident
R4231	489,665	3,627,737	1.27E-01	3.41E-05	Offsite	Resident
R4232	489,690	3,627,737	1.13E-01	3.04E-05	Offsite	Resident
R4233	489,715	3,627,737	1.05E-01	2.82E-05	Offsite	Resident
R4234	489,740	3,627,737	9.51E-02	2.56E-05	Offsite	Resident
R4235	488,890	3,627,762	7.68E-02	2.06E-05	Offsite	Resident
R4236	488,915	3,627,762	8.83E-02	2.37E-05	Offsite	Resident
R4237	488,940	3,627,762	1.03E-01	2.76E-05	Offsite	Resident
R4238	488,965	3,627,762	1.15E-01	3.09E-05	Offsite	Resident
R4256	489,415	3,627,762	4.67E-01	1.25E-04	Offsite	Resident
R4257	489,440	3,627,762	3.75E-01	1.01E-04	Offsite	Resident
R4258	489,465	3,627,762	2.99E-01	8.03E-05	Offsite	Resident
R4259	489,490	3,627,762	2.65E-01	7.11E-05	Offsite	Resident
R4260	489,515	3,627,762	2.40E-01	6.45E-05	Offsite	Resident
R4261	489,540	3,627,762	2.07E-01	5.55E-05	Offsite	Resident
R4262	489,565	3,627,762	1.83E-01	4.90E-05	Offsite	Resident
R4263	489,590	3,627,762	1.63E-01	4.38E-05	Offsite	Resident
R4264	489,615	3,627,762	1.49E-01	4.01E-05	Offsite	Resident
R4265	489,640	3,627,762	1.39E-01	3.74E-05	Offsite	Resident
R4266	489,665	3,627,762	1.22E-01	3.27E-05	Offsite	Resident
R4267	489,690	3,627,762	1.09E-01	2.92E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4268	489,715	3,627,762	1.00E-01	2.69E-05	Offsite	Resident
R4269	489,740	3,627,762	9.20E-02	2.47E-05	Offsite	Resident
R4270	488,890	3,627,787	5.52E-02	1.48E-05	Offsite	Resident
R4271	488,915	3,627,787	6.32E-02	1.70E-05	Offsite	Resident
R4272	488,940	3,627,787	7.76E-02	2.09E-05	Offsite	Resident
R4273	488,965	3,627,787	9.87E-02	2.65E-05	Offsite	Resident
R4274	488,990	3,627,787	1.19E-01	3.20E-05	Offsite	Resident
R4275	489,015	3,627,787	1.33E-01	3.58E-05	Offsite	Resident
R4276	489,040	3,627,787	1.50E-01	4.04E-05	Offsite	Resident
R4292	489,440	3,627,787	3.81E-01	1.02E-04	Offsite	Resident
R4293	489,465	3,627,787	3.14E-01	8.45E-05	Offsite	Resident
R4294	489,490	3,627,787	2.73E-01	7.33E-05	Offsite	Resident
R4295	489,515	3,627,787	2.36E-01	6.34E-05	Offsite	Resident
R4296	489,540	3,627,787	2.05E-01	5.52E-05	Offsite	Resident
R4297	489,565	3,627,787	1.82E-01	4.90E-05	Offsite	Resident
R4298	489,590	3,627,787	1.61E-01	4.32E-05	Offsite	Resident
R4299	489,615	3,627,787	1.45E-01	3.88E-05	Offsite	Resident
R4300	489,640	3,627,787	1.30E-01	3.50E-05	Offsite	Resident
R4301	489,665	3,627,787	1.15E-01	3.10E-05	Offsite	Resident
R4302	489,690	3,627,787	1.05E-01	2.83E-05	Offsite	Resident
R4303	489,715	3,627,787	9.62E-02	2.58E-05	Offsite	Resident
R4304	489,740	3,627,787	8.80E-02	2.36E-05	Offsite	Resident
R4305	488,890	3,627,812	3.89E-03	1.26E-05	Offsite	Worker
R4306	488,915	3,627,812	4.56E-03	1.47E-05	Offsite	Worker
R4307	488,940	3,627,812	5.58E-03	1.80E-05	Offsite	Worker
R4308	488,965	3,627,812	7.17E-03	2.32E-05	Offsite	Worker
R4309	488,990	3,627,812	1.06E-01	2.84E-05	Offsite	Resident
R4310	489,015	3,627,812	1.21E-01	3.24E-05	Offsite	Resident
R4311	489,040	3,627,812	1.41E-01	3.78E-05	Offsite	Resident
R4312	489,065	3,627,812	1.32E-02	4.28E-05	Offsite	Worker
R4313	489,090	3,627,812	1.47E-02	4.75E-05	Offsite	Worker
R4314	489,115	3,627,812	1.66E-02	5.37E-05	Offsite	Worker
R4330	489,515	3,627,812	2.32E-01	6.22E-05	Offsite	Resident
R4331	489,540	3,627,812	2.01E-01	5.40E-05	Offsite	Resident
R4332	489,565	3,627,812	1.75E-01	4.70E-05	Offsite	Resident
R4333	489,590	3,627,812	1.52E-01	4.09E-05	Offsite	Resident
R4334	489,615	3,627,812	1.35E-01	3.62E-05	Offsite	Resident
R4335	489,640	3,627,812	1.20E-01	3.22E-05	Offsite	Resident
R4336	489,665	3,627,812	1.08E-01	2.89E-05	Offsite	Resident
R4337	489,690	3,627,812	9.76E-02	2.62E-05	Offsite	Resident
R4338	489,715	3,627,812	8.91E-02	2.40E-05	Offsite	Resident
R4339	489,740	3,627,812	8.20E-02	2.20E-05	Offsite	Resident
R4340	489,765	3,627,812	7.61E-02	2.04E-05	Offsite	Resident
R4341	488,915	3,627,837	4.07E-03	1.31E-05	Offsite	Worker
R4342	488,940	3,627,837	4.81E-03	1.55E-05	Offsite	Worker
R4343	488,965	3,627,837	6.27E-03	2.02E-05	Offsite	Worker
R4344	488,990	3,627,837	9.67E-02	2.60E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4345	489,015	3,627,837	1.15E-01	3.10E-05	Offsite	Resident
R4346	489,040	3,627,837	1.29E-01	3.47E-05	Offsite	Resident
R4347	489,065	3,627,837	1.47E-01	3.96E-05	Offsite	Resident
R4348	489,090	3,627,837	1.36E-02	4.38E-05	Offsite	Worker
R4349	489,115	3,627,837	1.53E-02	4.94E-05	Offsite	Worker
R4350	489,140	3,627,837	1.74E-02	5.63E-05	Offsite	Worker
R4367	489,565	3,627,837	1.69E-01	4.54E-05	Offsite	Resident
R4368	489,590	3,627,837	1.44E-01	3.87E-05	Offsite	Resident
R4369	489,615	3,627,837	1.28E-01	3.43E-05	Offsite	Resident
R4370	489,640	3,627,837	1.13E-01	3.02E-05	Offsite	Resident
R4371	489,665	3,627,837	1.01E-01	2.73E-05	Offsite	Resident
R4372	489,690	3,627,837	9.08E-02	2.44E-05	Offsite	Resident
R4373	489,715	3,627,837	8.27E-02	2.22E-05	Offsite	Resident
R4374	489,740	3,627,837	7.61E-02	2.05E-05	Offsite	Resident
R4375	489,765	3,627,837	7.02E-02	1.89E-05	Offsite	Resident
R4376	488,915	3,627,862	3.71E-03	1.20E-05	Offsite	Worker
R4377	488,940	3,627,862	4.47E-03	1.44E-05	Offsite	Worker
R4378	488,965	3,627,862	6.00E-03	1.94E-05	Offsite	Worker
R4379	488,990	3,627,862	9.14E-02	2.46E-05	Offsite	Resident
R4380	489,015	3,627,862	9.42E-02	2.53E-05	Offsite	Resident
R4381	489,040	3,627,862	1.09E-01	2.94E-05	Offsite	Resident
R4382	489,065	3,627,862	1.32E-01	3.54E-05	Offsite	Resident
R4383	489,090	3,627,862	1.25E-02	4.02E-05	Offsite	Worker
R4384	489,115	3,627,862	1.39E-02	4.50E-05	Offsite	Worker
R4385	489,140	3,627,862	1.58E-02	5.10E-05	Offsite	Worker
R4386	489,165	3,627,862	1.82E-02	5.88E-05	Offsite	Worker
R4405	489,640	3,627,862	1.11E-01	2.97E-05	Offsite	Resident
R4406	489,665	3,627,862	9.71E-02	2.61E-05	Offsite	Resident
R4407	489,690	3,627,862	8.75E-02	2.35E-05	Offsite	Resident
R4408	489,715	3,627,862	8.02E-02	2.16E-05	Offsite	Resident
R4409	489,740	3,627,862	7.22E-02	1.94E-05	Offsite	Resident
R4410	489,765	3,627,862	6.68E-02	1.79E-05	Offsite	Resident
R4411	488,915	3,627,887	3.58E-03	1.16E-05	Offsite	Worker
R4412	488,940	3,627,887	4.45E-03	1.44E-05	Offsite	Worker
R4413	488,965	3,627,887	5.69E-03	1.84E-05	Offsite	Worker
R4414	488,990	3,627,887	6.54E-02	1.76E-05	Offsite	Resident
R4415	489,015	3,627,887	7.05E-02	1.89E-05	Offsite	Resident
R4416	489,040	3,627,887	8.68E-02	2.33E-05	Offsite	Resident
R4417	489,065	3,627,887	1.09E-01	2.93E-05	Offsite	Resident
R4418	489,090	3,627,887	1.37E-01	3.69E-05	Offsite	Resident
R4419	489,115	3,627,887	1.26E-02	4.08E-05	Offsite	Worker
R4420	489,140	3,627,887	1.42E-02	4.58E-05	Offsite	Worker
R4421	489,165	3,627,887	1.62E-02	5.24E-05	Offsite	Worker
R4443	489,715	3,627,887	7.44E-02	2.00E-05	Offsite	Resident
R4444	489,740	3,627,887	6.80E-02	1.83E-05	Offsite	Resident
R4445	489,765	3,627,887	6.32E-02	1.70E-05	Offsite	Resident
R4446	488,940	3,627,912	4.39E-03	1.42E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4447	488,965	3,627,912	4.39E-03	1.42E-05	Offsite	Worker
R4448	488,990	3,627,912	4.93E-02	1.33E-05	Offsite	Resident
R4449	489,015	3,627,912	5.69E-02	1.53E-05	Offsite	Resident
R4450	489,040	3,627,912	6.91E-02	1.86E-05	Offsite	Resident
R4451	489,065	3,627,912	8.92E-02	2.40E-05	Offsite	Resident
R4452	489,090	3,627,912	1.18E-01	3.17E-05	Offsite	Resident
R4453	489,115	3,627,912	1.14E-02	3.68E-05	Offsite	Worker
R4454	489,140	3,627,912	1.27E-02	4.10E-05	Offsite	Worker
R4455	489,165	3,627,912	1.43E-02	4.63E-05	Offsite	Worker
R4456	489,190	3,627,912	1.65E-02	5.32E-05	Offsite	Worker
R4481	488,940	3,627,937	3.67E-03	1.18E-05	Offsite	Worker
R4482	488,965	3,627,937	3.49E-03	1.13E-05	Offsite	Worker
R4483	488,990	3,627,937	4.29E-02	1.15E-05	Offsite	Resident
R4484	489,015	3,627,937	4.78E-02	1.28E-05	Offsite	Resident
R4485	489,040	3,627,937	5.55E-02	1.49E-05	Offsite	Resident
R4486	489,065	3,627,937	7.15E-02	1.92E-05	Offsite	Resident
R4487	489,090	3,627,937	9.70E-02	2.61E-05	Offsite	Resident
R4488	489,115	3,627,937	1.02E-02	3.31E-05	Offsite	Worker
R4489	489,140	3,627,937	1.13E-02	3.65E-05	Offsite	Worker
R4490	489,165	3,627,937	1.26E-02	4.07E-05	Offsite	Worker
R4491	489,190	3,627,937	1.42E-02	4.60E-05	Offsite	Worker
R4492	489,215	3,627,937	1.65E-02	5.32E-05	Offsite	Worker
R4507	489,590	3,627,937	1.19E-01	3.20E-05	Offsite	Resident
R4508	489,615	3,627,937	1.03E-01	2.77E-05	Offsite	Resident
R4509	489,640	3,627,937	8.40E-02	2.26E-05	Offsite	Resident
R4510	489,665	3,627,937	7.50E-02	2.01E-05	Offsite	Resident
R4516	488,940	3,627,962	3.65E-02	9.80E-06	Offsite	Resident
R4517	488,965	3,627,962	3.09E-03	9.99E-06	Offsite	Worker
R4518	488,990	3,627,962	3.91E-02	1.05E-05	Offsite	Resident
R4519	489,015	3,627,962	4.22E-02	1.14E-05	Offsite	Resident
R4520	489,040	3,627,962	4.72E-02	1.27E-05	Offsite	Resident
R4521	489,065	3,627,962	5.75E-02	1.54E-05	Offsite	Resident
R4522	489,090	3,627,962	7.89E-02	2.12E-05	Offsite	Resident
R4523	489,115	3,627,962	1.10E-01	2.96E-05	Offsite	Resident
R4524	489,140	3,627,962	1.00E-02	3.24E-05	Offsite	Worker
R4525	489,165	3,627,962	1.11E-02	3.57E-05	Offsite	Worker
R4526	489,190	3,627,962	1.23E-02	3.98E-05	Offsite	Worker
R4527	489,215	3,627,962	1.39E-02	4.50E-05	Offsite	Worker
R4528	489,240	3,627,962	1.61E-02	5.19E-05	Offsite	Worker
R4529	489,265	3,627,962	1.90E-02	6.15E-05	Offsite	Worker
R4541	489,565	3,627,962	1.02E-01	2.75E-05	Offsite	Resident
R4542	489,590	3,627,962	8.37E-02	2.25E-05	Offsite	Resident
R4543	489,615	3,627,962	7.44E-02	2.00E-05	Offsite	Resident
R4544	489,640	3,627,962	6.60E-02	1.77E-05	Offsite	Resident
R4545	489,665	3,627,962	5.89E-02	1.58E-05	Offsite	Resident
R4546	489,690	3,627,962	5.44E-02	1.46E-05	Offsite	Resident
R4547	489,715	3,627,962	5.16E-02	1.39E-05	Offsite	Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4548	489,740	3,627,962	4.93E-02	1.33E-05	Offsite	Resident
R4549	489,765	3,627,962	4.78E-02	1.29E-05	Offsite	Resident
R4550	489,790	3,627,962	4.66E-02	1.25E-05	Offsite	Resident
R4551	488,940	3,627,987	3.31E-02	8.90E-06	Offsite	Resident
R4552	488,965	3,627,987	2.88E-03	9.32E-06	Offsite	Worker
R4553	488,990	3,627,987	3.65E-02	9.80E-06	Offsite	Resident
R4554	489,015	3,627,987	3.92E-02	1.05E-05	Offsite	Resident
R4555	489,040	3,627,987	4.37E-02	1.17E-05	Offsite	Resident
R4556	489,065	3,627,987	5.37E-02	1.44E-05	Offsite	Resident
R4557	489,090	3,627,987	7.39E-02	1.99E-05	Offsite	Resident
R4558	489,115	3,627,987	9.35E-02	2.51E-05	Offsite	Resident
R4559	489,140	3,627,987	8.88E-03	2.87E-05	Offsite	Worker
R4560	489,165	3,627,987	9.67E-03	3.13E-05	Offsite	Worker
R4561	489,190	3,627,987	1.06E-02	3.43E-05	Offsite	Worker
R4562	489,215	3,627,987	1.18E-02	3.80E-05	Offsite	Worker
R4563	489,240	3,627,987	1.32E-02	4.26E-05	Offsite	Worker
R4564	489,265	3,627,987	1.50E-02	4.85E-05	Offsite	Worker
R4565	489,290	3,627,987	1.75E-02	5.66E-05	Offsite	Worker
R4576	489,565	3,627,987	7.83E-02	2.11E-05	Offsite	Resident
R4577	489,590	3,627,987	6.50E-02	1.75E-05	Offsite	Resident
R4578	489,615	3,627,987	5.79E-02	1.56E-05	Offsite	Resident
R4579	489,640	3,627,987	5.25E-02	1.41E-05	Offsite	Resident
R4580	489,665	3,627,987	4.80E-02	1.29E-05	Offsite	Resident
R4581	489,690	3,627,987	4.45E-02	1.20E-05	Offsite	Resident
R4582	489,715	3,627,987	4.23E-02	1.14E-05	Offsite	Resident
R4583	489,740	3,627,987	4.03E-02	1.08E-05	Offsite	Resident
R4584	489,765	3,627,987	3.90E-02	1.05E-05	Offsite	Resident
R4585	489,790	3,627,987	3.78E-02	1.02E-05	Offsite	Resident
R4586	488,965	3,628,012	3.21E-02	8.63E-06	Offsite	Resident
R4587	488,990	3,628,012	3.40E-02	9.15E-06	Offsite	Resident
R4588	489,015	3,628,012	3.76E-02	1.01E-05	Offsite	Resident
R4589	489,040	3,628,012	4.57E-02	1.23E-05	Offsite	Resident
R4590	489,065	3,628,012	5.43E-02	1.46E-05	Offsite	Resident
R4591	489,090	3,628,012	6.08E-02	1.63E-05	Offsite	Resident
R4592	489,115	3,628,012	7.59E-02	2.04E-05	Offsite	Resident
R4593	489,140	3,628,012	7.91E-03	2.56E-05	Offsite	Worker
R4594	489,165	3,628,012	8.50E-03	2.75E-05	Offsite	Worker
R4595	489,190	3,628,012	9.19E-03	2.97E-05	Offsite	Worker
R4596	489,215	3,628,012	9.99E-03	3.23E-05	Offsite	Worker
R4597	489,240	3,628,012	1.09E-02	3.53E-05	Offsite	Worker
R4598	489,265	3,628,012	1.20E-02	3.89E-05	Offsite	Worker
R4599	489,290	3,628,012	1.33E-02	4.31E-05	Offsite	Worker
R4600	489,315	3,628,012	1.49E-02	4.83E-05	Offsite	Worker
R4610	489,565	3,628,012	6.19E-02	1.66E-05	Offsite	Resident
R4611	489,590	3,628,012	5.33E-02	1.43E-05	Offsite	Resident
R4612	489,615	3,628,012	4.80E-02	1.29E-05	Offsite	Resident
R4613	489,640	3,628,012	4.42E-02	1.19E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4614	489,665	3,628,012	4.12E-02	1.11E-05	Offsite	Resident
R4615	489,690	3,628,012	3.86E-02	1.04E-05	Offsite	Resident
R4616	489,715	3,628,012	3.65E-02	9.82E-06	Offsite	Resident
R4617	489,740	3,628,012	3.49E-02	9.38E-06	Offsite	Resident
R4618	489,765	3,628,012	3.35E-02	9.00E-06	Offsite	Resident
R4619	489,790	3,628,012	3.22E-02	8.66E-06	Offsite	Resident
R4620	488,965	3,628,037	3.03E-02	8.15E-06	Offsite	Resident
R4621	488,990	3,628,037	3.18E-02	8.54E-06	Offsite	Resident
R4622	489,015	3,628,037	3.56E-02	9.58E-06	Offsite	Resident
R4623	489,040	3,628,037	3.84E-02	1.03E-05	Offsite	Resident
R4624	489,065	3,628,037	4.02E-02	1.08E-05	Offsite	Resident
R4625	489,090	3,628,037	4.61E-02	1.24E-05	Offsite	Resident
R4626	489,115	3,628,037	6.42E-02	1.73E-05	Offsite	Resident
R4627	489,140	3,628,037	8.46E-02	2.27E-05	Offsite	Resident
R4628	489,165	3,628,037	7.51E-03	2.43E-05	Offsite	Worker
R4629	489,190	3,628,037	8.01E-03	2.59E-05	Offsite	Worker
R4630	489,215	3,628,037	8.57E-03	2.77E-05	Offsite	Worker
R4631	489,240	3,628,037	9.18E-03	2.97E-05	Offsite	Worker
R4632	489,265	3,628,037	9.87E-03	3.19E-05	Offsite	Worker
R4633	489,290	3,628,037	1.06E-02	3.42E-05	Offsite	Worker
R4634	489,315	3,628,037	1.13E-02	3.66E-05	Offsite	Worker
R4644	489,565	3,628,037	5.11E-02	1.37E-05	Offsite	Resident
R4645	489,590	3,628,037	4.55E-02	1.22E-05	Offsite	Resident
R4646	489,615	3,628,037	4.21E-02	1.13E-05	Offsite	Resident
R4647	489,640	3,628,037	3.98E-02	1.07E-05	Offsite	Resident
R4648	489,665	3,628,037	3.75E-02	1.01E-05	Offsite	Resident
R4649	489,690	3,628,037	3.56E-02	9.56E-06	Offsite	Resident
R4650	489,715	3,628,037	3.34E-02	8.97E-06	Offsite	Resident
R4651	489,740	3,628,037	3.18E-02	8.55E-06	Offsite	Resident
R4652	489,765	3,628,037	3.05E-02	8.19E-06	Offsite	Resident
R4653	488,965	3,628,062	2.87E-02	7.70E-06	Offsite	Resident
R4654	488,990	3,628,062	2.95E-02	7.92E-06	Offsite	Resident
R4655	489,015	3,628,062	3.18E-02	8.54E-06	Offsite	Resident
R4656	489,040	3,628,062	3.31E-02	8.90E-06	Offsite	Resident
R4657	489,065	3,628,062	3.50E-02	9.40E-06	Offsite	Resident
R4658	489,090	3,628,062	4.17E-02	1.12E-05	Offsite	Resident
R4659	489,115	3,628,062	5.77E-02	1.55E-05	Offsite	Resident
R4660	489,140	3,628,062	7.24E-02	1.95E-05	Offsite	Resident
R4661	489,165	3,628,062	6.69E-03	2.16E-05	Offsite	Worker
R4662	489,190	3,628,062	7.04E-03	2.28E-05	Offsite	Worker
R4663	489,215	3,628,062	7.43E-03	2.40E-05	Offsite	Worker
R4664	489,240	3,628,062	7.84E-03	2.53E-05	Offsite	Worker
R4665	489,265	3,628,062	8.26E-03	2.67E-05	Offsite	Worker
R4666	489,290	3,628,062	8.67E-03	2.80E-05	Offsite	Worker
R4667	489,315	3,628,062	9.05E-03	2.92E-05	Offsite	Worker
R4668	489,340	3,628,062	9.36E-03	3.03E-05	Offsite	Worker
R4677	489,565	3,628,062	4.37E-02	1.18E-05	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4678	489,590	3,628,062	4.06E-02	1.09E-05	Offsite	Resident
R4679	489,615	3,628,062	3.84E-02	1.03E-05	Offsite	Resident
R4680	489,640	3,628,062	3.61E-02	9.71E-06	Offsite	Resident
R4681	489,665	3,628,062	3.43E-02	9.22E-06	Offsite	Resident
R4682	489,690	3,628,062	3.27E-02	8.78E-06	Offsite	Resident
R4683	489,715	3,628,062	3.12E-02	8.39E-06	Offsite	Resident
R4684	489,740	3,628,062	2.99E-02	8.02E-06	Offsite	Resident
R4685	489,765	3,628,062	2.87E-02	7.71E-06	Offsite	Resident
R4686	488,990	3,628,087	2.76E-02	7.41E-06	Offsite	Resident
R4687	489,015	3,628,087	2.87E-02	7.71E-06	Offsite	Resident
R4688	489,040	3,628,087	3.01E-02	8.10E-06	Offsite	Resident
R4689	489,065	3,628,087	3.30E-02	8.86E-06	Offsite	Resident
R4690	489,090	3,628,087	4.05E-02	1.09E-05	Offsite	Resident
R4691	489,115	3,628,087	5.02E-02	1.35E-05	Offsite	Resident
R4692	489,140	3,628,087	6.30E-02	1.69E-05	Offsite	Resident
R4693	489,165	3,628,087	7.12E-02	1.91E-05	Offsite	Resident
R4694	489,190	3,628,087	6.25E-03	2.02E-05	Offsite	Worker
R4695	489,215	3,628,087	6.52E-03	2.11E-05	Offsite	Worker
R4696	489,240	3,628,087	6.79E-03	2.19E-05	Offsite	Worker
R4697	489,265	3,628,087	7.05E-03	2.28E-05	Offsite	Worker
R4698	489,290	3,628,087	7.29E-03	2.35E-05	Offsite	Worker
R4699	489,315	3,628,087	7.48E-03	2.42E-05	Offsite	Worker
R4700	489,340	3,628,087	7.60E-03	2.46E-05	Offsite	Worker
R4709	489,565	3,628,087	3.82E-02	1.03E-05	Offsite	Resident
R4710	489,590	3,628,087	3.66E-02	9.84E-06	Offsite	Resident
R4711	489,615	3,628,087	3.46E-02	9.29E-06	Offsite	Resident
R4712	489,640	3,628,087	3.32E-02	8.91E-06	Offsite	Resident
R4713	489,665	3,628,087	3.17E-02	8.53E-06	Offsite	Resident
R4714	489,690	3,628,087	3.04E-02	8.17E-06	Offsite	Resident
R4715	489,715	3,628,087	2.92E-02	7.84E-06	Offsite	Resident
R4716	489,740	3,628,087	2.80E-02	7.53E-06	Offsite	Resident
R4717	489,765	3,628,087	2.69E-02	7.23E-06	Offsite	Resident
R4718	488,990	3,628,112	2.58E-02	6.94E-06	Offsite	Resident
R4719	489,015	3,628,112	2.68E-02	7.19E-06	Offsite	Resident
R4720	489,040	3,628,112	2.79E-02	7.50E-06	Offsite	Resident
R4721	489,065	3,628,112	3.01E-02	8.10E-06	Offsite	Resident
R4722	489,090	3,628,112	3.40E-02	9.14E-06	Offsite	Resident
R4723	489,115	3,628,112	4.26E-02	1.14E-05	Offsite	Resident
R4724	489,140	3,628,112	5.52E-02	1.48E-05	Offsite	Resident
R4725	489,165	3,628,112	6.41E-02	1.72E-05	Offsite	Resident
R4726	489,190	3,628,112	5.59E-03	1.81E-05	Offsite	Worker
R4727	489,215	3,628,112	5.77E-03	1.87E-05	Offsite	Worker
R4728	489,240	3,628,112	5.95E-03	1.92E-05	Offsite	Worker
R4729	489,265	3,628,112	6.12E-03	1.98E-05	Offsite	Worker
R4730	489,290	3,628,112	6.25E-03	2.02E-05	Offsite	Worker
R4731	489,315	3,628,112	6.34E-03	2.05E-05	Offsite	Worker
R4732	489,340	3,628,112	6.39E-03	2.06E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4733	489,365	3,628,112	6.40E-03	2.07E-05	Offsite	Worker
R4741	489,565	3,628,112	3.36E-02	9.03E-06	Offsite	Resident
R4742	489,590	3,628,112	3.28E-02	8.82E-06	Offsite	Resident
R4743	489,615	3,628,112	3.14E-02	8.44E-06	Offsite	Resident
R4744	489,640	3,628,112	3.04E-02	8.17E-06	Offsite	Resident
R4745	489,665	3,628,112	2.93E-02	7.87E-06	Offsite	Resident
R4746	489,690	3,628,112	2.83E-02	7.59E-06	Offsite	Resident
R4747	489,715	3,628,112	2.72E-02	7.32E-06	Offsite	Resident
R4748	489,740	3,628,112	2.63E-02	7.05E-06	Offsite	Resident
R4749	488,990	3,628,137	2.42E-02	6.51E-06	Offsite	Resident
R4750	489,015	3,628,137	2.51E-02	6.74E-06	Offsite	Resident
R4751	489,040	3,628,137	2.60E-02	6.98E-06	Offsite	Resident
R4752	489,065	3,628,137	2.70E-02	7.26E-06	Offsite	Resident
R4753	489,090	3,628,137	2.95E-02	7.93E-06	Offsite	Resident
R4754	489,115	3,628,137	3.45E-02	9.27E-06	Offsite	Resident
R4755	489,140	3,628,137	4.58E-02	1.23E-05	Offsite	Resident
R4756	489,165	3,628,137	5.64E-02	1.52E-05	Offsite	Resident
R4757	489,190	3,628,137	6.05E-02	1.63E-05	Offsite	Resident
R4758	489,215	3,628,137	5.16E-03	1.67E-05	Offsite	Worker
R4759	489,240	3,628,137	5.28E-03	1.71E-05	Offsite	Worker
R4760	489,265	3,628,137	5.38E-03	1.74E-05	Offsite	Worker
R4761	489,290	3,628,137	5.45E-03	1.76E-05	Offsite	Worker
R4762	489,315	3,628,137	5.49E-03	1.78E-05	Offsite	Worker
R4763	489,340	3,628,137	5.50E-03	1.78E-05	Offsite	Worker
R4764	489,365	3,628,137	5.48E-03	1.77E-05	Offsite	Worker
R4772	489,565	3,628,137	2.98E-02	8.01E-06	Offsite	Resident
R4773	489,590	3,628,137	2.91E-02	7.82E-06	Offsite	Resident
R4774	489,615	3,628,137	2.85E-02	7.67E-06	Offsite	Resident
R4775	489,640	3,628,137	2.78E-02	7.47E-06	Offsite	Resident
R4776	489,665	3,628,137	2.70E-02	7.25E-06	Offsite	Resident
R4777	489,690	3,628,137	2.62E-02	7.04E-06	Offsite	Resident
R4778	489,715	3,628,137	2.54E-02	6.81E-06	Offsite	Resident
R4779	489,740	3,628,137	2.46E-02	6.60E-06	Offsite	Resident
R4780	489,015	3,628,162	2.37E-02	6.36E-06	Offsite	Resident
R4781	489,040	3,628,162	2.44E-02	6.56E-06	Offsite	Resident
R4782	489,065	3,628,162	2.52E-02	6.76E-06	Offsite	Resident
R4783	489,090	3,628,162	2.65E-02	7.11E-06	Offsite	Resident
R4784	489,115	3,628,162	3.02E-02	8.11E-06	Offsite	Resident
R4785	489,140	3,628,162	3.87E-02	1.04E-05	Offsite	Resident
R4786	489,165	3,628,162	4.96E-02	1.33E-05	Offsite	Resident
R4787	489,190	3,628,162	5.48E-02	1.47E-05	Offsite	Resident
R4788	489,215	3,628,162	4.65E-03	1.50E-05	Offsite	Worker
R4789	489,240	3,628,162	4.73E-03	1.53E-05	Offsite	Worker
R4790	489,265	3,628,162	4.78E-03	1.55E-05	Offsite	Worker
R4791	489,290	3,628,162	4.82E-03	1.56E-05	Offsite	Worker
R4792	489,315	3,628,162	4.83E-03	1.56E-05	Offsite	Worker
R4793	489,340	3,628,162	4.82E-03	1.56E-05	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4794	489,365	3,628,162	4.79E-03	1.55E-05	Offsite	Worker
R4795	489,390	3,628,162	4.75E-03	1.53E-05	Offsite	Worker
R4802	489,565	3,628,162	2.67E-02	7.18E-06	Offsite	Resident
R4803	489,590	3,628,162	2.59E-02	6.96E-06	Offsite	Resident
R4804	489,615	3,628,162	2.56E-02	6.87E-06	Offsite	Resident
R4805	489,640	3,628,162	2.52E-02	6.78E-06	Offsite	Resident
R4806	489,665	3,628,162	2.47E-02	6.64E-06	Offsite	Resident
R4807	489,690	3,628,162	2.42E-02	6.51E-06	Offsite	Resident
R4808	489,715	3,628,162	2.36E-02	6.34E-06	Offsite	Resident
R4809	489,040	3,628,187	2.31E-02	6.22E-06	Offsite	Resident
R4810	489,065	3,628,187	2.41E-02	6.48E-06	Offsite	Resident
R4811	489,090	3,628,187	2.58E-02	6.93E-06	Offsite	Resident
R4812	489,115	3,628,187	2.82E-02	7.59E-06	Offsite	Resident
R4813	489,140	3,628,187	3.39E-02	9.12E-06	Offsite	Resident
R4814	489,165	3,628,187	4.35E-02	1.17E-05	Offsite	Resident
R4815	489,190	3,628,187	4.88E-02	1.31E-05	Offsite	Resident
R4816	489,215	3,628,187	5.07E-02	1.36E-05	Offsite	Resident
R4817	489,240	3,628,187	4.27E-03	1.38E-05	Offsite	Worker
R4818	489,265	3,628,187	4.30E-03	1.39E-05	Offsite	Worker
R4819	489,290	3,628,187	4.31E-03	1.39E-05	Offsite	Worker
R4820	489,315	3,628,187	4.31E-03	1.39E-05	Offsite	Worker
R4821	489,340	3,628,187	4.29E-03	1.39E-05	Offsite	Worker
R4822	489,365	3,628,187	4.25E-03	1.37E-05	Offsite	Worker
R4823	489,390	3,628,187	4.21E-03	1.36E-05	Offsite	Worker
R4831	489,590	3,628,187	2.36E-02	6.34E-06	Offsite	Resident
R4832	489,615	3,628,187	2.33E-02	6.26E-06	Offsite	Resident
R4833	489,640	3,628,187	2.31E-02	6.21E-06	Offsite	Resident
R4834	489,665	3,628,187	2.26E-02	6.07E-06	Offsite	Resident
R4835	489,690	3,628,187	2.21E-02	5.93E-06	Offsite	Resident
R4836	489,715	3,628,187	2.16E-02	5.81E-06	Offsite	Resident
R4837	489,040	3,628,212	2.27E-02	6.11E-06	Offsite	Resident
R4838	489,065	3,628,212	2.42E-02	6.50E-06	Offsite	Resident
R4839	489,090	3,628,212	2.68E-02	7.19E-06	Offsite	Resident
R4840	489,115	3,628,212	3.17E-02	8.52E-06	Offsite	Resident
R4841	489,140	3,628,212	3.64E-02	9.79E-06	Offsite	Resident
R4842	489,165	3,628,212	4.17E-02	1.12E-05	Offsite	Resident
R4843	489,190	3,628,212	4.46E-02	1.20E-05	Offsite	Resident
R4844	489,215	3,628,212	4.63E-02	1.24E-05	Offsite	Resident
R4845	489,240	3,628,212	3.88E-03	1.25E-05	Offsite	Worker
R4846	489,265	3,628,212	3.90E-03	1.26E-05	Offsite	Worker
R4847	489,290	3,628,212	3.90E-03	1.26E-05	Offsite	Worker
R4848	489,315	3,628,212	3.88E-03	1.26E-05	Offsite	Worker
R4849	489,340	3,628,212	3.86E-03	1.25E-05	Offsite	Worker
R4850	489,365	3,628,212	3.82E-03	1.24E-05	Offsite	Worker
R4851	489,390	3,628,212	3.78E-03	1.22E-05	Offsite	Worker
R4859	489,590	3,628,212	2.17E-02	5.84E-06	Offsite	Resident
R4860	489,615	3,628,212	2.14E-02	5.75E-06	Offsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4861	489,640	3,628,212	2.12E-02	5.70E-06	Offsite	Resident
R4862	489,665	3,628,212	2.09E-02	5.62E-06	Offsite	Resident
R4863	489,690	3,628,212	2.06E-02	5.52E-06	Offsite	Resident
R4864	489,065	3,628,237	2.64E-02	7.09E-06	Offsite	Resident
R4865	489,090	3,628,237	3.03E-02	8.14E-06	Offsite	Resident
R4866	489,115	3,628,237	3.44E-02	9.24E-06	Offsite	Resident
R4867	489,140	3,628,237	3.60E-02	9.69E-06	Offsite	Resident
R4868	489,165	3,628,237	3.73E-02	1.00E-05	Offsite	Resident
R4869	489,190	3,628,237	3.84E-02	1.03E-05	Offsite	Resident
R4870	489,215	3,628,237	4.05E-02	1.09E-05	Offsite	Resident
R4871	489,240	3,628,237	4.27E-02	1.15E-05	Offsite	Resident
R4872	489,265	3,628,237	3.56E-03	1.15E-05	Offsite	Worker
R4873	489,290	3,628,237	3.55E-03	1.15E-05	Offsite	Worker
R4874	489,315	3,628,237	3.53E-03	1.14E-05	Offsite	Worker
R4875	489,340	3,628,237	3.50E-03	1.13E-05	Offsite	Worker
R4876	489,365	3,628,237	3.47E-03	1.12E-05	Offsite	Worker
R4877	489,390	3,628,237	3.43E-03	1.11E-05	Offsite	Worker
R4878	489,415	3,628,237	3.39E-03	1.10E-05	Offsite	Worker
R4885	489,590	3,628,237	2.00E-02	5.38E-06	Offsite	Resident
R4886	489,615	3,628,237	1.97E-02	5.30E-06	Offsite	Resident
R4887	489,640	3,628,237	1.96E-02	5.27E-06	Offsite	Resident
R4888	489,665	3,628,237	1.93E-02	5.18E-06	Offsite	Resident
R4889	489,090	3,628,262	2.79E-02	7.50E-06	Offsite	Resident
R4890	489,115	3,628,262	2.83E-02	7.61E-06	Offsite	Resident
R4891	489,140	3,628,262	2.78E-02	7.48E-06	Offsite	Resident
R4892	489,165	3,628,262	2.74E-02	7.35E-06	Offsite	Resident
R4893	489,190	3,628,262	2.79E-02	7.49E-06	Offsite	Resident
R4894	489,215	3,628,262	3.21E-02	8.62E-06	Offsite	Resident
R4895	489,240	3,628,262	3.75E-02	1.01E-05	Offsite	Resident
R4896	489,265	3,628,262	3.93E-02	1.06E-05	Offsite	Resident
R4897	489,290	3,628,262	3.25E-03	1.05E-05	Offsite	Worker
R4898	489,315	3,628,262	3.23E-03	1.05E-05	Offsite	Worker
R4899	489,340	3,628,262	3.21E-03	1.04E-05	Offsite	Worker
R4900	489,365	3,628,262	3.17E-03	1.03E-05	Offsite	Worker
R4901	489,390	3,628,262	3.14E-03	1.01E-05	Offsite	Worker
R4902	489,415	3,628,262	3.10E-03	1.00E-05	Offsite	Worker
R4909	489,590	3,628,262	1.87E-02	5.04E-06	Offsite	Resident
R4910	489,615	3,628,262	1.84E-02	4.94E-06	Offsite	Resident
R4911	489,640	3,628,262	1.82E-02	4.88E-06	Offsite	Resident
R4912	489,115	3,628,287	2.23E-02	6.00E-06	Offsite	Resident
R4913	489,140	3,628,287	2.16E-02	5.80E-06	Offsite	Resident
R4914	489,165	3,628,287	2.10E-02	5.65E-06	Offsite	Resident
R4915	489,190	3,628,287	2.22E-02	5.97E-06	Offsite	Resident
R4916	489,215	3,628,287	2.66E-02	7.14E-06	Offsite	Resident
R4917	489,240	3,628,287	3.26E-02	8.75E-06	Offsite	Resident
R4918	489,265	3,628,287	3.56E-02	9.58E-06	Offsite	Resident
R4919	489,290	3,628,287	3.00E-03	9.70E-06	Offsite	Worker

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4920	489,315	3,628,287	2.98E-03	9.63E-06	Offsite	Worker
R4921	489,340	3,628,287	2.95E-03	9.55E-06	Offsite	Worker
R4922	489,365	3,628,287	2.92E-03	9.45E-06	Offsite	Worker
R4923	489,390	3,628,287	2.89E-03	9.34E-06	Offsite	Worker
R4924	489,415	3,628,287	2.86E-03	9.23E-06	Offsite	Worker
R4931	489,590	3,628,287	1.77E-02	4.76E-06	Offsite	Resident
R4932	489,615	3,628,287	1.71E-02	4.60E-06	Offsite	Resident
R4933	489,165	3,628,312	1.84E-02	4.95E-06	Offsite	Resident
R4934	489,190	3,628,312	2.01E-02	5.39E-06	Offsite	Resident
R4935	489,215	3,628,312	2.37E-02	6.36E-06	Offsite	Resident
R4936	489,240	3,628,312	2.89E-02	7.76E-06	Offsite	Resident
R4937	489,265	3,628,312	3.25E-02	8.73E-06	Offsite	Resident
R4938	489,290	3,628,312	3.35E-02	8.99E-06	Offsite	Resident
R4939	489,315	3,628,312	2.76E-03	8.92E-06	Offsite	Worker
R4940	489,340	3,628,312	2.74E-03	8.84E-06	Offsite	Worker
R4941	489,365	3,628,312	2.71E-03	8.75E-06	Offsite	Worker
R4942	489,390	3,628,312	2.68E-03	8.65E-06	Offsite	Worker
R4943	489,415	3,628,312	2.65E-03	8.55E-06	Offsite	Worker
R4944	489,440	3,628,312	2.61E-03	8.44E-06	Offsite	Worker
R4950	489,190	3,628,337	2.07E-02	5.56E-06	Offsite	Resident
R4951	489,215	3,628,337	2.41E-02	6.49E-06	Offsite	Resident
R4952	489,240	3,628,337	2.69E-02	7.23E-06	Offsite	Resident
R4953	489,265	3,628,337	3.00E-02	8.06E-06	Offsite	Resident
R4954	489,290	3,628,337	3.12E-02	8.38E-06	Offsite	Resident
R4955	489,315	3,628,337	3.09E-02	8.31E-06	Offsite	Resident
R4956	489,340	3,628,337	2.55E-03	8.23E-06	Offsite	Worker
R4957	489,365	3,628,337	2.52E-03	8.15E-06	Offsite	Worker
R4958	489,390	3,628,337	2.49E-03	8.06E-06	Offsite	Worker
R4959	489,415	3,628,337	2.46E-03	7.96E-06	Offsite	Worker
R4960	489,440	3,628,337	2.44E-03	7.87E-06	Offsite	Worker
R4964	489,265	3,628,362	2.29E-03	7.39E-06	Offsite	Worker
R4965	489,290	3,628,362	2.42E-03	7.83E-06	Offsite	Worker
R4966	489,315	3,628,362	2.40E-03	7.76E-06	Offsite	Worker
R4967	489,340	3,628,362	2.38E-03	7.69E-06	Offsite	Worker
R4968	489,365	3,628,362	2.36E-03	7.62E-06	Offsite	Worker
R4969	489,390	3,628,362	2.33E-03	7.53E-06	Offsite	Worker
R4970	489,415	3,628,362	2.30E-03	7.45E-06	Offsite	Worker
R4971	489,440	3,628,362	2.28E-03	7.36E-06	Offsite	Worker
R4972	488,840	3,627,612	9.05E-03	2.93E-05	Onsite	Non-Resident
R4973	488,415	3,627,587	3.91E-03	1.26E-05	Onsite	Non-Resident
R4974	488,440	3,627,587	4.08E-03	1.32E-05	Onsite	Non-Resident
R4975	488,465	3,627,587	4.28E-03	1.38E-05	Onsite	Non-Resident
R4976	488,490	3,627,587	4.48E-03	1.45E-05	Onsite	Non-Resident
R4977	488,515	3,627,587	4.67E-03	1.51E-05	Onsite	Non-Resident
R4978	488,540	3,627,587	4.88E-03	1.58E-05	Onsite	Non-Resident
R4979	488,565	3,627,587	5.10E-03	1.65E-05	Onsite	Non-Resident
R4980	488,590	3,627,587	5.34E-03	1.73E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R4981	488,615	3,627,587	5.60E-03	1.81E-05	Onsite	Non-Resident
R4982	488,640	3,627,587	5.88E-03	1.90E-05	Onsite	Non-Resident
R4983	488,665	3,627,587	6.19E-03	2.00E-05	Onsite	Non-Resident
R4984	488,690	3,627,587	6.52E-03	2.11E-05	Onsite	Non-Resident
R4985	488,715	3,627,587	6.89E-03	2.23E-05	Onsite	Non-Resident
R4986	488,815	3,627,587	8.72E-03	2.82E-05	Onsite	Non-Resident
R4987	488,840	3,627,587	9.32E-03	3.01E-05	Onsite	Non-Resident
R4988	488,340	3,627,562	3.59E-03	1.16E-05	Onsite	Non-Resident
R4989	488,365	3,627,562	3.72E-03	1.20E-05	Onsite	Non-Resident
R4990	488,390	3,627,562	3.87E-03	1.25E-05	Onsite	Non-Resident
R4991	488,415	3,627,562	4.04E-03	1.30E-05	Onsite	Non-Resident
R4992	488,440	3,627,562	4.23E-03	1.37E-05	Onsite	Non-Resident
R4993	488,465	3,627,562	4.42E-03	1.43E-05	Onsite	Non-Resident
R4994	488,490	3,627,562	4.61E-03	1.49E-05	Onsite	Non-Resident
R4995	488,515	3,627,562	4.81E-03	1.55E-05	Onsite	Non-Resident
R4996	488,540	3,627,562	5.02E-03	1.62E-05	Onsite	Non-Resident
R4997	488,565	3,627,562	5.25E-03	1.70E-05	Onsite	Non-Resident
R4998	488,590	3,627,562	5.50E-03	1.78E-05	Onsite	Non-Resident
R4999	488,615	3,627,562	5.77E-03	1.86E-05	Onsite	Non-Resident
R5000	488,640	3,627,562	6.05E-03	1.96E-05	Onsite	Non-Resident
R5001	488,665	3,627,562	6.36E-03	2.06E-05	Onsite	Non-Resident
R5002	488,690	3,627,562	6.70E-03	2.16E-05	Onsite	Non-Resident
R5003	488,715	3,627,562	7.07E-03	2.28E-05	Onsite	Non-Resident
R5004	488,740	3,627,562	7.49E-03	2.42E-05	Onsite	Non-Resident
R5005	488,790	3,627,562	8.42E-03	2.72E-05	Onsite	Non-Resident
R5006	488,815	3,627,562	8.96E-03	2.90E-05	Onsite	Non-Resident
R5007	488,840	3,627,562	9.57E-03	3.09E-05	Onsite	Non-Resident
R5008	488,290	3,627,537	3.42E-03	1.11E-05	Onsite	Non-Resident
R5009	488,315	3,627,537	3.55E-03	1.15E-05	Onsite	Non-Resident
R5010	488,340	3,627,537	3.68E-03	1.19E-05	Onsite	Non-Resident
R5011	488,365	3,627,537	3.83E-03	1.24E-05	Onsite	Non-Resident
R5012	488,390	3,627,537	4.02E-03	1.30E-05	Onsite	Non-Resident
R5013	488,415	3,627,537	4.19E-03	1.36E-05	Onsite	Non-Resident
R5014	488,440	3,627,537	4.36E-03	1.41E-05	Onsite	Non-Resident
R5015	488,465	3,627,537	4.54E-03	1.47E-05	Onsite	Non-Resident
R5016	488,490	3,627,537	4.73E-03	1.53E-05	Onsite	Non-Resident
R5017	488,515	3,627,537	4.94E-03	1.60E-05	Onsite	Non-Resident
R5018	488,540	3,627,537	5.15E-03	1.67E-05	Onsite	Non-Resident
R5019	488,565	3,627,537	5.39E-03	1.74E-05	Onsite	Non-Resident
R5020	488,590	3,627,537	5.65E-03	1.82E-05	Onsite	Non-Resident
R5021	488,615	3,627,537	5.92E-03	1.91E-05	Onsite	Non-Resident
R5022	488,640	3,627,537	6.21E-03	2.01E-05	Onsite	Non-Resident
R5023	488,665	3,627,537	6.52E-03	2.11E-05	Onsite	Non-Resident
R5024	488,690	3,627,537	6.87E-03	2.22E-05	Onsite	Non-Resident
R5025	488,715	3,627,537	7.25E-03	2.34E-05	Onsite	Non-Resident
R5026	488,740	3,627,537	7.68E-03	2.48E-05	Onsite	Non-Resident
R5027	488,765	3,627,537	8.14E-03	2.63E-05	Onsite	Non-Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5028	488,790	3,627,537	8.64E-03	2.79E-05	Onsite	Non-Resident
R5029	488,815	3,627,537	9.19E-03	2.97E-05	Onsite	Non-Resident
R5030	488,840	3,627,537	9.81E-03	3.17E-05	Onsite	Non-Resident
R5031	488,290	3,627,512	3.51E-03	1.14E-05	Onsite	Non-Resident
R5032	488,315	3,627,512	3.65E-03	1.18E-05	Onsite	Non-Resident
R5033	488,340	3,627,512	3.79E-03	1.22E-05	Onsite	Non-Resident
R5034	488,365	3,627,512	3.97E-03	1.28E-05	Onsite	Non-Resident
R5035	488,390	3,627,512	4.14E-03	1.34E-05	Onsite	Non-Resident
R5036	488,415	3,627,512	4.30E-03	1.39E-05	Onsite	Non-Resident
R5037	488,440	3,627,512	4.47E-03	1.45E-05	Onsite	Non-Resident
R5038	488,465	3,627,512	4.66E-03	1.50E-05	Onsite	Non-Resident
R5039	488,490	3,627,512	4.85E-03	1.57E-05	Onsite	Non-Resident
R5040	488,515	3,627,512	5.06E-03	1.64E-05	Onsite	Non-Resident
R5041	488,540	3,627,512	5.29E-03	1.71E-05	Onsite	Non-Resident
R5042	488,565	3,627,512	5.53E-03	1.79E-05	Onsite	Non-Resident
R5043	488,590	3,627,512	5.79E-03	1.87E-05	Onsite	Non-Resident
R5044	488,615	3,627,512	6.06E-03	1.96E-05	Onsite	Non-Resident
R5045	488,640	3,627,512	6.36E-03	2.06E-05	Onsite	Non-Resident
R5046	488,665	3,627,512	6.68E-03	2.16E-05	Onsite	Non-Resident
R5047	488,690	3,627,512	7.04E-03	2.28E-05	Onsite	Non-Resident
R5048	488,715	3,627,512	7.44E-03	2.40E-05	Onsite	Non-Resident
R5049	488,740	3,627,512	7.87E-03	2.54E-05	Onsite	Non-Resident
R5050	488,765	3,627,512	8.34E-03	2.70E-05	Onsite	Non-Resident
R5051	488,790	3,627,512	8.85E-03	2.86E-05	Onsite	Non-Resident
R5052	488,815	3,627,512	9.42E-03	3.04E-05	Onsite	Non-Resident
R5053	488,840	3,627,512	1.00E-02	3.25E-05	Onsite	Non-Resident
R5054	488,865	3,627,512	1.29E-01	3.47E-05	Onsite	Resident
R5055	488,290	3,627,487	3.61E-03	1.17E-05	Onsite	Non-Resident
R5056	488,315	3,627,487	3.77E-03	1.22E-05	Onsite	Non-Resident
R5057	488,340	3,627,487	3.93E-03	1.27E-05	Onsite	Non-Resident
R5058	488,365	3,627,487	4.09E-03	1.32E-05	Onsite	Non-Resident
R5059	488,390	3,627,487	4.24E-03	1.37E-05	Onsite	Non-Resident
R5060	488,415	3,627,487	4.41E-03	1.42E-05	Onsite	Non-Resident
R5061	488,440	3,627,487	4.58E-03	1.48E-05	Onsite	Non-Resident
R5062	488,465	3,627,487	4.77E-03	1.54E-05	Onsite	Non-Resident
R5063	488,490	3,627,487	4.97E-03	1.61E-05	Onsite	Non-Resident
R5064	488,515	3,627,487	5.19E-03	1.68E-05	Onsite	Non-Resident
R5065	488,540	3,627,487	5.41E-03	1.75E-05	Onsite	Non-Resident
R5066	488,565	3,627,487	5.66E-03	1.83E-05	Onsite	Non-Resident
R5067	488,590	3,627,487	5.92E-03	1.91E-05	Onsite	Non-Resident
R5068	488,615	3,627,487	6.20E-03	2.00E-05	Onsite	Non-Resident
R5069	488,640	3,627,487	6.50E-03	2.10E-05	Onsite	Non-Resident
R5070	488,665	3,627,487	6.85E-03	2.21E-05	Onsite	Non-Resident
R5071	488,690	3,627,487	7.22E-03	2.33E-05	Onsite	Non-Resident
R5072	488,715	3,627,487	7.62E-03	2.46E-05	Onsite	Non-Resident
R5073	488,740	3,627,487	8.06E-03	2.60E-05	Onsite	Non-Resident
R5074	488,765	3,627,487	8.53E-03	2.76E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5075	488,790	3,627,487	1.09E-01	2.93E-05	Onsite	Resident
R5076	488,815	3,627,487	1.16E-01	3.11E-05	Onsite	Resident
R5077	488,840	3,627,487	1.23E-01	3.32E-05	Onsite	Resident
R5078	488,865	3,627,487	1.32E-01	3.54E-05	Onsite	Resident
R5079	488,315	3,627,462	3.89E-03	1.26E-05	Onsite	Non-Resident
R5080	488,340	3,627,462	4.03E-03	1.30E-05	Onsite	Non-Resident
R5081	488,365	3,627,462	4.18E-03	1.35E-05	Onsite	Non-Resident
R5082	488,390	3,627,462	4.34E-03	1.40E-05	Onsite	Non-Resident
R5083	488,415	3,627,462	4.51E-03	1.46E-05	Onsite	Non-Resident
R5084	488,440	3,627,462	4.69E-03	1.52E-05	Onsite	Non-Resident
R5085	488,465	3,627,462	4.88E-03	1.58E-05	Onsite	Non-Resident
R5086	488,490	3,627,462	5.09E-03	1.64E-05	Onsite	Non-Resident
R5087	488,515	3,627,462	5.30E-03	1.71E-05	Onsite	Non-Resident
R5088	488,540	3,627,462	5.54E-03	1.79E-05	Onsite	Non-Resident
R5089	488,565	3,627,462	5.78E-03	1.87E-05	Onsite	Non-Resident
R5090	488,590	3,627,462	6.05E-03	1.95E-05	Onsite	Non-Resident
R5091	488,615	3,627,462	6.33E-03	2.05E-05	Onsite	Non-Resident
R5092	488,640	3,627,462	6.65E-03	2.15E-05	Onsite	Non-Resident
R5093	488,665	3,627,462	7.00E-03	2.26E-05	Onsite	Non-Resident
R5094	488,690	3,627,462	7.38E-03	2.38E-05	Onsite	Non-Resident
R5095	488,715	3,627,462	7.79E-03	2.52E-05	Onsite	Non-Resident
R5096	488,740	3,627,462	8.23E-03	2.66E-05	Onsite	Non-Resident
R5097	488,765	3,627,462	8.71E-03	2.82E-05	Onsite	Non-Resident
R5098	488,790	3,627,462	1.11E-01	2.99E-05	Onsite	Resident
R5099	488,815	3,627,462	1.18E-01	3.17E-05	Onsite	Resident
R5100	488,840	3,627,462	1.05E-02	3.38E-05	Onsite	Non-Resident
R5101	488,865	3,627,462	1.12E-02	3.61E-05	Onsite	Non-Resident
R5102	488,315	3,627,437	3.98E-03	1.29E-05	Onsite	Non-Resident
R5103	488,340	3,627,437	4.12E-03	1.33E-05	Onsite	Non-Resident
R5104	488,365	3,627,437	4.28E-03	1.38E-05	Onsite	Non-Resident
R5105	488,390	3,627,437	4.44E-03	1.43E-05	Onsite	Non-Resident
R5106	488,415	3,627,437	4.61E-03	1.49E-05	Onsite	Non-Resident
R5107	488,440	3,627,437	4.80E-03	1.55E-05	Onsite	Non-Resident
R5108	488,465	3,627,437	4.99E-03	1.61E-05	Onsite	Non-Resident
R5109	488,490	3,627,437	5.20E-03	1.68E-05	Onsite	Non-Resident
R5110	488,515	3,627,437	5.42E-03	1.75E-05	Onsite	Non-Resident
R5111	488,540	3,627,437	5.65E-03	1.83E-05	Onsite	Non-Resident
R5112	488,565	3,627,437	5.90E-03	1.91E-05	Onsite	Non-Resident
R5113	488,590	3,627,437	6.17E-03	1.99E-05	Onsite	Non-Resident
R5114	488,615	3,627,437	6.47E-03	2.09E-05	Onsite	Non-Resident
R5115	488,640	3,627,437	6.80E-03	2.20E-05	Onsite	Non-Resident
R5116	488,665	3,627,437	7.15E-03	2.31E-05	Onsite	Non-Resident
R5117	488,690	3,627,437	7.53E-03	2.43E-05	Onsite	Non-Resident
R5118	488,715	3,627,437	7.94E-03	2.57E-05	Onsite	Non-Resident
R5119	488,740	3,627,437	8.39E-03	2.71E-05	Onsite	Non-Resident
R5120	488,765	3,627,437	8.87E-03	2.87E-05	Onsite	Non-Resident
R5121	488,790	3,627,437	1.13E-01	3.04E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
SDSU Mission Valley Campus Master Plan Project  
San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5122	488,815	3,627,437	1.20E-01	3.23E-05	Onsite	Resident
R5123	488,840	3,627,437	1.06E-02	3.44E-05	Onsite	Non-Resident
R5124	488,865	3,627,437	1.13E-02	3.67E-05	Onsite	Non-Resident
R5125	488,315	3,627,412	4.07E-03	1.31E-05	Onsite	Non-Resident
R5126	488,340	3,627,412	4.21E-03	1.36E-05	Onsite	Non-Resident
R5127	488,365	3,627,412	4.37E-03	1.41E-05	Onsite	Non-Resident
R5128	488,390	3,627,412	4.54E-03	1.47E-05	Onsite	Non-Resident
R5129	488,415	3,627,412	4.71E-03	1.52E-05	Onsite	Non-Resident
R5130	488,440	3,627,412	4.90E-03	1.58E-05	Onsite	Non-Resident
R5131	488,465	3,627,412	5.09E-03	1.65E-05	Onsite	Non-Resident
R5132	488,490	3,627,412	5.30E-03	1.71E-05	Onsite	Non-Resident
R5133	488,515	3,627,412	5.52E-03	1.78E-05	Onsite	Non-Resident
R5134	488,540	3,627,412	5.76E-03	1.86E-05	Onsite	Non-Resident
R5135	488,565	3,627,412	6.01E-03	1.94E-05	Onsite	Non-Resident
R5136	488,590	3,627,412	6.30E-03	2.04E-05	Onsite	Non-Resident
R5137	488,615	3,627,412	6.60E-03	2.13E-05	Onsite	Non-Resident
R5138	488,640	3,627,412	6.94E-03	2.24E-05	Onsite	Non-Resident
R5139	488,665	3,627,412	7.29E-03	2.36E-05	Onsite	Non-Resident
R5140	488,690	3,627,412	7.67E-03	2.48E-05	Onsite	Non-Resident
R5141	488,715	3,627,412	8.08E-03	2.61E-05	Onsite	Non-Resident
R5142	488,740	3,627,412	8.53E-03	2.76E-05	Onsite	Non-Resident
R5143	488,765	3,627,412	9.02E-03	2.91E-05	Onsite	Non-Resident
R5144	488,790	3,627,412	1.15E-01	3.09E-05	Onsite	Resident
R5145	488,815	3,627,412	1.22E-01	3.28E-05	Onsite	Resident
R5146	488,840	3,627,412	1.08E-02	3.48E-05	Onsite	Non-Resident
R5147	488,865	3,627,412	1.15E-02	3.71E-05	Onsite	Non-Resident
R5148	488,315	3,627,387	4.15E-03	1.34E-05	Onsite	Non-Resident
R5149	488,340	3,627,387	4.30E-03	1.39E-05	Onsite	Non-Resident
R5150	488,365	3,627,387	4.46E-03	1.44E-05	Onsite	Non-Resident
R5151	488,390	3,627,387	4.63E-03	1.50E-05	Onsite	Non-Resident
R5152	488,415	3,627,387	4.80E-03	1.55E-05	Onsite	Non-Resident
R5153	488,440	3,627,387	4.99E-03	1.61E-05	Onsite	Non-Resident
R5154	488,465	3,627,387	5.19E-03	1.68E-05	Onsite	Non-Resident
R5155	488,490	3,627,387	5.40E-03	1.75E-05	Onsite	Non-Resident
R5156	488,515	3,627,387	5.62E-03	1.82E-05	Onsite	Non-Resident
R5157	488,540	3,627,387	5.86E-03	1.89E-05	Onsite	Non-Resident
R5158	488,565	3,627,387	6.13E-03	1.98E-05	Onsite	Non-Resident
R5159	488,590	3,627,387	6.42E-03	2.07E-05	Onsite	Non-Resident
R5160	488,615	3,627,387	6.73E-03	2.17E-05	Onsite	Non-Resident
R5161	488,640	3,627,387	7.06E-03	2.28E-05	Onsite	Non-Resident
R5162	488,665	3,627,387	7.42E-03	2.40E-05	Onsite	Non-Resident
R5163	488,690	3,627,387	7.80E-03	2.52E-05	Onsite	Non-Resident
R5164	488,715	3,627,387	8.21E-03	2.65E-05	Onsite	Non-Resident
R5165	488,740	3,627,387	8.66E-03	2.80E-05	Onsite	Non-Resident
R5166	488,765	3,627,387	1.10E-01	2.96E-05	Onsite	Resident
R5167	488,790	3,627,387	1.16E-01	3.13E-05	Onsite	Resident
R5168	488,815	3,627,387	1.23E-01	3.32E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5169	488,840	3,627,387	1.09E-02	3.52E-05	Onsite	Non-Resident
R5170	488,865	3,627,387	1.40E-01	3.75E-05	Onsite	Resident
R5171	488,315	3,627,362	4.23E-03	1.37E-05	Onsite	Non-Resident
R5172	488,340	3,627,362	4.39E-03	1.42E-05	Onsite	Non-Resident
R5173	488,365	3,627,362	4.55E-03	1.47E-05	Onsite	Non-Resident
R5174	488,390	3,627,362	4.71E-03	1.52E-05	Onsite	Non-Resident
R5175	488,415	3,627,362	4.89E-03	1.58E-05	Onsite	Non-Resident
R5176	488,440	3,627,362	5.08E-03	1.64E-05	Onsite	Non-Resident
R5177	488,465	3,627,362	5.28E-03	1.71E-05	Onsite	Non-Resident
R5178	488,490	3,627,362	5.49E-03	1.78E-05	Onsite	Non-Resident
R5179	488,515	3,627,362	5.72E-03	1.85E-05	Onsite	Non-Resident
R5180	488,540	3,627,362	5.97E-03	1.93E-05	Onsite	Non-Resident
R5181	488,565	3,627,362	6.24E-03	2.02E-05	Onsite	Non-Resident
R5182	488,590	3,627,362	6.54E-03	2.11E-05	Onsite	Non-Resident
R5183	488,615	3,627,362	6.85E-03	2.21E-05	Onsite	Non-Resident
R5184	488,640	3,627,362	7.18E-03	2.32E-05	Onsite	Non-Resident
R5185	488,665	3,627,362	7.53E-03	2.43E-05	Onsite	Non-Resident
R5186	488,690	3,627,362	7.91E-03	2.56E-05	Onsite	Non-Resident
R5187	488,715	3,627,362	8.33E-03	2.69E-05	Onsite	Non-Resident
R5188	488,740	3,627,362	8.77E-03	2.84E-05	Onsite	Non-Resident
R5189	488,765	3,627,362	9.26E-03	2.99E-05	Onsite	Non-Resident
R5190	488,790	3,627,362	9.79E-03	3.16E-05	Onsite	Non-Resident
R5191	488,815	3,627,362	1.04E-02	3.35E-05	Onsite	Non-Resident
R5192	488,840	3,627,362	1.10E-02	3.56E-05	Onsite	Non-Resident
R5193	488,865	3,627,362	1.17E-02	3.78E-05	Onsite	Non-Resident
R5194	488,315	3,627,337	4.31E-03	1.39E-05	Onsite	Non-Resident
R5195	488,340	3,627,337	4.47E-03	1.44E-05	Onsite	Non-Resident
R5196	488,365	3,627,337	4.63E-03	1.50E-05	Onsite	Non-Resident
R5197	488,390	3,627,337	4.80E-03	1.55E-05	Onsite	Non-Resident
R5198	488,415	3,627,337	4.98E-03	1.61E-05	Onsite	Non-Resident
R5199	488,440	3,627,337	5.17E-03	1.67E-05	Onsite	Non-Resident
R5200	488,465	3,627,337	5.37E-03	1.74E-05	Onsite	Non-Resident
R5201	488,490	3,627,337	5.58E-03	1.80E-05	Onsite	Non-Resident
R5202	488,515	3,627,337	5.82E-03	1.88E-05	Onsite	Non-Resident
R5203	488,540	3,627,337	6.08E-03	1.96E-05	Onsite	Non-Resident
R5204	488,565	3,627,337	6.35E-03	2.05E-05	Onsite	Non-Resident
R5205	488,590	3,627,337	6.64E-03	2.15E-05	Onsite	Non-Resident
R5206	488,615	3,627,337	6.95E-03	2.24E-05	Onsite	Non-Resident
R5207	488,640	3,627,337	7.28E-03	2.35E-05	Onsite	Non-Resident
R5208	488,665	3,627,337	7.64E-03	2.47E-05	Onsite	Non-Resident
R5209	488,690	3,627,337	8.02E-03	2.59E-05	Onsite	Non-Resident
R5210	488,715	3,627,337	8.43E-03	2.72E-05	Onsite	Non-Resident
R5211	488,740	3,627,337	8.88E-03	2.87E-05	Onsite	Non-Resident
R5212	488,765	3,627,337	1.13E-01	3.02E-05	Onsite	Resident
R5213	488,790	3,627,337	1.19E-01	3.19E-05	Onsite	Resident
R5214	488,815	3,627,337	1.26E-01	3.38E-05	Onsite	Resident
R5215	488,840	3,627,337	1.33E-01	3.58E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5216	488,865	3,627,337	1.42E-01	3.81E-05	Onsite	Resident
R5217	488,315	3,627,312	4.39E-03	1.42E-05	Onsite	Non-Resident
R5218	488,340	3,627,312	4.54E-03	1.47E-05	Onsite	Non-Resident
R5219	488,365	3,627,312	4.71E-03	1.52E-05	Onsite	Non-Resident
R5220	488,390	3,627,312	4.88E-03	1.58E-05	Onsite	Non-Resident
R5221	488,415	3,627,312	5.06E-03	1.64E-05	Onsite	Non-Resident
R5222	488,440	3,627,312	5.25E-03	1.70E-05	Onsite	Non-Resident
R5223	488,465	3,627,312	5.45E-03	1.76E-05	Onsite	Non-Resident
R5224	488,490	3,627,312	5.68E-03	1.83E-05	Onsite	Non-Resident
R5225	488,515	3,627,312	5.92E-03	1.91E-05	Onsite	Non-Resident
R5226	488,540	3,627,312	6.17E-03	1.99E-05	Onsite	Non-Resident
R5227	488,565	3,627,312	6.45E-03	2.08E-05	Onsite	Non-Resident
R5228	488,590	3,627,312	6.74E-03	2.18E-05	Onsite	Non-Resident
R5229	488,615	3,627,312	7.04E-03	2.28E-05	Onsite	Non-Resident
R5230	488,640	3,627,312	7.36E-03	2.38E-05	Onsite	Non-Resident
R5231	488,665	3,627,312	7.74E-03	2.50E-05	Onsite	Non-Resident
R5232	488,690	3,627,312	8.12E-03	2.62E-05	Onsite	Non-Resident
R5233	488,715	3,627,312	8.52E-03	2.75E-05	Onsite	Non-Resident
R5234	488,740	3,627,312	8.97E-03	2.90E-05	Onsite	Non-Resident
R5235	488,765	3,627,312	1.13E-01	3.04E-05	Onsite	Resident
R5236	488,790	3,627,312	1.19E-01	3.20E-05	Onsite	Resident
R5237	488,815	3,627,312	1.26E-01	3.38E-05	Onsite	Resident
R5238	488,840	3,627,312	1.34E-01	3.60E-05	Onsite	Resident
R5239	488,865	3,627,312	1.42E-01	3.83E-05	Onsite	Resident
R5240	488,315	3,627,287	4.46E-03	1.44E-05	Onsite	Non-Resident
R5241	488,340	3,627,287	4.62E-03	1.49E-05	Onsite	Non-Resident
R5242	488,365	3,627,287	4.78E-03	1.55E-05	Onsite	Non-Resident
R5243	488,390	3,627,287	4.96E-03	1.60E-05	Onsite	Non-Resident
R5244	488,415	3,627,287	5.14E-03	1.66E-05	Onsite	Non-Resident
R5245	488,440	3,627,287	5.33E-03	1.72E-05	Onsite	Non-Resident
R5246	488,465	3,627,287	5.54E-03	1.79E-05	Onsite	Non-Resident
R5247	488,490	3,627,287	5.77E-03	1.86E-05	Onsite	Non-Resident
R5248	488,515	3,627,287	6.01E-03	1.94E-05	Onsite	Non-Resident
R5249	488,540	3,627,287	6.27E-03	2.02E-05	Onsite	Non-Resident
R5250	488,565	3,627,287	6.54E-03	2.11E-05	Onsite	Non-Resident
R5251	488,590	3,627,287	6.84E-03	2.21E-05	Onsite	Non-Resident
R5252	488,615	3,627,287	7.15E-03	2.31E-05	Onsite	Non-Resident
R5253	488,640	3,627,287	7.47E-03	2.42E-05	Onsite	Non-Resident
R5254	488,665	3,627,287	7.82E-03	2.53E-05	Onsite	Non-Resident
R5255	488,690	3,627,287	8.20E-03	2.65E-05	Onsite	Non-Resident
R5256	488,715	3,627,287	8.61E-03	2.78E-05	Onsite	Non-Resident
R5257	488,740	3,627,287	9.03E-03	2.92E-05	Onsite	Non-Resident
R5258	488,765	3,627,287	1.13E-01	3.04E-05	Onsite	Resident
R5259	488,790	3,627,287	1.19E-01	3.21E-05	Onsite	Resident
R5260	488,815	3,627,287	1.26E-01	3.38E-05	Onsite	Resident
R5261	488,840	3,627,287	1.33E-01	3.58E-05	Onsite	Resident
R5262	488,865	3,627,287	1.42E-01	3.82E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5263	488,315	3,627,262	4.54E-03	1.47E-05	Onsite	Non-Resident
R5264	488,340	3,627,262	4.69E-03	1.52E-05	Onsite	Non-Resident
R5265	488,365	3,627,262	4.86E-03	1.57E-05	Onsite	Non-Resident
R5266	488,390	3,627,262	5.03E-03	1.63E-05	Onsite	Non-Resident
R5267	488,415	3,627,262	5.22E-03	1.69E-05	Onsite	Non-Resident
R5268	488,440	3,627,262	5.42E-03	1.75E-05	Onsite	Non-Resident
R5269	488,465	3,627,262	5.62E-03	1.82E-05	Onsite	Non-Resident
R5270	488,490	3,627,262	5.85E-03	1.89E-05	Onsite	Non-Resident
R5271	488,515	3,627,262	6.09E-03	1.97E-05	Onsite	Non-Resident
R5272	488,540	3,627,262	6.35E-03	2.05E-05	Onsite	Non-Resident
R5273	488,565	3,627,262	6.63E-03	2.14E-05	Onsite	Non-Resident
R5274	488,590	3,627,262	6.92E-03	2.24E-05	Onsite	Non-Resident
R5275	488,615	3,627,262	7.23E-03	2.34E-05	Onsite	Non-Resident
R5276	488,640	3,627,262	7.56E-03	2.44E-05	Onsite	Non-Resident
R5277	488,665	3,627,262	7.91E-03	2.55E-05	Onsite	Non-Resident
R5278	488,690	3,627,262	8.28E-03	2.68E-05	Onsite	Non-Resident
R5279	488,715	3,627,262	8.68E-03	2.81E-05	Onsite	Non-Resident
R5280	488,740	3,627,262	1.09E-01	2.93E-05	Onsite	Resident
R5281	488,765	3,627,262	1.14E-01	3.06E-05	Onsite	Resident
R5282	488,790	3,627,262	1.20E-01	3.23E-05	Onsite	Resident
R5283	488,815	3,627,262	1.27E-01	3.40E-05	Onsite	Resident
R5284	488,840	3,627,262	1.34E-01	3.59E-05	Onsite	Resident
R5285	488,865	3,627,262	1.41E-01	3.79E-05	Onsite	Resident
R5286	488,315	3,627,237	4.61E-03	1.49E-05	Onsite	Non-Resident
R5287	488,340	3,627,237	4.77E-03	1.54E-05	Onsite	Non-Resident
R5288	488,365	3,627,237	4.93E-03	1.59E-05	Onsite	Non-Resident
R5289	488,390	3,627,237	5.11E-03	1.65E-05	Onsite	Non-Resident
R5290	488,415	3,627,237	5.30E-03	1.71E-05	Onsite	Non-Resident
R5291	488,440	3,627,237	5.49E-03	1.78E-05	Onsite	Non-Resident
R5292	488,465	3,627,237	5.70E-03	1.84E-05	Onsite	Non-Resident
R5293	488,490	3,627,237	5.93E-03	1.92E-05	Onsite	Non-Resident
R5294	488,515	3,627,237	6.17E-03	2.00E-05	Onsite	Non-Resident
R5295	488,540	3,627,237	6.43E-03	2.08E-05	Onsite	Non-Resident
R5296	488,565	3,627,237	6.71E-03	2.17E-05	Onsite	Non-Resident
R5297	488,590	3,627,237	7.00E-03	2.26E-05	Onsite	Non-Resident
R5298	488,615	3,627,237	7.31E-03	2.36E-05	Onsite	Non-Resident
R5299	488,640	3,627,237	7.63E-03	2.47E-05	Onsite	Non-Resident
R5300	488,665	3,627,237	7.98E-03	2.58E-05	Onsite	Non-Resident
R5301	488,690	3,627,237	8.35E-03	2.70E-05	Onsite	Non-Resident
R5302	488,715	3,627,237	8.75E-03	2.83E-05	Onsite	Non-Resident
R5303	488,740	3,627,237	9.08E-03	2.93E-05	Onsite	Non-Resident
R5304	488,765	3,627,237	1.15E-01	3.08E-05	Onsite	Resident
R5305	488,790	3,627,237	1.21E-01	3.24E-05	Onsite	Resident
R5306	488,815	3,627,237	1.27E-01	3.41E-05	Onsite	Resident
R5307	488,840	3,627,237	1.34E-01	3.60E-05	Onsite	Resident
R5308	488,865	3,627,237	1.42E-01	3.82E-05	Onsite	Resident
R5309	488,890	3,627,237	1.52E-01	4.08E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5310	488,315	3,627,212	4.68E-03	1.51E-05	Onsite	Non-Resident
R5311	488,340	3,627,212	4.84E-03	1.56E-05	Onsite	Non-Resident
R5312	488,365	3,627,212	5.01E-03	1.62E-05	Onsite	Non-Resident
R5313	488,390	3,627,212	5.18E-03	1.68E-05	Onsite	Non-Resident
R5314	488,415	3,627,212	5.37E-03	1.74E-05	Onsite	Non-Resident
R5315	488,440	3,627,212	5.57E-03	1.80E-05	Onsite	Non-Resident
R5316	488,465	3,627,212	5.78E-03	1.87E-05	Onsite	Non-Resident
R5317	488,490	3,627,212	6.01E-03	1.94E-05	Onsite	Non-Resident
R5318	488,515	3,627,212	6.25E-03	2.02E-05	Onsite	Non-Resident
R5319	488,540	3,627,212	6.51E-03	2.10E-05	Onsite	Non-Resident
R5320	488,565	3,627,212	6.78E-03	2.19E-05	Onsite	Non-Resident
R5321	488,590	3,627,212	7.08E-03	2.29E-05	Onsite	Non-Resident
R5322	488,615	3,627,212	7.38E-03	2.38E-05	Onsite	Non-Resident
R5323	488,640	3,627,212	7.70E-03	2.49E-05	Onsite	Non-Resident
R5324	488,665	3,627,212	8.05E-03	2.60E-05	Onsite	Non-Resident
R5325	488,690	3,627,212	8.41E-03	2.72E-05	Onsite	Non-Resident
R5326	488,715	3,627,212	8.81E-03	2.85E-05	Onsite	Non-Resident
R5327	488,740	3,627,212	9.20E-03	2.97E-05	Onsite	Non-Resident
R5328	488,765	3,627,212	1.15E-01	3.10E-05	Onsite	Resident
R5329	488,790	3,627,212	1.01E-02	3.25E-05	Onsite	Non-Resident
R5330	488,815	3,627,212	1.06E-02	3.42E-05	Onsite	Non-Resident
R5331	488,840	3,627,212	1.11E-02	3.60E-05	Onsite	Non-Resident
R5332	488,865	3,627,212	1.43E-01	3.85E-05	Onsite	Resident
R5333	488,890	3,627,212	1.52E-01	4.08E-05	Onsite	Resident
R5334	488,315	3,627,187	4.75E-03	1.53E-05	Onsite	Non-Resident
R5335	488,340	3,627,187	4.91E-03	1.59E-05	Onsite	Non-Resident
R5336	488,365	3,627,187	5.08E-03	1.64E-05	Onsite	Non-Resident
R5337	488,390	3,627,187	5.26E-03	1.70E-05	Onsite	Non-Resident
R5338	488,415	3,627,187	5.44E-03	1.76E-05	Onsite	Non-Resident
R5339	488,440	3,627,187	5.64E-03	1.82E-05	Onsite	Non-Resident
R5340	488,465	3,627,187	5.85E-03	1.89E-05	Onsite	Non-Resident
R5341	488,490	3,627,187	6.08E-03	1.96E-05	Onsite	Non-Resident
R5342	488,515	3,627,187	6.32E-03	2.04E-05	Onsite	Non-Resident
R5343	488,540	3,627,187	6.58E-03	2.13E-05	Onsite	Non-Resident
R5344	488,565	3,627,187	6.85E-03	2.22E-05	Onsite	Non-Resident
R5345	488,590	3,627,187	7.14E-03	2.31E-05	Onsite	Non-Resident
R5346	488,615	3,627,187	7.45E-03	2.41E-05	Onsite	Non-Resident
R5347	488,640	3,627,187	7.77E-03	2.51E-05	Onsite	Non-Resident
R5348	488,665	3,627,187	8.11E-03	2.62E-05	Onsite	Non-Resident
R5349	488,690	3,627,187	8.47E-03	2.74E-05	Onsite	Non-Resident
R5350	488,715	3,627,187	8.86E-03	2.86E-05	Onsite	Non-Resident
R5351	488,740	3,627,187	1.12E-01	3.00E-05	Onsite	Resident
R5352	488,765	3,627,187	1.17E-01	3.14E-05	Onsite	Resident
R5353	488,790	3,627,187	1.22E-01	3.28E-05	Onsite	Resident
R5354	488,815	3,627,187	1.07E-02	3.44E-05	Onsite	Non-Resident
R5355	488,840	3,627,187	1.35E-01	3.62E-05	Onsite	Resident
R5356	488,865	3,627,187	1.43E-01	3.85E-05	Onsite	Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5357	488,890	3,627,187	1.52E-01	4.07E-05	Onsite	Resident
R5358	488,340	3,627,162	4.98E-03	1.61E-05	Onsite	Non-Resident
R5359	488,365	3,627,162	5.15E-03	1.66E-05	Onsite	Non-Resident
R5360	488,390	3,627,162	5.33E-03	1.72E-05	Onsite	Non-Resident
R5361	488,415	3,627,162	5.51E-03	1.78E-05	Onsite	Non-Resident
R5362	488,440	3,627,162	5.71E-03	1.85E-05	Onsite	Non-Resident
R5363	488,465	3,627,162	5.92E-03	1.91E-05	Onsite	Non-Resident
R5364	488,490	3,627,162	6.15E-03	1.99E-05	Onsite	Non-Resident
R5365	488,515	3,627,162	6.39E-03	2.06E-05	Onsite	Non-Resident
R5366	488,540	3,627,162	6.65E-03	2.15E-05	Onsite	Non-Resident
R5367	488,565	3,627,162	6.92E-03	2.24E-05	Onsite	Non-Resident
R5368	488,590	3,627,162	7.21E-03	2.33E-05	Onsite	Non-Resident
R5369	488,615	3,627,162	7.51E-03	2.43E-05	Onsite	Non-Resident
R5370	488,640	3,627,162	7.83E-03	2.53E-05	Onsite	Non-Resident
R5371	488,665	3,627,162	8.17E-03	2.64E-05	Onsite	Non-Resident
R5372	488,690	3,627,162	8.53E-03	2.76E-05	Onsite	Non-Resident
R5373	488,715	3,627,162	8.91E-03	2.88E-05	Onsite	Non-Resident
R5374	488,740	3,627,162	1.12E-01	3.01E-05	Onsite	Resident
R5375	488,765	3,627,162	1.17E-01	3.16E-05	Onsite	Resident
R5376	488,790	3,627,162	1.23E-01	3.31E-05	Onsite	Resident
R5377	488,815	3,627,162	1.08E-02	3.47E-05	Onsite	Non-Resident
R5378	488,840	3,627,162	1.36E-01	3.65E-05	Onsite	Resident
R5379	488,865	3,627,162	1.43E-01	3.85E-05	Onsite	Resident
R5380	488,890	3,627,162	1.26E-02	4.06E-05	Onsite	Non-Resident
R5381	488,915	3,627,162	1.60E-01	4.30E-05	Onsite	Resident
R5382	488,340	3,627,137	5.04E-03	1.63E-05	Onsite	Non-Resident
R5383	488,365	3,627,137	5.21E-03	1.69E-05	Onsite	Non-Resident
R5384	488,390	3,627,137	5.39E-03	1.74E-05	Onsite	Non-Resident
R5385	488,415	3,627,137	5.58E-03	1.80E-05	Onsite	Non-Resident
R5386	488,440	3,627,137	5.78E-03	1.87E-05	Onsite	Non-Resident
R5387	488,465	3,627,137	5.98E-03	1.93E-05	Onsite	Non-Resident
R5388	488,490	3,627,137	6.21E-03	2.01E-05	Onsite	Non-Resident
R5389	488,515	3,627,137	6.45E-03	2.09E-05	Onsite	Non-Resident
R5390	488,540	3,627,137	6.71E-03	2.17E-05	Onsite	Non-Resident
R5391	488,565	3,627,137	6.98E-03	2.26E-05	Onsite	Non-Resident
R5392	488,590	3,627,137	7.27E-03	2.35E-05	Onsite	Non-Resident
R5393	488,615	3,627,137	7.57E-03	2.45E-05	Onsite	Non-Resident
R5394	488,640	3,627,137	7.89E-03	2.55E-05	Onsite	Non-Resident
R5395	488,665	3,627,137	8.22E-03	2.66E-05	Onsite	Non-Resident
R5396	488,690	3,627,137	8.57E-03	2.77E-05	Onsite	Non-Resident
R5397	488,715	3,627,137	8.95E-03	2.89E-05	Onsite	Non-Resident
R5398	488,740	3,627,137	1.13E-01	3.02E-05	Onsite	Resident
R5399	488,765	3,627,137	1.18E-01	3.17E-05	Onsite	Resident
R5400	488,790	3,627,137	1.23E-01	3.32E-05	Onsite	Resident
R5401	488,815	3,627,137	1.08E-02	3.48E-05	Onsite	Non-Resident
R5402	488,840	3,627,137	1.36E-01	3.66E-05	Onsite	Resident
R5403	488,865	3,627,137	1.43E-01	3.85E-05	Onsite	Resident



Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5404	488,890	3,627,137	1.25E-02	4.05E-05	Onsite	Non-Resident
R5405	488,340	3,627,112	5.11E-03	1.65E-05	Onsite	Non-Resident
R5406	488,365	3,627,112	5.28E-03	1.71E-05	Onsite	Non-Resident
R5407	488,390	3,627,112	5.46E-03	1.76E-05	Onsite	Non-Resident
R5408	488,415	3,627,112	5.65E-03	1.82E-05	Onsite	Non-Resident
R5409	488,440	3,627,112	5.84E-03	1.89E-05	Onsite	Non-Resident
R5410	488,465	3,627,112	6.05E-03	1.95E-05	Onsite	Non-Resident
R5411	488,490	3,627,112	6.28E-03	2.03E-05	Onsite	Non-Resident
R5412	488,515	3,627,112	6.52E-03	2.11E-05	Onsite	Non-Resident
R5413	488,540	3,627,112	6.77E-03	2.19E-05	Onsite	Non-Resident
R5414	488,565	3,627,112	7.04E-03	2.27E-05	Onsite	Non-Resident
R5415	488,590	3,627,112	7.32E-03	2.37E-05	Onsite	Non-Resident
R5416	488,615	3,627,112	7.62E-03	2.46E-05	Onsite	Non-Resident
R5417	488,640	3,627,112	7.94E-03	2.57E-05	Onsite	Non-Resident
R5418	488,665	3,627,112	8.27E-03	2.67E-05	Onsite	Non-Resident
R5419	488,690	3,627,112	8.62E-03	2.79E-05	Onsite	Non-Resident
R5420	488,715	3,627,112	8.99E-03	2.91E-05	Onsite	Non-Resident
R5421	488,740	3,627,112	9.39E-03	3.04E-05	Onsite	Non-Resident
R5422	488,765	3,627,112	1.18E-01	3.17E-05	Onsite	Resident
R5423	488,790	3,627,112	1.24E-01	3.32E-05	Onsite	Resident
R5424	488,340	3,627,087	5.17E-03	1.67E-05	Onsite	Non-Resident
R5425	488,365	3,627,087	5.35E-03	1.73E-05	Onsite	Non-Resident
R5426	488,390	3,627,087	5.52E-03	1.79E-05	Onsite	Non-Resident
R5427	488,415	3,627,087	5.71E-03	1.85E-05	Onsite	Non-Resident
R5428	488,440	3,627,087	5.91E-03	1.91E-05	Onsite	Non-Resident
R5429	488,465	3,627,087	6.11E-03	1.98E-05	Onsite	Non-Resident
R5430	488,490	3,627,087	6.34E-03	2.05E-05	Onsite	Non-Resident
R5431	488,515	3,627,087	6.58E-03	2.13E-05	Onsite	Non-Resident
R5432	488,540	3,627,087	6.83E-03	2.21E-05	Onsite	Non-Resident
R5433	488,565	3,627,087	7.09E-03	2.29E-05	Onsite	Non-Resident
R5434	488,590	3,627,087	7.37E-03	2.38E-05	Onsite	Non-Resident
R5435	488,615	3,627,087	7.67E-03	2.48E-05	Onsite	Non-Resident
R5436	488,640	3,627,087	7.99E-03	2.58E-05	Onsite	Non-Resident
R5437	488,665	3,627,087	8.32E-03	2.69E-05	Onsite	Non-Resident
R5438	488,690	3,627,087	8.67E-03	2.80E-05	Onsite	Non-Resident
R5439	488,715	3,627,087	9.03E-03	2.92E-05	Onsite	Non-Resident
R5440	488,340	3,627,062	5.24E-03	1.69E-05	Onsite	Non-Resident
R5441	488,365	3,627,062	5.41E-03	1.75E-05	Onsite	Non-Resident
R5442	488,390	3,627,062	5.59E-03	1.81E-05	Onsite	Non-Resident
R5443	488,415	3,627,062	5.77E-03	1.87E-05	Onsite	Non-Resident
R5444	488,440	3,627,062	5.97E-03	1.93E-05	Onsite	Non-Resident
R5445	488,465	3,627,062	6.18E-03	2.00E-05	Onsite	Non-Resident
R5446	488,490	3,627,062	6.40E-03	2.07E-05	Onsite	Non-Resident
R5447	488,515	3,627,062	6.64E-03	2.15E-05	Onsite	Non-Resident
R5448	488,540	3,627,062	6.89E-03	2.23E-05	Onsite	Non-Resident
R5449	488,565	3,627,062	7.15E-03	2.31E-05	Onsite	Non-Resident
R5450	488,590	3,627,062	7.43E-03	2.40E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5451	488,615	3,627,062	7.72E-03	2.50E-05	Onsite	Non-Resident
R5452	488,640	3,627,062	8.03E-03	2.60E-05	Onsite	Non-Resident
R5453	488,340	3,627,037	5.30E-03	1.71E-05	Onsite	Non-Resident
R5454	488,365	3,627,037	5.47E-03	1.77E-05	Onsite	Non-Resident
R5455	488,390	3,627,037	5.65E-03	1.83E-05	Onsite	Non-Resident
R5456	488,415	3,627,037	5.84E-03	1.89E-05	Onsite	Non-Resident
R5457	488,440	3,627,037	6.03E-03	1.95E-05	Onsite	Non-Resident
R5458	488,465	3,627,037	6.24E-03	2.02E-05	Onsite	Non-Resident
R5459	488,490	3,627,037	6.46E-03	2.09E-05	Onsite	Non-Resident
R5460	488,515	3,627,037	6.70E-03	2.17E-05	Onsite	Non-Resident
R5461	488,540	3,627,037	6.95E-03	2.25E-05	Onsite	Non-Resident
R5462	488,565	3,627,037	7.21E-03	2.33E-05	Onsite	Non-Resident
R5463	488,590	3,627,037	7.48E-03	2.42E-05	Onsite	Non-Resident
R5464	488,340	3,627,012	5.36E-03	1.73E-05	Onsite	Non-Resident
R5465	488,365	3,627,012	5.54E-03	1.79E-05	Onsite	Non-Resident
R5466	488,390	3,627,012	5.72E-03	1.85E-05	Onsite	Non-Resident
R5467	488,415	3,627,012	5.90E-03	1.91E-05	Onsite	Non-Resident
R5468	488,440	3,627,012	6.10E-03	1.97E-05	Onsite	Non-Resident
R5469	488,465	3,627,012	6.30E-03	2.04E-05	Onsite	Non-Resident
R5470	488,490	3,627,012	6.53E-03	2.11E-05	Onsite	Non-Resident
R5471	488,515	3,627,012	6.76E-03	2.19E-05	Onsite	Non-Resident
R5472	488,540	3,627,012	7.01E-03	2.27E-05	Onsite	Non-Resident
R5473	488,315	3,626,987	5.27E-03	1.70E-05	Onsite	Non-Resident
R5474	488,340	3,626,987	5.43E-03	1.75E-05	Onsite	Non-Resident
R5475	488,365	3,626,987	5.60E-03	1.81E-05	Onsite	Non-Resident
R5476	488,390	3,626,987	5.78E-03	1.87E-05	Onsite	Non-Resident
R5477	488,415	3,626,987	5.97E-03	1.93E-05	Onsite	Non-Resident
R5478	488,440	3,626,987	6.17E-03	1.99E-05	Onsite	Non-Resident
R5479	488,465	3,626,987	6.37E-03	2.06E-05	Onsite	Non-Resident
R5480	488,490	3,626,987	6.60E-03	2.13E-05	Onsite	Non-Resident
R5481	488,290	3,626,962	5.18E-03	1.67E-05	Onsite	Non-Resident
R5482	488,315	3,626,962	5.33E-03	1.72E-05	Onsite	Non-Resident
R5483	488,340	3,626,962	5.50E-03	1.78E-05	Onsite	Non-Resident
R5484	488,365	3,626,962	5.67E-03	1.83E-05	Onsite	Non-Resident
R5485	488,390	3,626,962	5.85E-03	1.89E-05	Onsite	Non-Resident
R5486	488,415	3,626,962	6.04E-03	1.95E-05	Onsite	Non-Resident
R5487	488,440	3,626,962	6.24E-03	2.02E-05	Onsite	Non-Resident
R5488	488,465	3,626,962	6.44E-03	2.08E-05	Onsite	Non-Resident
R5489	488,265	3,626,937	5.10E-03	1.65E-05	Onsite	Non-Resident
R5490	488,290	3,626,937	5.24E-03	1.69E-05	Onsite	Non-Resident
R5491	488,315	3,626,937	5.40E-03	1.75E-05	Onsite	Non-Resident
R5492	488,340	3,626,937	5.57E-03	1.80E-05	Onsite	Non-Resident
R5493	488,365	3,626,937	5.74E-03	1.86E-05	Onsite	Non-Resident
R5494	488,390	3,626,937	5.92E-03	1.91E-05	Onsite	Non-Resident
R5495	488,415	3,626,937	6.11E-03	1.98E-05	Onsite	Non-Resident
R5496	488,240	3,626,912	5.02E-03	1.62E-05	Onsite	Non-Resident
R5497	488,265	3,626,912	5.16E-03	1.67E-05	Onsite	Non-Resident

Table C-1. Cancer Risk and Chronic Hazard Index at Modeled Receptors for the Project  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
	X Coordinate	Y Coordinate				
R5498	488,290	3,626,912	5.31E-03	1.72E-05	Onsite	Non-Resident
R5499	488,340	3,626,912	5.64E-03	1.82E-05	Onsite	Non-Resident
R5500	488,365	3,626,912	5.82E-03	1.88E-05	Onsite	Non-Resident
R5501	488,390	3,626,912	6.00E-03	1.94E-05	Onsite	Non-Resident
R5502	488,215	3,626,887	4.94E-03	1.60E-05	Onsite	Non-Resident
R5503	488,290	3,626,887	5.38E-03	1.74E-05	Onsite	Non-Resident
R5504	488,315	3,626,887	5.55E-03	1.79E-05	Onsite	Non-Resident
R5505	488,340	3,626,887	5.72E-03	1.85E-05	Onsite	Non-Resident
R5506	488,240	3,626,862	5.15E-03	1.66E-05	Onsite	Non-Resident
R5507	488,265	3,626,862	5.31E-03	1.72E-05	Onsite	Non-Resident
R5508	488,290	3,626,862	5.47E-03	1.77E-05	Onsite	Non-Resident
R5509	488,315	3,626,862	5.63E-03	1.82E-05	Onsite	Non-Resident
R5510	488,215	3,626,837	5.09E-03	1.64E-05	Onsite	Non-Resident
R5511	488,240	3,626,837	5.24E-03	1.69E-05	Onsite	Non-Resident
R5512	488,265	3,626,837	5.39E-03	1.74E-05	Onsite	Non-Resident
R5513	488,190	3,626,812	5.01E-03	1.62E-05	Onsite	Non-Resident
R5514	488,215	3,626,812	5.15E-03	1.66E-05	Onsite	Non-Resident
R5515	488,240	3,626,812	5.30E-03	1.71E-05	Onsite	Non-Resident
R5516	488,165	3,626,787	4.94E-03	1.60E-05	Onsite	Non-Resident
R5517	488,190	3,626,787	5.08E-03	1.64E-05	Onsite	Non-Resident
R5518	488,215	3,626,787	5.23E-03	1.69E-05	Onsite	Non-Resident
R5519	488,140	3,626,762	4.88E-03	1.58E-05	Onsite	Non-Resident
R5520	488,165	3,626,762	5.01E-03	1.62E-05	Onsite	Non-Resident
R5521	488,115	3,626,737	4.82E-03	1.56E-05	Onsite	Non-Resident
R5522	488,140	3,626,737	4.96E-03	1.60E-05	Onsite	Non-Resident
R5523	488,090	3,626,712	4.77E-03	1.54E-05	Onsite	Non-Resident
R5524	488,065	3,626,687	4.71E-03	1.52E-05	Onsite	Non-Resident
R5525	489,973	3,626,649	1.57E-01	4.21E-05	Offsite	Non-Residential Sensitive
R5526	488,316	3,626,243	2.38E-01	6.40E-05	Offsite	Non-Residential Sensitive
R5527	488,923	3,626,578	2.37E-01	6.37E-05	Offsite	Non-Residential Sensitive
R5528	489,083	3,626,832	2.58E-01	6.94E-05	Offsite	Non-Residential Sensitive

Notes:

<sup>1</sup> The projection datum is NAD-83.

<sup>2</sup> Exposure parameters for workers were used to estimate health impacts for the non-resident receptors on-site.

Abbreviations:

m - meter

NAD - North American Datum

UTM - Universal Transverse Mercator

SDSU - San Diego State University

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R1965	488,040	3,626,612	1.75E-01	5.64E-04	Onsite	Non-Resident
R1966	488,065	3,626,612	1.81E-01	5.86E-04	Onsite	Non-Resident
R2045	488,015	3,626,637	1.61E-01	5.21E-04	Onsite	Non-Resident
R2046	488,040	3,626,637	1.67E-01	5.39E-04	Onsite	Non-Resident
R2047	488,065	3,626,637	1.74E-01	5.62E-04	Onsite	Non-Resident
R2048	488,090	3,626,637	1.81E-01	5.85E-04	Onsite	Non-Resident
R2049	488,115	3,626,637	1.89E-01	6.09E-04	Onsite	Non-Resident
R2050	488,140	3,626,637	1.95E-01	6.31E-04	Onsite	Non-Resident
R2126	488,040	3,626,662	1.60E-01	5.18E-04	Onsite	Non-Resident
R2127	488,065	3,626,662	1.67E-01	5.39E-04	Onsite	Non-Resident
R2128	488,090	3,626,662	1.73E-01	5.60E-04	Onsite	Non-Resident
R2129	488,115	3,626,662	1.80E-01	5.82E-04	Onsite	Non-Resident
R2130	488,140	3,626,662	1.87E-01	6.05E-04	Onsite	Non-Resident
R2131	488,165	3,626,662	1.94E-01	6.26E-04	Onsite	Non-Resident
R2207	488,090	3,626,687	1.66E-01	5.35E-04	Onsite	Non-Resident
R2208	488,115	3,626,687	1.72E-01	5.55E-04	Onsite	Non-Resident
R2209	488,140	3,626,687	1.78E-01	5.76E-04	Onsite	Non-Resident
R2210	488,165	3,626,687	1.85E-01	5.96E-04	Onsite	Non-Resident
R2211	488,190	3,626,687	1.92E-01	6.20E-04	Onsite	Non-Resident
R2212	488,215	3,626,687	2.00E-01	6.45E-04	Onsite	Non-Resident
R2286	488,115	3,626,712	1.64E-01	5.31E-04	Onsite	Non-Resident
R2287	488,140	3,626,712	1.70E-01	5.50E-04	Onsite	Non-Resident
R2288	488,165	3,626,712	1.76E-01	5.69E-04	Onsite	Non-Resident
R2289	488,190	3,626,712	1.83E-01	5.90E-04	Onsite	Non-Resident
R2290	488,215	3,626,712	1.90E-01	6.13E-04	Onsite	Non-Resident
R2291	488,240	3,626,712	1.97E-01	6.37E-04	Onsite	Non-Resident
R2292	488,265	3,626,712	2.05E-01	6.62E-04	Onsite	Non-Resident
R2364	488,165	3,626,737	1.68E-01	5.44E-04	Onsite	Non-Resident
R2365	488,190	3,626,737	1.75E-01	5.64E-04	Onsite	Non-Resident
R2366	488,215	3,626,737	1.81E-01	5.84E-04	Onsite	Non-Resident
R2367	488,240	3,626,737	1.88E-01	6.06E-04	Onsite	Non-Resident
R2368	488,265	3,626,737	1.95E-01	6.29E-04	Onsite	Non-Resident
R2369	488,290	3,626,737	2.02E-01	6.54E-04	Onsite	Non-Resident
R2370	488,315	3,626,737	2.10E-01	6.80E-04	Onsite	Non-Resident
R2440	488,190	3,626,762	1.67E-01	5.40E-04	Onsite	Non-Resident
R2441	488,215	3,626,762	1.73E-01	5.59E-04	Onsite	Non-Resident
R2442	488,240	3,626,762	1.79E-01	5.79E-04	Onsite	Non-Resident
R2443	488,265	3,626,762	1.86E-01	6.00E-04	Onsite	Non-Resident
R2444	488,290	3,626,762	1.92E-01	6.22E-04	Onsite	Non-Resident
R2445	488,315	3,626,762	2.00E-01	6.45E-04	Onsite	Non-Resident
R2446	488,340	3,626,762	2.07E-01	6.70E-04	Onsite	Non-Resident
R2447	488,365	3,626,762	2.16E-01	6.97E-04	Onsite	Non-Resident
R2448	488,390	3,626,762	2.24E-01	7.24E-04	Onsite	Non-Resident
R2515	488,240	3,626,787	1.72E-01	5.54E-04	Onsite	Non-Resident
R2516	488,265	3,626,787	1.77E-01	5.74E-04	Onsite	Non-Resident
R2517	488,290	3,626,787	1.84E-01	5.94E-04	Onsite	Non-Resident
R2518	488,315	3,626,787	1.90E-01	6.15E-04	Onsite	Non-Resident
R2519	488,340	3,626,787	1.97E-01	6.38E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R2520	488,365	3,626,787	2.05E-01	6.61E-04	Onsite	Non-Resident
R2521	488,390	3,626,787	2.12E-01	6.87E-04	Onsite	Non-Resident
R2522	488,415	3,626,787	2.21E-01	7.13E-04	Onsite	Non-Resident
R2523	488,440	3,626,787	2.29E-01	7.41E-04	Onsite	Non-Resident
R2588	488,265	3,626,812	1.70E-01	5.50E-04	Onsite	Non-Resident
R2589	488,290	3,626,812	1.76E-01	5.69E-04	Onsite	Non-Resident
R2590	488,315	3,626,812	1.82E-01	5.88E-04	Onsite	Non-Resident
R2591	488,340	3,626,812	1.88E-01	6.08E-04	Onsite	Non-Resident
R2592	488,365	3,626,812	1.95E-01	6.30E-04	Onsite	Non-Resident
R2593	488,390	3,626,812	2.02E-01	6.53E-04	Onsite	Non-Resident
R2594	488,415	3,626,812	2.09E-01	6.76E-04	Onsite	Non-Resident
R2595	488,440	3,626,812	2.17E-01	7.02E-04	Onsite	Non-Resident
R2596	488,465	3,626,812	2.26E-01	7.29E-04	Onsite	Non-Resident
R2597	488,490	3,626,812	2.34E-01	7.58E-04	Onsite	Non-Resident
R2660	488,290	3,626,837	1.69E-01	5.46E-04	Onsite	Non-Resident
R2661	488,315	3,626,837	1.74E-01	5.64E-04	Onsite	Non-Resident
R2662	488,340	3,626,837	1.80E-01	5.82E-04	Onsite	Non-Resident
R2663	488,365	3,626,837	1.86E-01	6.02E-04	Onsite	Non-Resident
R2664	488,390	3,626,837	1.93E-01	6.23E-04	Onsite	Non-Resident
R2665	488,415	3,626,837	1.99E-01	6.44E-04	Onsite	Non-Resident
R2666	488,440	3,626,837	2.06E-01	6.67E-04	Onsite	Non-Resident
R2667	488,465	3,626,837	2.14E-01	6.92E-04	Onsite	Non-Resident
R2668	488,490	3,626,837	2.22E-01	7.18E-04	Onsite	Non-Resident
R2669	488,515	3,626,837	2.31E-01	7.45E-04	Onsite	Non-Resident
R2670	488,540	3,626,837	2.40E-01	7.74E-04	Onsite	Non-Resident
R2671	488,565	3,626,837	2.49E-01	8.04E-04	Onsite	Non-Resident
R2731	488,340	3,626,862	1.73E-01	5.59E-04	Onsite	Non-Resident
R2732	488,365	3,626,862	1.79E-01	5.77E-04	Onsite	Non-Resident
R2733	488,390	3,626,862	1.84E-01	5.96E-04	Onsite	Non-Resident
R2734	488,415	3,626,862	1.91E-01	6.16E-04	Onsite	Non-Resident
R2735	488,440	3,626,862	1.97E-01	6.37E-04	Onsite	Non-Resident
R2736	488,465	3,626,862	2.04E-01	6.59E-04	Onsite	Non-Resident
R2737	488,490	3,626,862	2.11E-01	6.83E-04	Onsite	Non-Resident
R2738	488,515	3,626,862	2.19E-01	7.08E-04	Onsite	Non-Resident
R2739	488,540	3,626,862	2.27E-01	7.34E-04	Onsite	Non-Resident
R2740	488,565	3,626,862	2.36E-01	7.62E-04	Onsite	Non-Resident
R2741	488,590	3,626,862	2.45E-01	7.91E-04	Onsite	Non-Resident
R2742	488,615	3,626,862	2.54E-01	8.22E-04	Onsite	Non-Resident
R2800	488,365	3,626,887	1.72E-01	5.55E-04	Onsite	Non-Resident
R2801	488,390	3,626,887	1.77E-01	5.73E-04	Onsite	Non-Resident
R2802	488,415	3,626,887	1.83E-01	5.91E-04	Onsite	Non-Resident
R2803	488,440	3,626,887	1.89E-01	6.11E-04	Onsite	Non-Resident
R2804	488,465	3,626,887	1.95E-01	6.31E-04	Onsite	Non-Resident
R2805	488,490	3,626,887	2.02E-01	6.53E-04	Onsite	Non-Resident
R2806	488,515	3,626,887	2.09E-01	6.75E-04	Onsite	Non-Resident
R2807	488,540	3,626,887	2.16E-01	7.00E-04	Onsite	Non-Resident
R2808	488,565	3,626,887	2.24E-01	7.25E-04	Onsite	Non-Resident
R2809	488,590	3,626,887	2.32E-01	7.51E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R2810	488,615	3,626,887	2.41E-01	7.79E-04	Onsite	Non-Resident
R2811	488,640	3,626,887	2.50E-01	8.08E-04	Onsite	Non-Resident
R2812	488,665	3,626,887	2.60E-01	8.39E-04	Onsite	Non-Resident
R2868	488,415	3,626,912	1.76E-01	5.69E-04	Onsite	Non-Resident
R2869	488,440	3,626,912	1.82E-01	5.87E-04	Onsite	Non-Resident
R2870	488,465	3,626,912	1.87E-01	6.06E-04	Onsite	Non-Resident
R2871	488,490	3,626,912	1.94E-01	6.26E-04	Onsite	Non-Resident
R2872	488,515	3,626,912	2.00E-01	6.47E-04	Onsite	Non-Resident
R2873	488,540	3,626,912	2.07E-01	6.70E-04	Onsite	Non-Resident
R2874	488,565	3,626,912	2.14E-01	6.93E-04	Onsite	Non-Resident
R2875	488,590	3,626,912	2.22E-01	7.17E-04	Onsite	Non-Resident
R2876	488,615	3,626,912	2.30E-01	7.43E-04	Onsite	Non-Resident
R2877	488,640	3,626,912	2.38E-01	7.70E-04	Onsite	Non-Resident
R2878	488,665	3,626,912	2.47E-01	7.98E-04	Onsite	Non-Resident
R2879	488,690	3,626,912	2.56E-01	8.27E-04	Onsite	Non-Resident
R2880	488,715	3,626,912	2.65E-01	8.58E-04	Onsite	Non-Resident
R2881	488,740	3,626,912	2.76E-01	8.91E-04	Onsite	Non-Resident
R2933	488,440	3,626,937	1.75E-01	5.66E-04	Onsite	Non-Resident
R2934	488,465	3,626,937	1.81E-01	5.84E-04	Onsite	Non-Resident
R2935	488,490	3,626,937	1.86E-01	6.03E-04	Onsite	Non-Resident
R2936	488,515	3,626,937	1.93E-01	6.23E-04	Onsite	Non-Resident
R2937	488,540	3,626,937	1.99E-01	6.44E-04	Onsite	Non-Resident
R2938	488,565	3,626,937	2.06E-01	6.65E-04	Onsite	Non-Resident
R2939	488,590	3,626,937	2.13E-01	6.88E-04	Onsite	Non-Resident
R2940	488,615	3,626,937	2.20E-01	7.12E-04	Onsite	Non-Resident
R2941	488,640	3,626,937	2.28E-01	7.37E-04	Onsite	Non-Resident
R2942	488,665	3,626,937	2.36E-01	7.63E-04	Onsite	Non-Resident
R2943	488,690	3,626,937	2.45E-01	7.91E-04	Onsite	Non-Resident
R2944	488,715	3,626,937	2.53E-01	8.19E-04	Onsite	Non-Resident
R2945	488,740	3,626,937	2.63E-01	8.49E-04	Onsite	Non-Resident
R2946	488,765	3,626,937	2.72E-01	8.81E-04	Onsite	Non-Resident
R2947	488,790	3,626,937	2.83E-01	9.13E-04	Onsite	Non-Resident
R2997	488,490	3,626,962	1.80E-01	5.82E-04	Onsite	Non-Resident
R2998	488,515	3,626,962	1.86E-01	6.01E-04	Onsite	Non-Resident
R2999	488,540	3,626,962	1.92E-01	6.21E-04	Onsite	Non-Resident
R3000	488,565	3,626,962	1.98E-01	6.41E-04	Onsite	Non-Resident
R3001	488,590	3,626,962	2.05E-01	6.63E-04	Onsite	Non-Resident
R3002	488,615	3,626,962	2.12E-01	6.86E-04	Onsite	Non-Resident
R3003	488,640	3,626,962	2.19E-01	7.09E-04	Onsite	Non-Resident
R3004	488,665	3,626,962	2.27E-01	7.34E-04	Onsite	Non-Resident
R3005	488,690	3,626,962	2.35E-01	7.60E-04	Onsite	Non-Resident
R3006	488,715	3,626,962	2.43E-01	7.87E-04	Onsite	Non-Resident
R3007	488,740	3,626,962	2.52E-01	8.15E-04	Onsite	Non-Resident
R3008	488,765	3,626,962	2.61E-01	8.45E-04	Onsite	Non-Resident
R3009	488,790	3,626,962	2.71E-01	8.75E-04	Onsite	Non-Resident
R3010	488,815	3,626,962	2.81E-01	9.08E-04	Onsite	Non-Resident
R3011	488,840	3,626,962	2.91E-01	9.41E-04	Onsite	Non-Resident
R3012	488,865	3,626,962	3.03E-01	9.78E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3058	488,515	3,626,987	1.80E-01	5.81E-04	Onsite	Non-Resident
R3059	488,540	3,626,987	1.86E-01	6.01E-04	Onsite	Non-Resident
R3060	488,565	3,626,987	1.92E-01	6.20E-04	Onsite	Non-Resident
R3061	488,590	3,626,987	1.98E-01	6.41E-04	Onsite	Non-Resident
R3062	488,615	3,626,987	2.05E-01	6.63E-04	Onsite	Non-Resident
R3063	488,640	3,626,987	2.12E-01	6.85E-04	Onsite	Non-Resident
R3064	488,665	3,626,987	2.19E-01	7.09E-04	Onsite	Non-Resident
R3065	488,690	3,626,987	2.27E-01	7.33E-04	Onsite	Non-Resident
R3066	488,715	3,626,987	2.35E-01	7.59E-04	Onsite	Non-Resident
R3067	488,740	3,626,987	2.43E-01	7.86E-04	Onsite	Non-Resident
R3068	488,765	3,626,987	2.52E-01	8.14E-04	Onsite	Non-Resident
R3069	488,790	3,626,987	2.61E-01	8.44E-04	Onsite	Non-Resident
R3070	488,815	3,626,987	2.71E-01	8.75E-04	Onsite	Non-Resident
R3071	488,840	3,626,987	2.81E-01	9.08E-04	Onsite	Non-Resident
R3072	488,865	3,626,987	2.92E-01	9.42E-04	Onsite	Non-Resident
R3073	488,890	3,626,987	3.03E-01	9.78E-04	Onsite	Non-Resident
R3074	488,915	3,626,987	3.14E-01	1.02E-03	Onsite	Non-Resident
R3075	488,940	3,626,987	3.27E-01	1.06E-03	Onsite	Non-Resident
R3076	488,965	3,626,987	3.39E-01	1.10E-03	Onsite	Non-Resident
R3118	488,565	3,627,012	1.86E-01	6.01E-04	Onsite	Non-Resident
R3119	488,590	3,627,012	1.92E-01	6.21E-04	Onsite	Non-Resident
R3120	488,615	3,627,012	1.99E-01	6.42E-04	Onsite	Non-Resident
R3121	488,640	3,627,012	2.05E-01	6.64E-04	Onsite	Non-Resident
R3122	488,665	3,627,012	2.12E-01	6.87E-04	Onsite	Non-Resident
R3123	488,690	3,627,012	2.20E-01	7.10E-04	Onsite	Non-Resident
R3124	488,715	3,627,012	2.28E-01	7.35E-04	Onsite	Non-Resident
R3125	488,740	3,627,012	2.36E-01	7.62E-04	Onsite	Non-Resident
R3126	488,765	3,627,012	2.44E-01	7.89E-04	Onsite	Non-Resident
R3127	488,790	3,627,012	2.53E-01	8.18E-04	Onsite	Non-Resident
R3128	488,815	3,627,012	2.62E-01	8.48E-04	Onsite	Non-Resident
R3129	488,840	3,627,012	2.72E-01	8.80E-04	Onsite	Non-Resident
R3130	488,865	3,627,012	2.83E-01	9.14E-04	Onsite	Non-Resident
R3131	488,890	3,627,012	2.94E-01	9.49E-04	Onsite	Non-Resident
R3132	488,915	3,627,012	3.05E-01	9.87E-04	Onsite	Non-Resident
R3133	488,940	3,627,012	3.18E-01	1.03E-03	Onsite	Non-Resident
R3134	488,965	3,627,012	3.30E-01	1.07E-03	Onsite	Non-Resident
R3135	488,990	3,627,012	3.45E-01	1.11E-03	Onsite	Non-Resident
R3136	489,015	3,627,012	3.60E-01	1.16E-03	Onsite	Non-Resident
R3137	489,040	3,627,012	3.78E-01	1.22E-03	Onsite	Non-Resident
R3175	488,615	3,627,037	1.93E-01	6.24E-04	Onsite	Non-Resident
R3176	488,640	3,627,037	2.00E-01	6.45E-04	Onsite	Non-Resident
R3177	488,665	3,627,037	2.06E-01	6.67E-04	Onsite	Non-Resident
R3178	488,690	3,627,037	2.14E-01	6.90E-04	Onsite	Non-Resident
R3179	488,715	3,627,037	2.21E-01	7.15E-04	Onsite	Non-Resident
R3180	488,740	3,627,037	2.29E-01	7.40E-04	Onsite	Non-Resident
R3181	488,765	3,627,037	2.37E-01	7.67E-04	Onsite	Non-Resident
R3182	488,790	3,627,037	2.46E-01	7.96E-04	Onsite	Non-Resident
R3183	488,815	3,627,037	2.55E-01	8.25E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3184	488,840	3,627,037	2.65E-01	8.57E-04	Onsite	Non-Resident
R3185	488,865	3,627,037	2.75E-01	8.90E-04	Onsite	Non-Resident
R3186	488,890	3,627,037	2.86E-01	9.25E-04	Onsite	Non-Resident
R3187	488,915	3,627,037	2.98E-01	9.63E-04	Onsite	Non-Resident
R3188	488,940	3,627,037	3.10E-01	1.00E-03	Onsite	Non-Resident
R3189	488,965	3,627,037	3.23E-01	1.05E-03	Onsite	Non-Resident
R3190	488,990	3,627,037	3.38E-01	1.09E-03	Onsite	Non-Resident
R3191	489,015	3,627,037	3.53E-01	1.14E-03	Onsite	Non-Resident
R3192	489,040	3,627,037	3.70E-01	1.20E-03	Onsite	Non-Resident
R3193	489,065	3,627,037	3.89E-01	1.26E-03	Onsite	Non-Resident
R3194	489,090	3,627,037	4.11E-01	1.33E-03	Onsite	Non-Resident
R3195	489,115	3,627,037	4.37E-01	1.41E-03	Onsite	Non-Resident
R3196	489,140	3,627,037	4.68E-01	1.51E-03	Onsite	Non-Resident
R3197	489,165	3,627,037	5.02E-01	1.62E-03	Onsite	Non-Resident
R3229	488,665	3,627,062	2.01E-01	6.50E-04	Onsite	Non-Resident
R3230	488,690	3,627,062	2.08E-01	6.73E-04	Onsite	Non-Resident
R3231	488,715	3,627,062	2.15E-01	6.96E-04	Onsite	Non-Resident
R3232	488,740	3,627,062	2.23E-01	7.22E-04	Onsite	Non-Resident
R3233	488,765	3,627,062	2.31E-01	7.48E-04	Onsite	Non-Resident
R3234	488,790	3,627,062	2.39E-01	7.74E-04	Onsite	Non-Resident
R3235	488,815	3,627,062	2.49E-01	8.05E-04	Onsite	Non-Resident
R3236	488,840	3,627,062	2.59E-01	8.37E-04	Onsite	Non-Resident
R3237	488,865	3,627,062	2.69E-01	8.70E-04	Onsite	Non-Resident
R3238	488,890	3,627,062	2.80E-01	9.05E-04	Onsite	Non-Resident
R3239	488,915	3,627,062	2.92E-01	9.43E-04	Onsite	Non-Resident
R3240	488,940	3,627,062	3.04E-01	9.83E-04	Onsite	Non-Resident
R3241	488,965	3,627,062	3.18E-01	1.03E-03	Onsite	Non-Resident
R3242	488,990	3,627,062	3.32E-01	1.07E-03	Onsite	Non-Resident
R3243	489,015	3,627,062	3.48E-01	1.12E-03	Onsite	Non-Resident
R3244	489,040	3,627,062	3.65E-01	1.18E-03	Onsite	Non-Resident
R3245	489,065	3,627,062	3.85E-01	1.24E-03	Onsite	Non-Resident
R3246	489,090	3,627,062	4.07E-01	1.32E-03	Onsite	Non-Resident
R3247	489,115	3,627,062	4.33E-01	1.40E-03	Onsite	Non-Resident
R3248	489,140	3,627,062	4.64E-01	1.50E-03	Onsite	Non-Resident
R3249	489,165	3,627,062	5.01E-01	1.62E-03	Onsite	Non-Resident
R3250	489,190	3,627,062	5.45E-01	1.76E-03	Onsite	Non-Resident
R3251	489,215	3,627,062	6.02E-01	1.94E-03	Onsite	Non-Resident
R3252	489,240	3,627,062	6.75E-01	2.18E-03	Onsite	Non-Resident
R3253	489,265	3,627,062	7.84E-01	2.53E-03	Onsite	Non-Resident
R3280	488,740	3,627,087	2.17E-01	7.02E-04	Onsite	Non-Resident
R3281	488,765	3,627,087	2.25E-01	7.28E-04	Onsite	Non-Resident
R3282	488,790	3,627,087	2.34E-01	7.56E-04	Onsite	Non-Resident
R3283	488,815	3,627,087	2.43E-01	7.86E-04	Onsite	Non-Resident
R3284	488,840	3,627,087	2.53E-01	8.17E-04	Onsite	Non-Resident
R3285	488,865	3,627,087	2.63E-01	8.51E-04	Onsite	Non-Resident
R3286	488,890	3,627,087	2.74E-01	8.87E-04	Onsite	Non-Resident
R3287	488,915	3,627,087	2.87E-01	9.27E-04	Onsite	Non-Resident
R3288	488,940	3,627,087	3.00E-01	9.68E-04	Onsite	Non-Resident



Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3289	488,965	3,627,087	3.77E+00	1.01E-03	Onsite	Resident
R3290	488,990	3,627,087	3.28E-01	1.06E-03	Onsite	Non-Resident
R3291	489,015	3,627,087	3.44E-01	1.11E-03	Onsite	Non-Resident
R3292	489,040	3,627,087	3.62E-01	1.17E-03	Onsite	Non-Resident
R3293	489,065	3,627,087	3.82E-01	1.24E-03	Onsite	Non-Resident
R3294	489,090	3,627,087	4.05E-01	1.31E-03	Onsite	Non-Resident
R3295	489,115	3,627,087	4.32E-01	1.40E-03	Onsite	Non-Resident
R3296	489,140	3,627,087	4.64E-01	1.50E-03	Onsite	Non-Resident
R3297	489,165	3,627,087	5.03E-01	1.63E-03	Onsite	Non-Resident
R3298	489,190	3,627,087	5.51E-01	1.78E-03	Onsite	Non-Resident
R3299	489,215	3,627,087	6.11E-01	1.97E-03	Onsite	Non-Resident
R3300	489,240	3,627,087	6.90E-01	2.23E-03	Onsite	Non-Resident
R3301	489,265	3,627,087	8.10E-01	2.62E-03	Onsite	Non-Resident
R3327	488,815	3,627,112	2.38E-01	7.70E-04	Onsite	Non-Resident
R3328	488,840	3,627,112	2.98E+00	8.02E-04	Onsite	Resident
R3329	488,865	3,627,112	3.11E+00	8.36E-04	Onsite	Resident
R3330	488,890	3,627,112	2.70E-01	8.72E-04	Onsite	Non-Resident
R3331	488,915	3,627,112	3.39E+00	9.12E-04	Onsite	Resident
R3332	488,940	3,627,112	3.56E+00	9.56E-04	Onsite	Resident
R3333	488,965	3,627,112	3.73E+00	1.00E-03	Onsite	Resident
R3334	488,990	3,627,112	3.25E-01	1.05E-03	Onsite	Non-Resident
R3335	489,015	3,627,112	3.42E-01	1.10E-03	Onsite	Non-Resident
R3336	489,040	3,627,112	3.60E-01	1.16E-03	Onsite	Non-Resident
R3337	489,065	3,627,112	3.81E-01	1.23E-03	Onsite	Non-Resident
R3338	489,090	3,627,112	4.05E-01	1.31E-03	Onsite	Non-Resident
R3339	489,115	3,627,112	4.33E-01	1.40E-03	Onsite	Non-Resident
R3340	489,140	3,627,112	4.67E-01	1.51E-03	Onsite	Non-Resident
R3341	489,165	3,627,112	5.08E-01	1.64E-03	Onsite	Non-Resident
R3342	489,190	3,627,112	5.59E-01	1.81E-03	Onsite	Non-Resident
R3343	489,215	3,627,112	6.23E-01	2.01E-03	Onsite	Non-Resident
R3344	489,240	3,627,112	7.09E-01	2.29E-03	Onsite	Non-Resident
R3345	489,265	3,627,112	8.35E-01	2.70E-03	Onsite	Non-Resident
R3370	488,915	3,627,137	3.35E+00	9.00E-04	Onsite	Resident
R3371	488,940	3,627,137	3.51E+00	9.43E-04	Onsite	Resident
R3372	488,965	3,627,137	3.69E+00	9.92E-04	Onsite	Resident
R3373	488,990	3,627,137	3.23E-01	1.04E-03	Onsite	Non-Resident
R3374	489,015	3,627,137	3.40E-01	1.10E-03	Onsite	Non-Resident
R3375	489,040	3,627,137	3.59E-01	1.16E-03	Onsite	Non-Resident
R3376	489,065	3,627,137	3.81E-01	1.23E-03	Onsite	Non-Resident
R3377	489,090	3,627,137	4.06E-01	1.31E-03	Onsite	Non-Resident
R3378	489,115	3,627,137	4.35E-01	1.41E-03	Onsite	Non-Resident
R3379	489,140	3,627,137	4.71E-01	1.52E-03	Onsite	Non-Resident
R3380	489,165	3,627,137	5.14E-01	1.66E-03	Onsite	Non-Resident
R3381	489,190	3,627,137	5.69E-01	1.84E-03	Onsite	Non-Resident
R3382	489,215	3,627,137	6.39E-01	2.06E-03	Onsite	Non-Resident
R3383	489,240	3,627,137	7.33E-01	2.37E-03	Onsite	Non-Resident
R3384	489,265	3,627,137	8.70E-01	2.81E-03	Onsite	Non-Resident
R3407	488,940	3,627,162	3.48E+00	9.34E-04	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3408	488,965	3,627,162	3.66E+00	9.84E-04	Onsite	Resident
R3409	488,990	3,627,162	3.21E-01	1.04E-03	Onsite	Non-Resident
R3410	489,015	3,627,162	3.39E-01	1.10E-03	Onsite	Non-Resident
R3411	489,040	3,627,162	3.59E-01	1.16E-03	Onsite	Non-Resident
R3412	489,065	3,627,162	3.82E-01	1.23E-03	Onsite	Non-Resident
R3413	489,090	3,627,162	4.07E-01	1.32E-03	Onsite	Non-Resident
R3414	489,115	3,627,162	4.38E-01	1.42E-03	Onsite	Non-Resident
R3415	489,140	3,627,162	4.76E-01	1.54E-03	Onsite	Non-Resident
R3416	489,165	3,627,162	5.23E-01	1.69E-03	Onsite	Non-Resident
R3417	489,190	3,627,162	5.81E-01	1.88E-03	Onsite	Non-Resident
R3418	489,215	3,627,162	6.57E-01	2.12E-03	Onsite	Non-Resident
R3419	489,240	3,627,162	7.61E-01	2.46E-03	Onsite	Non-Resident
R3420	489,265	3,627,162	9.15E-01	2.96E-03	Onsite	Non-Resident
R3442	488,915	3,627,187	2.72E-01	8.80E-04	Onsite	Non-Resident
R3443	488,940	3,627,187	2.87E-01	9.26E-04	Onsite	Non-Resident
R3444	488,965	3,627,187	3.02E-01	9.77E-04	Onsite	Non-Resident
R3445	488,990	3,627,187	3.20E-01	1.03E-03	Onsite	Non-Resident
R3446	489,015	3,627,187	3.38E-01	1.09E-03	Onsite	Non-Resident
R3447	489,040	3,627,187	3.59E-01	1.16E-03	Onsite	Non-Resident
R3448	489,065	3,627,187	3.83E-01	1.24E-03	Onsite	Non-Resident
R3449	489,090	3,627,187	4.10E-01	1.33E-03	Onsite	Non-Resident
R3450	489,115	3,627,187	4.42E-01	1.43E-03	Onsite	Non-Resident
R3451	489,140	3,627,187	4.82E-01	1.56E-03	Onsite	Non-Resident
R3452	489,165	3,627,187	5.32E-01	1.72E-03	Onsite	Non-Resident
R3453	489,190	3,627,187	5.95E-01	1.92E-03	Onsite	Non-Resident
R3454	489,215	3,627,187	6.78E-01	2.19E-03	Onsite	Non-Resident
R3455	489,240	3,627,187	7.93E-01	2.56E-03	Onsite	Non-Resident
R3456	489,265	3,627,187	9.68E-01	3.13E-03	Onsite	Non-Resident
R3477	488,915	3,627,212	2.70E-01	8.72E-04	Onsite	Non-Resident
R3478	488,940	3,627,212	3.42E+00	9.19E-04	Onsite	Resident
R3479	488,965	3,627,212	3.61E+00	9.71E-04	Onsite	Resident
R3480	488,990	3,627,212	3.83E+00	1.03E-03	Onsite	Resident
R3481	489,015	3,627,212	4.07E+00	1.09E-03	Onsite	Resident
R3482	489,040	3,627,212	4.33E+00	1.16E-03	Onsite	Resident
R3483	489,065	3,627,212	3.85E-01	1.24E-03	Onsite	Non-Resident
R3484	489,090	3,627,212	4.13E-01	1.33E-03	Onsite	Non-Resident
R3485	489,115	3,627,212	4.47E-01	1.45E-03	Onsite	Non-Resident
R3486	489,140	3,627,212	4.89E-01	1.58E-03	Onsite	Non-Resident
R3487	489,165	3,627,212	5.42E-01	1.75E-03	Onsite	Non-Resident
R3488	489,190	3,627,212	6.11E-01	1.97E-03	Onsite	Non-Resident
R3489	489,215	3,627,212	7.01E-01	2.27E-03	Onsite	Non-Resident
R3490	489,240	3,627,212	8.30E-01	2.68E-03	Onsite	Non-Resident
R3491	489,265	3,627,212	1.03E+00	3.33E-03	Onsite	Non-Resident
R3512	488,915	3,627,237	2.67E-01	8.64E-04	Onsite	Non-Resident
R3513	488,940	3,627,237	3.40E+00	9.13E-04	Onsite	Resident
R3514	488,965	3,627,237	3.60E+00	9.66E-04	Onsite	Resident
R3515	488,990	3,627,237	3.82E+00	1.03E-03	Onsite	Resident
R3516	489,015	3,627,237	4.07E+00	1.09E-03	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3517	489,040	3,627,237	3.61E-01	1.17E-03	Onsite	Non-Resident
R3518	489,065	3,627,237	3.87E-01	1.25E-03	Onsite	Non-Resident
R3519	489,090	3,627,237	4.16E-01	1.35E-03	Onsite	Non-Resident
R3520	489,115	3,627,237	4.52E-01	1.46E-03	Onsite	Non-Resident
R3521	489,140	3,627,237	4.97E-01	1.61E-03	Onsite	Non-Resident
R3522	489,165	3,627,237	5.54E-01	1.79E-03	Onsite	Non-Resident
R3523	489,190	3,627,237	6.28E-01	2.03E-03	Onsite	Non-Resident
R3524	489,215	3,627,237	7.28E-01	2.35E-03	Onsite	Non-Resident
R3525	489,240	3,627,237	8.73E-01	2.82E-03	Onsite	Non-Resident
R3547	488,890	3,627,262	3.02E+00	8.13E-04	Onsite	Resident
R3548	488,915	3,627,262	2.65E-01	8.57E-04	Onsite	Non-Resident
R3549	488,940	3,627,262	3.37E+00	9.06E-04	Onsite	Resident
R3550	488,965	3,627,262	3.58E+00	9.61E-04	Onsite	Resident
R3551	488,990	3,627,262	3.81E+00	1.02E-03	Onsite	Resident
R3552	489,015	3,627,262	3.38E-01	1.09E-03	Onsite	Non-Resident
R3553	489,040	3,627,262	3.62E-01	1.17E-03	Onsite	Non-Resident
R3554	489,065	3,627,262	3.89E-01	1.26E-03	Onsite	Non-Resident
R3555	489,090	3,627,262	4.20E-01	1.36E-03	Onsite	Non-Resident
R3556	489,115	3,627,262	4.58E-01	1.48E-03	Onsite	Non-Resident
R3557	489,140	3,627,262	5.06E-01	1.63E-03	Onsite	Non-Resident
R3558	489,165	3,627,262	5.67E-01	1.83E-03	Onsite	Non-Resident
R3559	489,190	3,627,262	6.47E-01	2.09E-03	Onsite	Non-Resident
R3560	489,215	3,627,262	7.58E-01	2.45E-03	Onsite	Non-Resident
R3561	489,240	3,627,262	9.22E-01	2.98E-03	Onsite	Non-Resident
R3583	488,890	3,627,287	2.99E+00	8.05E-04	Onsite	Resident
R3584	488,915	3,627,287	2.63E-01	8.49E-04	Onsite	Non-Resident
R3585	488,940	3,627,287	3.35E+00	9.00E-04	Onsite	Resident
R3586	488,965	3,627,287	2.96E-01	9.56E-04	Onsite	Non-Resident
R3587	488,990	3,627,287	3.16E-01	1.02E-03	Onsite	Non-Resident
R3588	489,015	3,627,287	3.38E-01	1.09E-03	Onsite	Non-Resident
R3589	489,040	3,627,287	3.62E-01	1.17E-03	Onsite	Non-Resident
R3590	489,065	3,627,287	3.91E-01	1.26E-03	Onsite	Non-Resident
R3591	489,090	3,627,287	4.23E-01	1.37E-03	Onsite	Non-Resident
R3592	489,115	3,627,287	5.57E+00	1.50E-03	Onsite	Resident
R3593	489,140	3,627,287	5.14E-01	1.66E-03	Onsite	Non-Resident
R3594	489,165	3,627,287	5.80E-01	1.88E-03	Onsite	Non-Resident
R3595	489,190	3,627,287	6.68E-01	2.16E-03	Onsite	Non-Resident
R3596	489,215	3,627,287	7.92E-01	2.56E-03	Onsite	Non-Resident
R3597	489,240	3,627,287	9.80E-01	3.17E-03	Onsite	Non-Resident
R3618	488,890	3,627,312	2.96E+00	7.96E-04	Onsite	Resident
R3619	488,915	3,627,312	2.61E-01	8.42E-04	Onsite	Non-Resident
R3620	488,940	3,627,312	2.77E-01	8.94E-04	Onsite	Non-Resident
R3621	488,965	3,627,312	2.94E-01	9.51E-04	Onsite	Non-Resident
R3622	488,990	3,627,312	3.15E-01	1.02E-03	Onsite	Non-Resident
R3623	489,015	3,627,312	3.37E-01	1.09E-03	Onsite	Non-Resident
R3624	489,040	3,627,312	4.36E+00	1.17E-03	Onsite	Resident
R3625	489,065	3,627,312	4.71E+00	1.27E-03	Onsite	Resident
R3626	489,090	3,627,312	4.26E-01	1.38E-03	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3627	489,115	3,627,312	5.64E+00	1.52E-03	Onsite	Resident
R3628	489,140	3,627,312	5.23E-01	1.69E-03	Onsite	Non-Resident
R3629	489,165	3,627,312	5.93E-01	1.92E-03	Onsite	Non-Resident
R3630	489,190	3,627,312	6.89E-01	2.23E-03	Onsite	Non-Resident
R3631	489,215	3,627,312	8.27E-01	2.67E-03	Onsite	Non-Resident
R3632	489,240	3,627,312	1.05E+00	3.39E-03	Onsite	Non-Resident
R3653	488,890	3,627,337	2.93E+00	7.87E-04	Onsite	Resident
R3654	488,915	3,627,337	2.58E-01	8.34E-04	Onsite	Non-Resident
R3655	488,940	3,627,337	2.74E-01	8.87E-04	Onsite	Non-Resident
R3656	488,965	3,627,337	2.93E-01	9.45E-04	Onsite	Non-Resident
R3657	488,990	3,627,337	3.77E+00	1.01E-03	Onsite	Resident
R3658	489,015	3,627,337	3.36E-01	1.09E-03	Onsite	Non-Resident
R3659	489,040	3,627,337	4.36E+00	1.17E-03	Onsite	Resident
R3660	489,065	3,627,337	4.73E+00	1.27E-03	Onsite	Resident
R3661	489,090	3,627,337	4.29E-01	1.39E-03	Onsite	Non-Resident
R3662	489,115	3,627,337	5.70E+00	1.53E-03	Onsite	Resident
R3663	489,140	3,627,337	5.30E-01	1.71E-03	Onsite	Non-Resident
R3664	489,165	3,627,337	6.06E-01	1.96E-03	Onsite	Non-Resident
R3665	489,190	3,627,337	7.09E-01	2.29E-03	Onsite	Non-Resident
R3666	489,215	3,627,337	8.61E-01	2.78E-03	Onsite	Non-Resident
R3667	489,240	3,627,337	1.10E+00	3.56E-03	Onsite	Non-Resident
R3688	488,890	3,627,362	2.90E+00	7.78E-04	Onsite	Resident
R3689	488,915	3,627,362	3.07E+00	8.26E-04	Onsite	Resident
R3690	488,940	3,627,362	3.27E+00	8.79E-04	Onsite	Resident
R3691	488,965	3,627,362	3.50E+00	9.39E-04	Onsite	Resident
R3692	488,990	3,627,362	3.74E+00	1.01E-03	Onsite	Resident
R3693	489,015	3,627,362	3.35E-01	1.08E-03	Onsite	Non-Resident
R3694	489,040	3,627,362	4.35E+00	1.17E-03	Onsite	Resident
R3695	489,065	3,627,362	4.73E+00	1.27E-03	Onsite	Resident
R3696	489,090	3,627,362	4.31E-01	1.39E-03	Onsite	Non-Resident
R3697	489,115	3,627,362	5.74E+00	1.54E-03	Onsite	Resident
R3698	489,140	3,627,362	5.37E-01	1.74E-03	Onsite	Non-Resident
R3699	489,165	3,627,362	6.17E-01	1.99E-03	Onsite	Non-Resident
R3700	489,190	3,627,362	7.27E-01	2.35E-03	Onsite	Non-Resident
R3701	489,215	3,627,362	8.91E-01	2.88E-03	Onsite	Non-Resident
R3723	488,890	3,627,387	2.86E+00	7.69E-04	Onsite	Resident
R3724	488,915	3,627,387	3.04E+00	8.17E-04	Onsite	Resident
R3725	488,940	3,627,387	3.24E+00	8.71E-04	Onsite	Resident
R3726	488,965	3,627,387	3.46E+00	9.31E-04	Onsite	Resident
R3727	488,990	3,627,387	3.72E+00	9.98E-04	Onsite	Resident
R3728	489,015	3,627,387	3.33E-01	1.08E-03	Onsite	Non-Resident
R3729	489,040	3,627,387	4.34E+00	1.17E-03	Onsite	Resident
R3730	489,065	3,627,387	4.73E+00	1.27E-03	Onsite	Resident
R3731	489,090	3,627,387	5.20E+00	1.40E-03	Onsite	Resident
R3732	489,115	3,627,387	5.78E+00	1.55E-03	Onsite	Resident
R3733	489,140	3,627,387	5.43E-01	1.75E-03	Onsite	Non-Resident
R3734	489,165	3,627,387	6.26E-01	2.02E-03	Onsite	Non-Resident
R3735	489,190	3,627,387	7.41E-01	2.40E-03	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3736	489,215	3,627,387	9.17E-01	2.96E-03	Onsite	Non-Resident
R3757	488,890	3,627,412	2.82E+00	7.58E-04	Onsite	Resident
R3758	488,915	3,627,412	3.00E+00	8.07E-04	Onsite	Resident
R3759	488,940	3,627,412	3.20E+00	8.60E-04	Onsite	Resident
R3760	488,965	3,627,412	3.43E+00	9.21E-04	Onsite	Resident
R3761	488,990	3,627,412	3.68E+00	9.89E-04	Onsite	Resident
R3762	489,015	3,627,412	3.30E-01	1.07E-03	Onsite	Non-Resident
R3763	489,040	3,627,412	4.31E+00	1.16E-03	Onsite	Resident
R3764	489,065	3,627,412	4.72E+00	1.27E-03	Onsite	Resident
R3765	489,090	3,627,412	5.20E+00	1.40E-03	Onsite	Resident
R3766	489,115	3,627,412	5.81E+00	1.56E-03	Onsite	Resident
R3767	489,140	3,627,412	5.47E-01	1.77E-03	Onsite	Non-Resident
R3768	489,165	3,627,412	6.33E-01	2.05E-03	Onsite	Non-Resident
R3769	489,190	3,627,412	7.54E-01	2.44E-03	Onsite	Non-Resident
R3770	489,215	3,627,412	9.40E-01	3.04E-03	Onsite	Non-Resident
R3791	488,890	3,627,437	2.78E+00	7.46E-04	Onsite	Resident
R3792	488,915	3,627,437	2.96E+00	7.94E-04	Onsite	Resident
R3793	488,940	3,627,437	3.16E+00	8.48E-04	Onsite	Resident
R3794	488,965	3,627,437	3.38E+00	9.09E-04	Onsite	Resident
R3795	488,990	3,627,437	3.64E+00	9.78E-04	Onsite	Resident
R3796	489,015	3,627,437	3.27E-01	1.06E-03	Onsite	Non-Resident
R3797	489,040	3,627,437	4.29E+00	1.15E-03	Onsite	Resident
R3798	489,065	3,627,437	4.70E+00	1.26E-03	Onsite	Resident
R3799	489,090	3,627,437	5.20E+00	1.40E-03	Onsite	Resident
R3800	489,115	3,627,437	5.82E+00	1.56E-03	Onsite	Resident
R3801	489,140	3,627,437	5.50E-01	1.78E-03	Onsite	Non-Resident
R3802	489,165	3,627,437	6.39E-01	2.06E-03	Onsite	Non-Resident
R3803	489,190	3,627,437	7.64E-01	2.47E-03	Onsite	Non-Resident
R3804	489,215	3,627,437	9.59E-01	3.10E-03	Onsite	Non-Resident
R3825	488,890	3,627,462	2.73E+00	7.33E-04	Onsite	Resident
R3826	488,915	3,627,462	2.90E+00	7.80E-04	Onsite	Resident
R3827	488,940	3,627,462	2.58E-01	8.34E-04	Onsite	Non-Resident
R3828	488,965	3,627,462	3.33E+00	8.95E-04	Onsite	Resident
R3829	488,990	3,627,462	3.59E+00	9.65E-04	Onsite	Resident
R3830	489,015	3,627,462	3.89E+00	1.05E-03	Onsite	Resident
R3831	489,040	3,627,462	4.25E+00	1.14E-03	Onsite	Resident
R3832	489,065	3,627,462	4.67E+00	1.25E-03	Onsite	Resident
R3833	489,090	3,627,462	4.31E-01	1.39E-03	Onsite	Non-Resident
R3834	489,115	3,627,462	4.83E-01	1.56E-03	Onsite	Non-Resident
R3835	489,140	3,627,462	5.51E-01	1.78E-03	Onsite	Non-Resident
R3836	489,165	3,627,462	6.43E-01	2.08E-03	Onsite	Non-Resident
R3837	489,190	3,627,462	7.72E-01	2.50E-03	Onsite	Non-Resident
R3838	489,215	3,627,462	9.86E-01	3.19E-03	Onsite	Non-Resident
R3859	488,890	3,627,487	2.67E+00	7.17E-04	Onsite	Resident
R3860	488,915	3,627,487	2.37E-01	7.65E-04	Onsite	Non-Resident
R3861	488,940	3,627,487	2.53E-01	8.19E-04	Onsite	Non-Resident
R3862	488,965	3,627,487	2.72E-01	8.80E-04	Onsite	Non-Resident
R3863	488,990	3,627,487	2.94E-01	9.51E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3864	489,015	3,627,487	3.84E+00	1.03E-03	Onsite	Resident
R3865	489,040	3,627,487	4.20E+00	1.13E-03	Onsite	Resident
R3866	489,065	3,627,487	4.63E+00	1.24E-03	Onsite	Resident
R3867	489,090	3,627,487	5.15E+00	1.38E-03	Onsite	Resident
R3868	489,115	3,627,487	4.82E-01	1.56E-03	Onsite	Non-Resident
R3869	489,140	3,627,487	6.62E+00	1.78E-03	Onsite	Resident
R3870	489,165	3,627,487	6.44E-01	2.08E-03	Onsite	Non-Resident
R3871	489,190	3,627,487	7.78E-01	2.51E-03	Onsite	Non-Resident
R3872	489,215	3,627,487	1.00E+00	3.25E-03	Onsite	Non-Resident
R3892	488,890	3,627,512	2.61E+00	7.01E-04	Onsite	Resident
R3893	488,915	3,627,512	2.78E+00	7.48E-04	Onsite	Resident
R3894	488,940	3,627,512	2.48E-01	8.02E-04	Onsite	Non-Resident
R3895	488,965	3,627,512	3.21E+00	8.64E-04	Onsite	Resident
R3896	488,990	3,627,512	3.48E+00	9.35E-04	Onsite	Resident
R3897	489,015	3,627,512	3.78E+00	1.02E-03	Onsite	Resident
R3898	489,040	3,627,512	4.14E+00	1.11E-03	Onsite	Resident
R3899	489,065	3,627,512	4.57E+00	1.23E-03	Onsite	Resident
R3900	489,090	3,627,512	5.10E+00	1.37E-03	Onsite	Resident
R3901	489,115	3,627,512	4.78E-01	1.55E-03	Onsite	Non-Resident
R3902	489,140	3,627,512	6.60E+00	1.77E-03	Onsite	Resident
R3903	489,165	3,627,512	7.75E+00	2.08E-03	Onsite	Resident
R3904	489,190	3,627,512	7.81E-01	2.52E-03	Onsite	Non-Resident
R3905	489,215	3,627,512	1.02E+00	3.29E-03	Onsite	Non-Resident
R3925	488,865	3,627,537	2.39E+00	6.42E-04	Onsite	Resident
R3926	488,890	3,627,537	2.55E+00	6.84E-04	Onsite	Resident
R3927	488,915	3,627,537	2.72E+00	7.31E-04	Onsite	Resident
R3928	488,940	3,627,537	2.43E-01	7.85E-04	Onsite	Non-Resident
R3929	488,965	3,627,537	3.15E+00	8.46E-04	Onsite	Resident
R3930	488,990	3,627,537	3.41E+00	9.17E-04	Onsite	Resident
R3931	489,015	3,627,537	3.71E+00	9.98E-04	Onsite	Resident
R3932	489,040	3,627,537	4.07E+00	1.09E-03	Onsite	Resident
R3933	489,065	3,627,537	4.51E+00	1.21E-03	Onsite	Resident
R3934	489,090	3,627,537	5.03E+00	1.35E-03	Onsite	Resident
R3935	489,115	3,627,537	4.74E-01	1.53E-03	Onsite	Non-Resident
R3936	489,140	3,627,537	6.55E+00	1.76E-03	Onsite	Resident
R3937	489,165	3,627,537	7.72E+00	2.07E-03	Onsite	Resident
R3938	489,190	3,627,537	7.82E-01	2.53E-03	Onsite	Non-Resident
R3939	489,215	3,627,537	1.02E+00	3.31E-03	Onsite	Non-Resident
R3959	488,865	3,627,562	1.94E-01	6.26E-04	Onsite	Non-Resident
R3960	488,890	3,627,562	2.48E+00	6.67E-04	Onsite	Resident
R3961	488,915	3,627,562	2.66E+00	7.14E-04	Onsite	Resident
R3962	488,940	3,627,562	2.37E-01	7.67E-04	Onsite	Non-Resident
R3963	488,965	3,627,562	3.08E+00	8.27E-04	Onsite	Resident
R3964	488,990	3,627,562	3.34E+00	8.97E-04	Onsite	Resident
R3965	489,015	3,627,562	3.64E+00	9.79E-04	Onsite	Resident
R3966	489,040	3,627,562	4.00E+00	1.07E-03	Onsite	Resident
R3967	489,065	3,627,562	4.43E+00	1.19E-03	Onsite	Resident
R3968	489,090	3,627,562	4.96E+00	1.33E-03	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3969	489,115	3,627,562	5.62E+00	1.51E-03	Onsite	Resident
R3970	489,140	3,627,562	6.49E+00	1.74E-03	Onsite	Resident
R3971	489,165	3,627,562	6.39E-01	2.06E-03	Onsite	Non-Resident
R3972	489,190	3,627,562	7.82E-01	2.53E-03	Onsite	Non-Resident
R3973	489,215	3,627,562	1.02E+00	3.29E-03	Onsite	Non-Resident
R3993	488,865	3,627,587	2.27E+00	6.09E-04	Onsite	Resident
R3994	488,890	3,627,587	2.42E+00	6.49E-04	Onsite	Resident
R3995	488,915	3,627,587	2.59E+00	6.95E-04	Onsite	Resident
R3996	488,940	3,627,587	2.78E+00	7.47E-04	Onsite	Resident
R3997	488,965	3,627,587	3.00E+00	8.06E-04	Onsite	Resident
R3998	488,990	3,627,587	3.26E+00	8.75E-04	Onsite	Resident
R3999	489,015	3,627,587	3.56E+00	9.56E-04	Onsite	Resident
R4000	489,040	3,627,587	3.25E-01	1.05E-03	Onsite	Non-Resident
R4001	489,065	3,627,587	4.34E+00	1.17E-03	Onsite	Resident
R4002	489,090	3,627,587	4.86E+00	1.31E-03	Onsite	Resident
R4003	489,115	3,627,587	5.52E+00	1.48E-03	Onsite	Resident
R4004	489,140	3,627,587	5.32E-01	1.72E-03	Onsite	Non-Resident
R4005	489,165	3,627,587	6.31E-01	2.04E-03	Onsite	Non-Resident
R4006	489,190	3,627,587	7.77E-01	2.51E-03	Onsite	Non-Resident
R4007	489,215	3,627,587	1.02E+00	3.30E-03	Onsite	Non-Resident
R4027	488,865	3,627,612	2.20E+00	5.90E-04	Onsite	Resident
R4028	488,890	3,627,612	2.34E+00	6.30E-04	Onsite	Resident
R4029	488,915	3,627,612	2.51E+00	6.74E-04	Onsite	Resident
R4030	488,940	3,627,612	2.70E+00	7.25E-04	Onsite	Resident
R4031	488,965	3,627,612	2.91E+00	7.83E-04	Onsite	Resident
R4032	488,990	3,627,612	3.17E+00	8.51E-04	Onsite	Resident
R4033	489,015	3,627,612	3.46E+00	9.30E-04	Onsite	Resident
R4034	489,040	3,627,612	3.17E-01	1.02E-03	Onsite	Non-Resident
R4035	489,065	3,627,612	3.52E-01	1.14E-03	Onsite	Non-Resident
R4036	489,090	3,627,612	3.95E-01	1.28E-03	Onsite	Non-Resident
R4037	489,115	3,627,612	4.49E-01	1.45E-03	Onsite	Non-Resident
R4038	489,140	3,627,612	5.23E-01	1.69E-03	Onsite	Non-Resident
R4039	489,165	3,627,612	6.28E-01	2.03E-03	Onsite	Non-Resident
R4063	488,890	3,627,637	2.27E+00	6.09E-04	Onsite	Resident
R4064	488,915	3,627,637	2.43E+00	6.52E-04	Onsite	Resident
R4065	488,940	3,627,637	2.61E+00	7.02E-04	Onsite	Resident
R4066	488,965	3,627,637	2.35E-01	7.58E-04	Onsite	Non-Resident
R4067	488,990	3,627,637	2.55E-01	8.24E-04	Onsite	Non-Resident
R4068	489,015	3,627,637	2.79E-01	9.01E-04	Onsite	Non-Resident
R4069	489,040	3,627,637	3.08E-01	9.94E-04	Onsite	Non-Resident
R4070	489,065	3,627,637	3.42E-01	1.11E-03	Onsite	Non-Resident
R4071	489,090	3,627,637	3.85E-01	1.25E-03	Onsite	Non-Resident
R4099	488,915	3,627,662	2.34E+00	6.29E-04	Onsite	Resident
R4100	488,940	3,627,662	2.52E+00	6.77E-04	Onsite	Resident
R4101	488,965	3,627,662	2.26E-01	7.31E-04	Onsite	Non-Resident
R4102	488,990	3,627,662	2.46E-01	7.95E-04	Onsite	Non-Resident
R4103	489,015	3,627,662	2.69E-01	8.70E-04	Onsite	Non-Resident
R4972	488,840	3,627,612	1.72E-01	5.56E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R4973	488,415	3,627,587	8.48E-02	2.74E-04	Onsite	Non-Resident
R4974	488,440	3,627,587	8.80E-02	2.84E-04	Onsite	Non-Resident
R4975	488,465	3,627,587	9.14E-02	2.95E-04	Onsite	Non-Resident
R4976	488,490	3,627,587	9.49E-02	3.07E-04	Onsite	Non-Resident
R4977	488,515	3,627,587	9.82E-02	3.17E-04	Onsite	Non-Resident
R4978	488,540	3,627,587	1.02E-01	3.29E-04	Onsite	Non-Resident
R4979	488,565	3,627,587	1.06E-01	3.41E-04	Onsite	Non-Resident
R4980	488,590	3,627,587	1.10E-01	3.55E-04	Onsite	Non-Resident
R4981	488,615	3,627,587	1.14E-01	3.69E-04	Onsite	Non-Resident
R4982	488,640	3,627,587	1.19E-01	3.85E-04	Onsite	Non-Resident
R4983	488,665	3,627,587	1.24E-01	4.02E-04	Onsite	Non-Resident
R4984	488,690	3,627,587	1.30E-01	4.20E-04	Onsite	Non-Resident
R4985	488,715	3,627,587	1.36E-01	4.40E-04	Onsite	Non-Resident
R4986	488,815	3,627,587	1.67E-01	5.40E-04	Onsite	Non-Resident
R4987	488,840	3,627,587	1.77E-01	5.73E-04	Onsite	Non-Resident
R4988	488,340	3,627,562	7.96E-02	2.57E-04	Onsite	Non-Resident
R4989	488,365	3,627,562	8.20E-02	2.65E-04	Onsite	Non-Resident
R4990	488,390	3,627,562	8.47E-02	2.74E-04	Onsite	Non-Resident
R4991	488,415	3,627,562	8.78E-02	2.84E-04	Onsite	Non-Resident
R4992	488,440	3,627,562	9.12E-02	2.95E-04	Onsite	Non-Resident
R4993	488,465	3,627,562	9.45E-02	3.05E-04	Onsite	Non-Resident
R4994	488,490	3,627,562	9.78E-02	3.16E-04	Onsite	Non-Resident
R4995	488,515	3,627,562	1.01E-01	3.27E-04	Onsite	Non-Resident
R4996	488,540	3,627,562	1.05E-01	3.39E-04	Onsite	Non-Resident
R4997	488,565	3,627,562	1.09E-01	3.52E-04	Onsite	Non-Resident
R4998	488,590	3,627,562	1.13E-01	3.66E-04	Onsite	Non-Resident
R4999	488,615	3,627,562	1.18E-01	3.81E-04	Onsite	Non-Resident
R5000	488,640	3,627,562	1.23E-01	3.97E-04	Onsite	Non-Resident
R5001	488,665	3,627,562	1.28E-01	4.14E-04	Onsite	Non-Resident
R5002	488,690	3,627,562	1.34E-01	4.33E-04	Onsite	Non-Resident
R5003	488,715	3,627,562	1.40E-01	4.53E-04	Onsite	Non-Resident
R5004	488,740	3,627,562	1.47E-01	4.76E-04	Onsite	Non-Resident
R5005	488,790	3,627,562	1.63E-01	5.27E-04	Onsite	Non-Resident
R5006	488,815	3,627,562	1.72E-01	5.56E-04	Onsite	Non-Resident
R5007	488,840	3,627,562	1.82E-01	5.89E-04	Onsite	Non-Resident
R5008	488,290	3,627,537	7.71E-02	2.49E-04	Onsite	Non-Resident
R5009	488,315	3,627,537	7.95E-02	2.57E-04	Onsite	Non-Resident
R5010	488,340	3,627,537	8.19E-02	2.65E-04	Onsite	Non-Resident
R5011	488,365	3,627,537	8.46E-02	2.73E-04	Onsite	Non-Resident
R5012	488,390	3,627,537	8.81E-02	2.85E-04	Onsite	Non-Resident
R5013	488,415	3,627,537	9.11E-02	2.95E-04	Onsite	Non-Resident
R5014	488,440	3,627,537	9.42E-02	3.04E-04	Onsite	Non-Resident
R5015	488,465	3,627,537	9.73E-02	3.15E-04	Onsite	Non-Resident
R5016	488,490	3,627,537	1.01E-01	3.25E-04	Onsite	Non-Resident
R5017	488,515	3,627,537	1.04E-01	3.37E-04	Onsite	Non-Resident
R5018	488,540	3,627,537	1.08E-01	3.49E-04	Onsite	Non-Resident
R5019	488,565	3,627,537	1.12E-01	3.63E-04	Onsite	Non-Resident
R5020	488,590	3,627,537	1.17E-01	3.77E-04	Onsite	Non-Resident



Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5021	488,615	3,627,537	1.21E-01	3.92E-04	Onsite	Non-Resident
R5022	488,640	3,627,537	1.26E-01	4.08E-04	Onsite	Non-Resident
R5023	488,665	3,627,537	1.32E-01	4.26E-04	Onsite	Non-Resident
R5024	488,690	3,627,537	1.38E-01	4.45E-04	Onsite	Non-Resident
R5025	488,715	3,627,537	1.44E-01	4.66E-04	Onsite	Non-Resident
R5026	488,740	3,627,537	1.51E-01	4.89E-04	Onsite	Non-Resident
R5027	488,765	3,627,537	1.59E-01	5.14E-04	Onsite	Non-Resident
R5028	488,790	3,627,537	1.67E-01	5.41E-04	Onsite	Non-Resident
R5029	488,815	3,627,537	1.77E-01	5.71E-04	Onsite	Non-Resident
R5030	488,840	3,627,537	1.87E-01	6.05E-04	Onsite	Non-Resident
R5031	488,290	3,627,512	7.93E-02	2.56E-04	Onsite	Non-Resident
R5032	488,315	3,627,512	8.19E-02	2.65E-04	Onsite	Non-Resident
R5033	488,340	3,627,512	8.45E-02	2.73E-04	Onsite	Non-Resident
R5034	488,365	3,627,512	8.80E-02	2.84E-04	Onsite	Non-Resident
R5035	488,390	3,627,512	9.09E-02	2.94E-04	Onsite	Non-Resident
R5036	488,415	3,627,512	9.38E-02	3.03E-04	Onsite	Non-Resident
R5037	488,440	3,627,512	9.69E-02	3.13E-04	Onsite	Non-Resident
R5038	488,465	3,627,512	1.00E-01	3.24E-04	Onsite	Non-Resident
R5039	488,490	3,627,512	1.04E-01	3.35E-04	Onsite	Non-Resident
R5040	488,515	3,627,512	1.07E-01	3.47E-04	Onsite	Non-Resident
R5041	488,540	3,627,512	1.11E-01	3.60E-04	Onsite	Non-Resident
R5042	488,565	3,627,512	1.16E-01	3.73E-04	Onsite	Non-Resident
R5043	488,590	3,627,512	1.20E-01	3.88E-04	Onsite	Non-Resident
R5044	488,615	3,627,512	1.25E-01	4.03E-04	Onsite	Non-Resident
R5045	488,640	3,627,512	1.30E-01	4.19E-04	Onsite	Non-Resident
R5046	488,665	3,627,512	1.35E-01	4.37E-04	Onsite	Non-Resident
R5047	488,690	3,627,512	1.41E-01	4.57E-04	Onsite	Non-Resident
R5048	488,715	3,627,512	1.48E-01	4.79E-04	Onsite	Non-Resident
R5049	488,740	3,627,512	1.55E-01	5.02E-04	Onsite	Non-Resident
R5050	488,765	3,627,512	1.63E-01	5.28E-04	Onsite	Non-Resident
R5051	488,790	3,627,512	1.72E-01	5.56E-04	Onsite	Non-Resident
R5052	488,815	3,627,512	1.82E-01	5.87E-04	Onsite	Non-Resident
R5053	488,840	3,627,512	1.92E-01	6.21E-04	Onsite	Non-Resident
R5054	488,865	3,627,512	2.45E+00	6.59E-04	Onsite	Resident
R5055	488,290	3,627,487	8.18E-02	2.64E-04	Onsite	Non-Resident
R5056	488,315	3,627,487	8.48E-02	2.74E-04	Onsite	Non-Resident
R5057	488,340	3,627,487	8.78E-02	2.84E-04	Onsite	Non-Resident
R5058	488,365	3,627,487	9.06E-02	2.93E-04	Onsite	Non-Resident
R5059	488,390	3,627,487	9.34E-02	3.02E-04	Onsite	Non-Resident
R5060	488,415	3,627,487	9.64E-02	3.12E-04	Onsite	Non-Resident
R5061	488,440	3,627,487	9.96E-02	3.22E-04	Onsite	Non-Resident
R5062	488,465	3,627,487	1.03E-01	3.33E-04	Onsite	Non-Resident
R5063	488,490	3,627,487	1.07E-01	3.45E-04	Onsite	Non-Resident
R5064	488,515	3,627,487	1.10E-01	3.57E-04	Onsite	Non-Resident
R5065	488,540	3,627,487	1.14E-01	3.70E-04	Onsite	Non-Resident
R5066	488,565	3,627,487	1.19E-01	3.83E-04	Onsite	Non-Resident
R5067	488,590	3,627,487	1.23E-01	3.98E-04	Onsite	Non-Resident
R5068	488,615	3,627,487	1.28E-01	4.14E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5069	488,640	3,627,487	1.33E-01	4.30E-04	Onsite	Non-Resident
R5070	488,665	3,627,487	1.39E-01	4.49E-04	Onsite	Non-Resident
R5071	488,690	3,627,487	1.45E-01	4.70E-04	Onsite	Non-Resident
R5072	488,715	3,627,487	1.52E-01	4.92E-04	Onsite	Non-Resident
R5073	488,740	3,627,487	1.60E-01	5.16E-04	Onsite	Non-Resident
R5074	488,765	3,627,487	1.68E-01	5.42E-04	Onsite	Non-Resident
R5075	488,790	3,627,487	2.12E+00	5.71E-04	Onsite	Resident
R5076	488,815	3,627,487	2.24E+00	6.02E-04	Onsite	Resident
R5077	488,840	3,627,487	2.37E+00	6.36E-04	Onsite	Resident
R5078	488,865	3,627,487	2.51E+00	6.75E-04	Onsite	Resident
R5079	488,315	3,627,462	8.77E-02	2.83E-04	Onsite	Non-Resident
R5080	488,340	3,627,462	9.04E-02	2.92E-04	Onsite	Non-Resident
R5081	488,365	3,627,462	9.31E-02	3.01E-04	Onsite	Non-Resident
R5082	488,390	3,627,462	9.60E-02	3.10E-04	Onsite	Non-Resident
R5083	488,415	3,627,462	9.91E-02	3.20E-04	Onsite	Non-Resident
R5084	488,440	3,627,462	1.02E-01	3.31E-04	Onsite	Non-Resident
R5085	488,465	3,627,462	1.06E-01	3.42E-04	Onsite	Non-Resident
R5086	488,490	3,627,462	1.10E-01	3.54E-04	Onsite	Non-Resident
R5087	488,515	3,627,462	1.13E-01	3.66E-04	Onsite	Non-Resident
R5088	488,540	3,627,462	1.17E-01	3.79E-04	Onsite	Non-Resident
R5089	488,565	3,627,462	1.22E-01	3.93E-04	Onsite	Non-Resident
R5090	488,590	3,627,462	1.26E-01	4.08E-04	Onsite	Non-Resident
R5091	488,615	3,627,462	1.31E-01	4.24E-04	Onsite	Non-Resident
R5092	488,640	3,627,462	1.37E-01	4.42E-04	Onsite	Non-Resident
R5093	488,665	3,627,462	1.43E-01	4.61E-04	Onsite	Non-Resident
R5094	488,690	3,627,462	1.49E-01	4.82E-04	Onsite	Non-Resident
R5095	488,715	3,627,462	1.56E-01	5.05E-04	Onsite	Non-Resident
R5096	488,740	3,627,462	1.64E-01	5.29E-04	Onsite	Non-Resident
R5097	488,765	3,627,462	1.72E-01	5.55E-04	Onsite	Non-Resident
R5098	488,790	3,627,462	2.17E+00	5.84E-04	Onsite	Resident
R5099	488,815	3,627,462	2.29E+00	6.16E-04	Onsite	Resident
R5100	488,840	3,627,462	2.01E-01	6.51E-04	Onsite	Non-Resident
R5101	488,865	3,627,462	2.13E-01	6.90E-04	Onsite	Non-Resident
R5102	488,315	3,627,437	9.01E-02	2.91E-04	Onsite	Non-Resident
R5103	488,340	3,627,437	9.28E-02	3.00E-04	Onsite	Non-Resident
R5104	488,365	3,627,437	9.56E-02	3.09E-04	Onsite	Non-Resident
R5105	488,390	3,627,437	9.86E-02	3.19E-04	Onsite	Non-Resident
R5106	488,415	3,627,437	1.02E-01	3.29E-04	Onsite	Non-Resident
R5107	488,440	3,627,437	1.05E-01	3.40E-04	Onsite	Non-Resident
R5108	488,465	3,627,437	1.09E-01	3.51E-04	Onsite	Non-Resident
R5109	488,490	3,627,437	1.12E-01	3.63E-04	Onsite	Non-Resident
R5110	488,515	3,627,437	1.16E-01	3.76E-04	Onsite	Non-Resident
R5111	488,540	3,627,437	1.20E-01	3.89E-04	Onsite	Non-Resident
R5112	488,565	3,627,437	1.25E-01	4.03E-04	Onsite	Non-Resident
R5113	488,590	3,627,437	1.29E-01	4.18E-04	Onsite	Non-Resident
R5114	488,615	3,627,437	1.35E-01	4.35E-04	Onsite	Non-Resident
R5115	488,640	3,627,437	1.40E-01	4.53E-04	Onsite	Non-Resident
R5116	488,665	3,627,437	1.46E-01	4.73E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5117	488,690	3,627,437	1.53E-01	4.94E-04	Onsite	Non-Resident
R5118	488,715	3,627,437	1.60E-01	5.17E-04	Onsite	Non-Resident
R5119	488,740	3,627,437	1.67E-01	5.41E-04	Onsite	Non-Resident
R5120	488,765	3,627,437	1.76E-01	5.67E-04	Onsite	Non-Resident
R5121	488,790	3,627,437	2.22E+00	5.96E-04	Onsite	Resident
R5122	488,815	3,627,437	2.34E+00	6.28E-04	Onsite	Resident
R5123	488,840	3,627,437	2.05E-01	6.64E-04	Onsite	Non-Resident
R5124	488,865	3,627,437	2.18E-01	7.03E-04	Onsite	Non-Resident
R5125	488,315	3,627,412	9.25E-02	2.99E-04	Onsite	Non-Resident
R5126	488,340	3,627,412	9.53E-02	3.08E-04	Onsite	Non-Resident
R5127	488,365	3,627,412	9.81E-02	3.17E-04	Onsite	Non-Resident
R5128	488,390	3,627,412	1.01E-01	3.28E-04	Onsite	Non-Resident
R5129	488,415	3,627,412	1.05E-01	3.38E-04	Onsite	Non-Resident
R5130	488,440	3,627,412	1.08E-01	3.49E-04	Onsite	Non-Resident
R5131	488,465	3,627,412	1.11E-01	3.60E-04	Onsite	Non-Resident
R5132	488,490	3,627,412	1.15E-01	3.72E-04	Onsite	Non-Resident
R5133	488,515	3,627,412	1.19E-01	3.85E-04	Onsite	Non-Resident
R5134	488,540	3,627,412	1.23E-01	3.98E-04	Onsite	Non-Resident
R5135	488,565	3,627,412	1.28E-01	4.13E-04	Onsite	Non-Resident
R5136	488,590	3,627,412	1.33E-01	4.29E-04	Onsite	Non-Resident
R5137	488,615	3,627,412	1.38E-01	4.46E-04	Onsite	Non-Resident
R5138	488,640	3,627,412	1.44E-01	4.65E-04	Onsite	Non-Resident
R5139	488,665	3,627,412	1.50E-01	4.84E-04	Onsite	Non-Resident
R5140	488,690	3,627,412	1.56E-01	5.05E-04	Onsite	Non-Resident
R5141	488,715	3,627,412	1.63E-01	5.28E-04	Onsite	Non-Resident
R5142	488,740	3,627,412	1.71E-01	5.52E-04	Onsite	Non-Resident
R5143	488,765	3,627,412	1.79E-01	5.79E-04	Onsite	Non-Resident
R5144	488,790	3,627,412	2.26E+00	6.08E-04	Onsite	Resident
R5145	488,815	3,627,412	2.38E+00	6.40E-04	Onsite	Resident
R5146	488,840	3,627,412	2.09E-01	6.76E-04	Onsite	Non-Resident
R5147	488,865	3,627,412	2.21E-01	7.15E-04	Onsite	Non-Resident
R5148	488,315	3,627,387	9.49E-02	3.07E-04	Onsite	Non-Resident
R5149	488,340	3,627,387	9.79E-02	3.17E-04	Onsite	Non-Resident
R5150	488,365	3,627,387	1.01E-01	3.26E-04	Onsite	Non-Resident
R5151	488,390	3,627,387	1.04E-01	3.36E-04	Onsite	Non-Resident
R5152	488,415	3,627,387	1.07E-01	3.46E-04	Onsite	Non-Resident
R5153	488,440	3,627,387	1.11E-01	3.57E-04	Onsite	Non-Resident
R5154	488,465	3,627,387	1.14E-01	3.69E-04	Onsite	Non-Resident
R5155	488,490	3,627,387	1.18E-01	3.81E-04	Onsite	Non-Resident
R5156	488,515	3,627,387	1.22E-01	3.94E-04	Onsite	Non-Resident
R5157	488,540	3,627,387	1.26E-01	4.08E-04	Onsite	Non-Resident
R5158	488,565	3,627,387	1.31E-01	4.23E-04	Onsite	Non-Resident
R5159	488,590	3,627,387	1.36E-01	4.39E-04	Onsite	Non-Resident
R5160	488,615	3,627,387	1.41E-01	4.57E-04	Onsite	Non-Resident
R5161	488,640	3,627,387	1.47E-01	4.76E-04	Onsite	Non-Resident
R5162	488,665	3,627,387	1.53E-01	4.95E-04	Onsite	Non-Resident
R5163	488,690	3,627,387	1.60E-01	5.16E-04	Onsite	Non-Resident
R5164	488,715	3,627,387	1.67E-01	5.39E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5165	488,740	3,627,387	1.74E-01	5.63E-04	Onsite	Non-Resident
R5166	488,765	3,627,387	2.20E+00	5.90E-04	Onsite	Resident
R5167	488,790	3,627,387	2.31E+00	6.20E-04	Onsite	Resident
R5168	488,815	3,627,387	2.42E+00	6.52E-04	Onsite	Resident
R5169	488,840	3,627,387	2.13E-01	6.87E-04	Onsite	Non-Resident
R5170	488,865	3,627,387	2.70E+00	7.26E-04	Onsite	Resident
R5171	488,315	3,627,362	9.75E-02	3.15E-04	Onsite	Non-Resident
R5172	488,340	3,627,362	1.00E-01	3.24E-04	Onsite	Non-Resident
R5173	488,365	3,627,362	1.03E-01	3.34E-04	Onsite	Non-Resident
R5174	488,390	3,627,362	1.06E-01	3.44E-04	Onsite	Non-Resident
R5175	488,415	3,627,362	1.10E-01	3.55E-04	Onsite	Non-Resident
R5176	488,440	3,627,362	1.13E-01	3.66E-04	Onsite	Non-Resident
R5177	488,465	3,627,362	1.17E-01	3.78E-04	Onsite	Non-Resident
R5178	488,490	3,627,362	1.21E-01	3.90E-04	Onsite	Non-Resident
R5179	488,515	3,627,362	1.25E-01	4.03E-04	Onsite	Non-Resident
R5180	488,540	3,627,362	1.29E-01	4.18E-04	Onsite	Non-Resident
R5181	488,565	3,627,362	1.34E-01	4.33E-04	Onsite	Non-Resident
R5182	488,590	3,627,362	1.39E-01	4.50E-04	Onsite	Non-Resident
R5183	488,615	3,627,362	1.45E-01	4.68E-04	Onsite	Non-Resident
R5184	488,640	3,627,362	1.50E-01	4.86E-04	Onsite	Non-Resident
R5185	488,665	3,627,362	1.56E-01	5.05E-04	Onsite	Non-Resident
R5186	488,690	3,627,362	1.63E-01	5.27E-04	Onsite	Non-Resident
R5187	488,715	3,627,362	1.70E-01	5.49E-04	Onsite	Non-Resident
R5188	488,740	3,627,362	1.78E-01	5.74E-04	Onsite	Non-Resident
R5189	488,765	3,627,362	1.86E-01	6.01E-04	Onsite	Non-Resident
R5190	488,790	3,627,362	1.95E-01	6.30E-04	Onsite	Non-Resident
R5191	488,815	3,627,362	2.05E-01	6.62E-04	Onsite	Non-Resident
R5192	488,840	3,627,362	2.16E-01	6.97E-04	Onsite	Non-Resident
R5193	488,865	3,627,362	2.28E-01	7.36E-04	Onsite	Non-Resident
R5194	488,315	3,627,337	9.99E-02	3.23E-04	Onsite	Non-Resident
R5195	488,340	3,627,337	1.03E-01	3.32E-04	Onsite	Non-Resident
R5196	488,365	3,627,337	1.06E-01	3.42E-04	Onsite	Non-Resident
R5197	488,390	3,627,337	1.09E-01	3.52E-04	Onsite	Non-Resident
R5198	488,415	3,627,337	1.12E-01	3.63E-04	Onsite	Non-Resident
R5199	488,440	3,627,337	1.16E-01	3.74E-04	Onsite	Non-Resident
R5200	488,465	3,627,337	1.20E-01	3.86E-04	Onsite	Non-Resident
R5201	488,490	3,627,337	1.23E-01	3.99E-04	Onsite	Non-Resident
R5202	488,515	3,627,337	1.28E-01	4.13E-04	Onsite	Non-Resident
R5203	488,540	3,627,337	1.32E-01	4.28E-04	Onsite	Non-Resident
R5204	488,565	3,627,337	1.37E-01	4.43E-04	Onsite	Non-Resident
R5205	488,590	3,627,337	1.42E-01	4.60E-04	Onsite	Non-Resident
R5206	488,615	3,627,337	1.48E-01	4.78E-04	Onsite	Non-Resident
R5207	488,640	3,627,337	1.54E-01	4.97E-04	Onsite	Non-Resident
R5208	488,665	3,627,337	1.60E-01	5.16E-04	Onsite	Non-Resident
R5209	488,690	3,627,337	1.66E-01	5.37E-04	Onsite	Non-Resident
R5210	488,715	3,627,337	1.73E-01	5.60E-04	Onsite	Non-Resident
R5211	488,740	3,627,337	1.81E-01	5.85E-04	Onsite	Non-Resident
R5212	488,765	3,627,337	2.28E+00	6.12E-04	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5213	488,790	3,627,337	2.39E+00	6.41E-04	Onsite	Resident
R5214	488,815	3,627,337	2.50E+00	6.73E-04	Onsite	Resident
R5215	488,840	3,627,337	2.63E+00	7.07E-04	Onsite	Resident
R5216	488,865	3,627,337	2.77E+00	7.45E-04	Onsite	Resident
R5217	488,315	3,627,312	1.02E-01	3.31E-04	Onsite	Non-Resident
R5218	488,340	3,627,312	1.05E-01	3.40E-04	Onsite	Non-Resident
R5219	488,365	3,627,312	1.08E-01	3.50E-04	Onsite	Non-Resident
R5220	488,390	3,627,312	1.12E-01	3.61E-04	Onsite	Non-Resident
R5221	488,415	3,627,312	1.15E-01	3.72E-04	Onsite	Non-Resident
R5222	488,440	3,627,312	1.19E-01	3.83E-04	Onsite	Non-Resident
R5223	488,465	3,627,312	1.22E-01	3.95E-04	Onsite	Non-Resident
R5224	488,490	3,627,312	1.26E-01	4.08E-04	Onsite	Non-Resident
R5225	488,515	3,627,312	1.31E-01	4.22E-04	Onsite	Non-Resident
R5226	488,540	3,627,312	1.35E-01	4.37E-04	Onsite	Non-Resident
R5227	488,565	3,627,312	1.40E-01	4.53E-04	Onsite	Non-Resident
R5228	488,590	3,627,312	1.46E-01	4.71E-04	Onsite	Non-Resident
R5229	488,615	3,627,312	1.51E-01	4.88E-04	Onsite	Non-Resident
R5230	488,640	3,627,312	1.57E-01	5.06E-04	Onsite	Non-Resident
R5231	488,665	3,627,312	1.63E-01	5.26E-04	Onsite	Non-Resident
R5232	488,690	3,627,312	1.69E-01	5.47E-04	Onsite	Non-Resident
R5233	488,715	3,627,312	1.76E-01	5.70E-04	Onsite	Non-Resident
R5234	488,740	3,627,312	1.84E-01	5.95E-04	Onsite	Non-Resident
R5235	488,765	3,627,312	2.31E+00	6.21E-04	Onsite	Resident
R5236	488,790	3,627,312	2.41E+00	6.48E-04	Onsite	Resident
R5237	488,815	3,627,312	2.53E+00	6.80E-04	Onsite	Resident
R5238	488,840	3,627,312	2.67E+00	7.17E-04	Onsite	Resident
R5239	488,865	3,627,312	2.81E+00	7.55E-04	Onsite	Resident
R5240	488,315	3,627,287	1.05E-01	3.38E-04	Onsite	Non-Resident
R5241	488,340	3,627,287	1.08E-01	3.48E-04	Onsite	Non-Resident
R5242	488,365	3,627,287	1.11E-01	3.58E-04	Onsite	Non-Resident
R5243	488,390	3,627,287	1.14E-01	3.69E-04	Onsite	Non-Resident
R5244	488,415	3,627,287	1.18E-01	3.80E-04	Onsite	Non-Resident
R5245	488,440	3,627,287	1.21E-01	3.92E-04	Onsite	Non-Resident
R5246	488,465	3,627,287	1.25E-01	4.04E-04	Onsite	Non-Resident
R5247	488,490	3,627,287	1.29E-01	4.18E-04	Onsite	Non-Resident
R5248	488,515	3,627,287	1.34E-01	4.32E-04	Onsite	Non-Resident
R5249	488,540	3,627,287	1.38E-01	4.47E-04	Onsite	Non-Resident
R5250	488,565	3,627,287	1.43E-01	4.64E-04	Onsite	Non-Resident
R5251	488,590	3,627,287	1.49E-01	4.81E-04	Onsite	Non-Resident
R5252	488,615	3,627,287	1.54E-01	4.99E-04	Onsite	Non-Resident
R5253	488,640	3,627,287	1.60E-01	5.16E-04	Onsite	Non-Resident
R5254	488,665	3,627,287	1.66E-01	5.36E-04	Onsite	Non-Resident
R5255	488,690	3,627,287	1.73E-01	5.58E-04	Onsite	Non-Resident
R5256	488,715	3,627,287	1.80E-01	5.81E-04	Onsite	Non-Resident
R5257	488,740	3,627,287	1.87E-01	6.06E-04	Onsite	Non-Resident
R5258	488,765	3,627,287	2.34E+00	6.27E-04	Onsite	Resident
R5259	488,790	3,627,287	2.44E+00	6.56E-04	Onsite	Resident
R5260	488,815	3,627,287	2.55E+00	6.86E-04	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5261	488,840	3,627,287	2.68E+00	7.20E-04	Onsite	Resident
R5262	488,865	3,627,287	2.83E+00	7.61E-04	Onsite	Resident
R5263	488,315	3,627,262	1.07E-01	3.47E-04	Onsite	Non-Resident
R5264	488,340	3,627,262	1.10E-01	3.56E-04	Onsite	Non-Resident
R5265	488,365	3,627,262	1.14E-01	3.67E-04	Onsite	Non-Resident
R5266	488,390	3,627,262	1.17E-01	3.78E-04	Onsite	Non-Resident
R5267	488,415	3,627,262	1.20E-01	3.89E-04	Onsite	Non-Resident
R5268	488,440	3,627,262	1.24E-01	4.01E-04	Onsite	Non-Resident
R5269	488,465	3,627,262	1.28E-01	4.14E-04	Onsite	Non-Resident
R5270	488,490	3,627,262	1.32E-01	4.28E-04	Onsite	Non-Resident
R5271	488,515	3,627,262	1.37E-01	4.42E-04	Onsite	Non-Resident
R5272	488,540	3,627,262	1.42E-01	4.58E-04	Onsite	Non-Resident
R5273	488,565	3,627,262	1.47E-01	4.74E-04	Onsite	Non-Resident
R5274	488,590	3,627,262	1.52E-01	4.91E-04	Onsite	Non-Resident
R5275	488,615	3,627,262	1.58E-01	5.09E-04	Onsite	Non-Resident
R5276	488,640	3,627,262	1.63E-01	5.27E-04	Onsite	Non-Resident
R5277	488,665	3,627,262	1.69E-01	5.47E-04	Onsite	Non-Resident
R5278	488,690	3,627,262	1.76E-01	5.68E-04	Onsite	Non-Resident
R5279	488,715	3,627,262	1.83E-01	5.91E-04	Onsite	Non-Resident
R5280	488,740	3,627,262	2.29E+00	6.14E-04	Onsite	Resident
R5281	488,765	3,627,262	2.37E+00	6.38E-04	Onsite	Resident
R5282	488,790	3,627,262	2.48E+00	6.66E-04	Onsite	Resident
R5283	488,815	3,627,262	2.59E+00	6.96E-04	Onsite	Resident
R5284	488,840	3,627,262	2.71E+00	7.28E-04	Onsite	Resident
R5285	488,865	3,627,262	2.84E+00	7.64E-04	Onsite	Resident
R5286	488,315	3,627,237	1.10E-01	3.55E-04	Onsite	Non-Resident
R5287	488,340	3,627,237	1.13E-01	3.65E-04	Onsite	Non-Resident
R5288	488,365	3,627,237	1.16E-01	3.76E-04	Onsite	Non-Resident
R5289	488,390	3,627,237	1.20E-01	3.87E-04	Onsite	Non-Resident
R5290	488,415	3,627,237	1.23E-01	3.98E-04	Onsite	Non-Resident
R5291	488,440	3,627,237	1.27E-01	4.10E-04	Onsite	Non-Resident
R5292	488,465	3,627,237	1.31E-01	4.23E-04	Onsite	Non-Resident
R5293	488,490	3,627,237	1.35E-01	4.37E-04	Onsite	Non-Resident
R5294	488,515	3,627,237	1.40E-01	4.52E-04	Onsite	Non-Resident
R5295	488,540	3,627,237	1.45E-01	4.68E-04	Onsite	Non-Resident
R5296	488,565	3,627,237	1.50E-01	4.84E-04	Onsite	Non-Resident
R5297	488,590	3,627,237	1.55E-01	5.02E-04	Onsite	Non-Resident
R5298	488,615	3,627,237	1.60E-01	5.19E-04	Onsite	Non-Resident
R5299	488,640	3,627,237	1.66E-01	5.37E-04	Onsite	Non-Resident
R5300	488,665	3,627,237	1.72E-01	5.57E-04	Onsite	Non-Resident
R5301	488,690	3,627,237	1.79E-01	5.79E-04	Onsite	Non-Resident
R5302	488,715	3,627,237	1.86E-01	6.02E-04	Onsite	Non-Resident
R5303	488,740	3,627,237	1.92E-01	6.22E-04	Onsite	Non-Resident
R5304	488,765	3,627,237	2.41E+00	6.48E-04	Onsite	Resident
R5305	488,790	3,627,237	2.51E+00	6.76E-04	Onsite	Resident
R5306	488,815	3,627,237	2.63E+00	7.06E-04	Onsite	Resident
R5307	488,840	3,627,237	2.75E+00	7.38E-04	Onsite	Resident
R5308	488,865	3,627,237	2.89E+00	7.76E-04	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5309	488,890	3,627,237	3.05E+00	8.21E-04	Onsite	Resident
R5310	488,315	3,627,212	1.12E-01	3.63E-04	Onsite	Non-Resident
R5311	488,340	3,627,212	1.16E-01	3.74E-04	Onsite	Non-Resident
R5312	488,365	3,627,212	1.19E-01	3.85E-04	Onsite	Non-Resident
R5313	488,390	3,627,212	1.23E-01	3.96E-04	Onsite	Non-Resident
R5314	488,415	3,627,212	1.26E-01	4.08E-04	Onsite	Non-Resident
R5315	488,440	3,627,212	1.30E-01	4.20E-04	Onsite	Non-Resident
R5316	488,465	3,627,212	1.34E-01	4.33E-04	Onsite	Non-Resident
R5317	488,490	3,627,212	1.38E-01	4.47E-04	Onsite	Non-Resident
R5318	488,515	3,627,212	1.43E-01	4.62E-04	Onsite	Non-Resident
R5319	488,540	3,627,212	1.48E-01	4.78E-04	Onsite	Non-Resident
R5320	488,565	3,627,212	1.53E-01	4.95E-04	Onsite	Non-Resident
R5321	488,590	3,627,212	1.59E-01	5.12E-04	Onsite	Non-Resident
R5322	488,615	3,627,212	1.64E-01	5.29E-04	Onsite	Non-Resident
R5323	488,640	3,627,212	1.70E-01	5.48E-04	Onsite	Non-Resident
R5324	488,665	3,627,212	1.76E-01	5.68E-04	Onsite	Non-Resident
R5325	488,690	3,627,212	1.82E-01	5.89E-04	Onsite	Non-Resident
R5326	488,715	3,627,212	1.90E-01	6.13E-04	Onsite	Non-Resident
R5327	488,740	3,627,212	1.97E-01	6.37E-04	Onsite	Non-Resident
R5328	488,765	3,627,212	2.45E+00	6.59E-04	Onsite	Resident
R5329	488,790	3,627,212	2.12E-01	6.86E-04	Onsite	Non-Resident
R5330	488,815	3,627,212	2.21E-01	7.15E-04	Onsite	Non-Resident
R5331	488,840	3,627,212	2.31E-01	7.47E-04	Onsite	Non-Resident
R5332	488,865	3,627,212	2.94E+00	7.91E-04	Onsite	Resident
R5333	488,890	3,627,212	3.08E+00	8.29E-04	Onsite	Resident
R5334	488,315	3,627,187	1.15E-01	3.72E-04	Onsite	Non-Resident
R5335	488,340	3,627,187	1.18E-01	3.83E-04	Onsite	Non-Resident
R5336	488,365	3,627,187	1.22E-01	3.94E-04	Onsite	Non-Resident
R5337	488,390	3,627,187	1.25E-01	4.05E-04	Onsite	Non-Resident
R5338	488,415	3,627,187	1.29E-01	4.17E-04	Onsite	Non-Resident
R5339	488,440	3,627,187	1.33E-01	4.30E-04	Onsite	Non-Resident
R5340	488,465	3,627,187	1.37E-01	4.43E-04	Onsite	Non-Resident
R5341	488,490	3,627,187	1.42E-01	4.58E-04	Onsite	Non-Resident
R5342	488,515	3,627,187	1.46E-01	4.73E-04	Onsite	Non-Resident
R5343	488,540	3,627,187	1.51E-01	4.89E-04	Onsite	Non-Resident
R5344	488,565	3,627,187	1.57E-01	5.06E-04	Onsite	Non-Resident
R5345	488,590	3,627,187	1.62E-01	5.23E-04	Onsite	Non-Resident
R5346	488,615	3,627,187	1.67E-01	5.40E-04	Onsite	Non-Resident
R5347	488,640	3,627,187	1.73E-01	5.59E-04	Onsite	Non-Resident
R5348	488,665	3,627,187	1.79E-01	5.80E-04	Onsite	Non-Resident
R5349	488,690	3,627,187	1.86E-01	6.01E-04	Onsite	Non-Resident
R5350	488,715	3,627,187	1.93E-01	6.24E-04	Onsite	Non-Resident
R5351	488,740	3,627,187	2.41E+00	6.49E-04	Onsite	Resident
R5352	488,765	3,627,187	2.51E+00	6.76E-04	Onsite	Resident
R5353	488,790	3,627,187	2.61E+00	7.01E-04	Onsite	Resident
R5354	488,815	3,627,187	2.26E-01	7.29E-04	Onsite	Non-Resident
R5355	488,840	3,627,187	2.83E+00	7.61E-04	Onsite	Resident
R5356	488,865	3,627,187	2.98E+00	8.00E-04	Onsite	Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5357	488,890	3,627,187	3.12E+00	8.38E-04	Onsite	Resident
R5358	488,340	3,627,162	1.21E-01	3.92E-04	Onsite	Non-Resident
R5359	488,365	3,627,162	1.25E-01	4.03E-04	Onsite	Non-Resident
R5360	488,390	3,627,162	1.28E-01	4.15E-04	Onsite	Non-Resident
R5361	488,415	3,627,162	1.32E-01	4.27E-04	Onsite	Non-Resident
R5362	488,440	3,627,162	1.36E-01	4.40E-04	Onsite	Non-Resident
R5363	488,465	3,627,162	1.40E-01	4.53E-04	Onsite	Non-Resident
R5364	488,490	3,627,162	1.45E-01	4.68E-04	Onsite	Non-Resident
R5365	488,515	3,627,162	1.50E-01	4.84E-04	Onsite	Non-Resident
R5366	488,540	3,627,162	1.55E-01	5.00E-04	Onsite	Non-Resident
R5367	488,565	3,627,162	1.60E-01	5.17E-04	Onsite	Non-Resident
R5368	488,590	3,627,162	1.66E-01	5.35E-04	Onsite	Non-Resident
R5369	488,615	3,627,162	1.71E-01	5.54E-04	Onsite	Non-Resident
R5370	488,640	3,627,162	1.77E-01	5.71E-04	Onsite	Non-Resident
R5371	488,665	3,627,162	1.83E-01	5.91E-04	Onsite	Non-Resident
R5372	488,690	3,627,162	1.90E-01	6.13E-04	Onsite	Non-Resident
R5373	488,715	3,627,162	1.97E-01	6.36E-04	Onsite	Non-Resident
R5374	488,740	3,627,162	2.46E+00	6.60E-04	Onsite	Resident
R5375	488,765	3,627,162	2.55E+00	6.86E-04	Onsite	Resident
R5376	488,790	3,627,162	2.66E+00	7.14E-04	Onsite	Resident
R5377	488,815	3,627,162	2.30E-01	7.44E-04	Onsite	Non-Resident
R5378	488,840	3,627,162	2.89E+00	7.76E-04	Onsite	Resident
R5379	488,865	3,627,162	3.02E+00	8.11E-04	Onsite	Resident
R5380	488,890	3,627,162	2.62E-01	8.48E-04	Onsite	Non-Resident
R5381	488,915	3,627,162	3.31E+00	8.89E-04	Onsite	Resident
R5382	488,340	3,627,137	1.24E-01	4.02E-04	Onsite	Non-Resident
R5383	488,365	3,627,137	1.28E-01	4.13E-04	Onsite	Non-Resident
R5384	488,390	3,627,137	1.32E-01	4.25E-04	Onsite	Non-Resident
R5385	488,415	3,627,137	1.35E-01	4.38E-04	Onsite	Non-Resident
R5386	488,440	3,627,137	1.39E-01	4.51E-04	Onsite	Non-Resident
R5387	488,465	3,627,137	1.44E-01	4.64E-04	Onsite	Non-Resident
R5388	488,490	3,627,137	1.48E-01	4.79E-04	Onsite	Non-Resident
R5389	488,515	3,627,137	1.53E-01	4.95E-04	Onsite	Non-Resident
R5390	488,540	3,627,137	1.58E-01	5.11E-04	Onsite	Non-Resident
R5391	488,565	3,627,137	1.64E-01	5.29E-04	Onsite	Non-Resident
R5392	488,590	3,627,137	1.69E-01	5.47E-04	Onsite	Non-Resident
R5393	488,615	3,627,137	1.75E-01	5.66E-04	Onsite	Non-Resident
R5394	488,640	3,627,137	1.81E-01	5.85E-04	Onsite	Non-Resident
R5395	488,665	3,627,137	1.87E-01	6.04E-04	Onsite	Non-Resident
R5396	488,690	3,627,137	1.94E-01	6.26E-04	Onsite	Non-Resident
R5397	488,715	3,627,137	2.01E-01	6.49E-04	Onsite	Non-Resident
R5398	488,740	3,627,137	2.50E+00	6.73E-04	Onsite	Resident
R5399	488,765	3,627,137	2.60E+00	6.99E-04	Onsite	Resident
R5400	488,790	3,627,137	2.70E+00	7.26E-04	Onsite	Resident
R5401	488,815	3,627,137	2.34E-01	7.56E-04	Onsite	Non-Resident
R5402	488,840	3,627,137	2.93E+00	7.88E-04	Onsite	Resident
R5403	488,865	3,627,137	3.06E+00	8.22E-04	Onsite	Resident
R5404	488,890	3,627,137	2.66E-01	8.59E-04	Onsite	Non-Resident



Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5405	488,340	3,627,112	1.27E-01	4.12E-04	Onsite	Non-Resident
R5406	488,365	3,627,112	1.31E-01	4.24E-04	Onsite	Non-Resident
R5407	488,390	3,627,112	1.35E-01	4.36E-04	Onsite	Non-Resident
R5408	488,415	3,627,112	1.39E-01	4.49E-04	Onsite	Non-Resident
R5409	488,440	3,627,112	1.43E-01	4.62E-04	Onsite	Non-Resident
R5410	488,465	3,627,112	1.47E-01	4.76E-04	Onsite	Non-Resident
R5411	488,490	3,627,112	1.52E-01	4.91E-04	Onsite	Non-Resident
R5412	488,515	3,627,112	1.57E-01	5.07E-04	Onsite	Non-Resident
R5413	488,540	3,627,112	1.62E-01	5.24E-04	Onsite	Non-Resident
R5414	488,565	3,627,112	1.67E-01	5.41E-04	Onsite	Non-Resident
R5415	488,590	3,627,112	1.73E-01	5.59E-04	Onsite	Non-Resident
R5416	488,615	3,627,112	1.79E-01	5.79E-04	Onsite	Non-Resident
R5417	488,640	3,627,112	1.85E-01	5.99E-04	Onsite	Non-Resident
R5418	488,665	3,627,112	1.92E-01	6.20E-04	Onsite	Non-Resident
R5419	488,690	3,627,112	1.98E-01	6.40E-04	Onsite	Non-Resident
R5420	488,715	3,627,112	2.05E-01	6.63E-04	Onsite	Non-Resident
R5421	488,740	3,627,112	2.13E-01	6.87E-04	Onsite	Non-Resident
R5422	488,765	3,627,112	2.65E+00	7.13E-04	Onsite	Resident
R5423	488,790	3,627,112	2.76E+00	7.40E-04	Onsite	Resident
R5424	488,340	3,627,087	1.31E-01	4.23E-04	Onsite	Non-Resident
R5425	488,365	3,627,087	1.34E-01	4.35E-04	Onsite	Non-Resident
R5426	488,390	3,627,087	1.38E-01	4.47E-04	Onsite	Non-Resident
R5427	488,415	3,627,087	1.42E-01	4.60E-04	Onsite	Non-Resident
R5428	488,440	3,627,087	1.47E-01	4.74E-04	Onsite	Non-Resident
R5429	488,465	3,627,087	1.51E-01	4.88E-04	Onsite	Non-Resident
R5430	488,490	3,627,087	1.56E-01	5.03E-04	Onsite	Non-Resident
R5431	488,515	3,627,087	1.61E-01	5.20E-04	Onsite	Non-Resident
R5432	488,540	3,627,087	1.66E-01	5.37E-04	Onsite	Non-Resident
R5433	488,565	3,627,087	1.71E-01	5.54E-04	Onsite	Non-Resident
R5434	488,590	3,627,087	1.77E-01	5.73E-04	Onsite	Non-Resident
R5435	488,615	3,627,087	1.83E-01	5.92E-04	Onsite	Non-Resident
R5436	488,640	3,627,087	1.90E-01	6.13E-04	Onsite	Non-Resident
R5437	488,665	3,627,087	1.96E-01	6.34E-04	Onsite	Non-Resident
R5438	488,690	3,627,087	2.03E-01	6.56E-04	Onsite	Non-Resident
R5439	488,715	3,627,087	2.10E-01	6.78E-04	Onsite	Non-Resident
R5440	488,340	3,627,062	1.34E-01	4.34E-04	Onsite	Non-Resident
R5441	488,365	3,627,062	1.38E-01	4.46E-04	Onsite	Non-Resident
R5442	488,390	3,627,062	1.42E-01	4.59E-04	Onsite	Non-Resident
R5443	488,415	3,627,062	1.46E-01	4.72E-04	Onsite	Non-Resident
R5444	488,440	3,627,062	1.50E-01	4.86E-04	Onsite	Non-Resident
R5445	488,465	3,627,062	1.55E-01	5.01E-04	Onsite	Non-Resident
R5446	488,490	3,627,062	1.60E-01	5.17E-04	Onsite	Non-Resident
R5447	488,515	3,627,062	1.65E-01	5.33E-04	Onsite	Non-Resident
R5448	488,540	3,627,062	1.70E-01	5.50E-04	Onsite	Non-Resident
R5449	488,565	3,627,062	1.76E-01	5.69E-04	Onsite	Non-Resident
R5450	488,590	3,627,062	1.82E-01	5.87E-04	Onsite	Non-Resident
R5451	488,615	3,627,062	1.88E-01	6.07E-04	Onsite	Non-Resident
R5452	488,640	3,627,062	1.94E-01	6.28E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5453	488,340	3,627,037	1.38E-01	4.46E-04	Onsite	Non-Resident
R5454	488,365	3,627,037	1.42E-01	4.58E-04	Onsite	Non-Resident
R5455	488,390	3,627,037	1.46E-01	4.72E-04	Onsite	Non-Resident
R5456	488,415	3,627,037	1.50E-01	4.85E-04	Onsite	Non-Resident
R5457	488,440	3,627,037	1.55E-01	5.00E-04	Onsite	Non-Resident
R5458	488,465	3,627,037	1.59E-01	5.15E-04	Onsite	Non-Resident
R5459	488,490	3,627,037	1.64E-01	5.31E-04	Onsite	Non-Resident
R5460	488,515	3,627,037	1.70E-01	5.48E-04	Onsite	Non-Resident
R5461	488,540	3,627,037	1.75E-01	5.66E-04	Onsite	Non-Resident
R5462	488,565	3,627,037	1.81E-01	5.84E-04	Onsite	Non-Resident
R5463	488,590	3,627,037	1.87E-01	6.04E-04	Onsite	Non-Resident
R5464	488,340	3,627,012	1.42E-01	4.58E-04	Onsite	Non-Resident
R5465	488,365	3,627,012	1.46E-01	4.71E-04	Onsite	Non-Resident
R5466	488,390	3,627,012	1.50E-01	4.85E-04	Onsite	Non-Resident
R5467	488,415	3,627,012	1.55E-01	4.99E-04	Onsite	Non-Resident
R5468	488,440	3,627,012	1.59E-01	5.14E-04	Onsite	Non-Resident
R5469	488,465	3,627,012	1.64E-01	5.30E-04	Onsite	Non-Resident
R5470	488,490	3,627,012	1.69E-01	5.46E-04	Onsite	Non-Resident
R5471	488,515	3,627,012	1.74E-01	5.64E-04	Onsite	Non-Resident
R5472	488,540	3,627,012	1.80E-01	5.82E-04	Onsite	Non-Resident
R5473	488,315	3,626,987	1.42E-01	4.59E-04	Onsite	Non-Resident
R5474	488,340	3,626,987	1.46E-01	4.72E-04	Onsite	Non-Resident
R5475	488,365	3,626,987	1.50E-01	4.85E-04	Onsite	Non-Resident
R5476	488,390	3,626,987	1.55E-01	5.00E-04	Onsite	Non-Resident
R5477	488,415	3,626,987	1.59E-01	5.14E-04	Onsite	Non-Resident
R5478	488,440	3,626,987	1.64E-01	5.30E-04	Onsite	Non-Resident
R5479	488,465	3,626,987	1.69E-01	5.46E-04	Onsite	Non-Resident
R5480	488,490	3,626,987	1.74E-01	5.63E-04	Onsite	Non-Resident
R5481	488,290	3,626,962	1.42E-01	4.60E-04	Onsite	Non-Resident
R5482	488,315	3,626,962	1.46E-01	4.72E-04	Onsite	Non-Resident
R5483	488,340	3,626,962	1.50E-01	4.86E-04	Onsite	Non-Resident
R5484	488,365	3,626,962	1.55E-01	5.00E-04	Onsite	Non-Resident
R5485	488,390	3,626,962	1.59E-01	5.15E-04	Onsite	Non-Resident
R5486	488,415	3,626,962	1.64E-01	5.31E-04	Onsite	Non-Resident
R5487	488,440	3,626,962	1.69E-01	5.47E-04	Onsite	Non-Resident
R5488	488,465	3,626,962	1.74E-01	5.64E-04	Onsite	Non-Resident
R5489	488,265	3,626,937	1.43E-01	4.61E-04	Onsite	Non-Resident
R5490	488,290	3,626,937	1.47E-01	4.74E-04	Onsite	Non-Resident
R5491	488,315	3,626,937	1.51E-01	4.88E-04	Onsite	Non-Resident
R5492	488,340	3,626,937	1.55E-01	5.02E-04	Onsite	Non-Resident
R5493	488,365	3,626,937	1.60E-01	5.17E-04	Onsite	Non-Resident
R5494	488,390	3,626,937	1.65E-01	5.33E-04	Onsite	Non-Resident
R5495	488,415	3,626,937	1.70E-01	5.49E-04	Onsite	Non-Resident
R5496	488,240	3,626,912	1.43E-01	4.63E-04	Onsite	Non-Resident
R5497	488,265	3,626,912	1.47E-01	4.76E-04	Onsite	Non-Resident
R5498	488,290	3,626,912	1.51E-01	4.89E-04	Onsite	Non-Resident
R5499	488,340	3,626,912	1.61E-01	5.19E-04	Onsite	Non-Resident
R5500	488,365	3,626,912	1.66E-01	5.35E-04	Onsite	Non-Resident

Table C-2. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Existing Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5501	488,390	3,626,912	1.71E-01	5.52E-04	Onsite	Non-Resident
R5502	488,215	3,626,887	1.44E-01	4.64E-04	Onsite	Non-Resident
R5503	488,290	3,626,887	1.57E-01	5.06E-04	Onsite	Non-Resident
R5504	488,315	3,626,887	1.62E-01	5.22E-04	Onsite	Non-Resident
R5505	488,340	3,626,887	1.67E-01	5.38E-04	Onsite	Non-Resident
R5506	488,240	3,626,862	1.53E-01	4.94E-04	Onsite	Non-Resident
R5507	488,265	3,626,862	1.58E-01	5.10E-04	Onsite	Non-Resident
R5508	488,290	3,626,862	1.63E-01	5.26E-04	Onsite	Non-Resident
R5509	488,315	3,626,862	1.68E-01	5.42E-04	Onsite	Non-Resident
R5510	488,215	3,626,837	1.54E-01	4.98E-04	Onsite	Non-Resident
R5511	488,240	3,626,837	1.59E-01	5.14E-04	Onsite	Non-Resident
R5512	488,265	3,626,837	1.64E-01	5.29E-04	Onsite	Non-Resident
R5513	488,190	3,626,812	1.55E-01	5.00E-04	Onsite	Non-Resident
R5514	488,215	3,626,812	1.60E-01	5.16E-04	Onsite	Non-Resident
R5515	488,240	3,626,812	1.65E-01	5.32E-04	Onsite	Non-Resident
R5516	488,165	3,626,787	1.56E-01	5.03E-04	Onsite	Non-Resident
R5517	488,190	3,626,787	1.60E-01	5.19E-04	Onsite	Non-Resident
R5518	488,215	3,626,787	1.66E-01	5.36E-04	Onsite	Non-Resident
R5519	488,140	3,626,762	1.57E-01	5.07E-04	Onsite	Non-Resident
R5520	488,165	3,626,762	1.62E-01	5.22E-04	Onsite	Non-Resident
R5521	488,115	3,626,737	1.58E-01	5.10E-04	Onsite	Non-Resident
R5522	488,140	3,626,737	1.63E-01	5.26E-04	Onsite	Non-Resident
R5523	488,090	3,626,712	1.59E-01	5.13E-04	Onsite	Non-Resident
R5524	488,065	3,626,687	1.60E-01	5.16E-04	Onsite	Non-Resident

Notes:

<sup>1</sup> The projection datum is NAD-83.

<sup>2</sup> Exposure parameters for workers were used to estimate health impacts for the non-resident receptors on-site.

Abbreviations:

m - meter

NAD - North American Datum

UTM - Universal Transverse Mercator

SDSU - San Diego State University

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R1965	488,040	3,626,612	2.10E-01	6.78E-04	Onsite	Non-Resident
R1966	488,065	3,626,612	2.18E-01	7.05E-04	Onsite	Non-Resident
R2045	488,015	3,626,637	1.94E-01	6.26E-04	Onsite	Non-Resident
R2046	488,040	3,626,637	2.01E-01	6.48E-04	Onsite	Non-Resident
R2047	488,065	3,626,637	2.09E-01	6.75E-04	Onsite	Non-Resident
R2048	488,090	3,626,637	2.18E-01	7.03E-04	Onsite	Non-Resident
R2049	488,115	3,626,637	2.27E-01	7.33E-04	Onsite	Non-Resident
R2050	488,140	3,626,637	2.35E-01	7.58E-04	Onsite	Non-Resident
R2126	488,040	3,626,662	1.93E-01	6.23E-04	Onsite	Non-Resident
R2127	488,065	3,626,662	2.01E-01	6.48E-04	Onsite	Non-Resident
R2128	488,090	3,626,662	2.08E-01	6.73E-04	Onsite	Non-Resident
R2129	488,115	3,626,662	2.16E-01	6.99E-04	Onsite	Non-Resident
R2130	488,140	3,626,662	2.25E-01	7.27E-04	Onsite	Non-Resident
R2131	488,165	3,626,662	2.33E-01	7.52E-04	Onsite	Non-Resident
R2207	488,090	3,626,687	1.99E-01	6.43E-04	Onsite	Non-Resident
R2208	488,115	3,626,687	2.07E-01	6.67E-04	Onsite	Non-Resident
R2209	488,140	3,626,687	2.14E-01	6.93E-04	Onsite	Non-Resident
R2210	488,165	3,626,687	2.22E-01	7.17E-04	Onsite	Non-Resident
R2211	488,190	3,626,687	2.31E-01	7.45E-04	Onsite	Non-Resident
R2212	488,215	3,626,687	2.40E-01	7.75E-04	Onsite	Non-Resident
R2286	488,115	3,626,712	1.98E-01	6.39E-04	Onsite	Non-Resident
R2287	488,140	3,626,712	2.05E-01	6.61E-04	Onsite	Non-Resident
R2288	488,165	3,626,712	2.12E-01	6.84E-04	Onsite	Non-Resident
R2289	488,190	3,626,712	2.20E-01	7.10E-04	Onsite	Non-Resident
R2290	488,215	3,626,712	2.28E-01	7.37E-04	Onsite	Non-Resident
R2291	488,240	3,626,712	2.37E-01	7.65E-04	Onsite	Non-Resident
R2292	488,265	3,626,712	2.46E-01	7.96E-04	Onsite	Non-Resident
R2364	488,165	3,626,737	2.02E-01	6.54E-04	Onsite	Non-Resident
R2365	488,190	3,626,737	2.10E-01	6.78E-04	Onsite	Non-Resident
R2366	488,215	3,626,737	2.17E-01	7.02E-04	Onsite	Non-Resident
R2367	488,240	3,626,737	2.25E-01	7.28E-04	Onsite	Non-Resident
R2368	488,265	3,626,737	2.34E-01	7.56E-04	Onsite	Non-Resident
R2369	488,290	3,626,737	2.43E-01	7.86E-04	Onsite	Non-Resident
R2370	488,315	3,626,737	2.53E-01	8.17E-04	Onsite	Non-Resident
R2440	488,190	3,626,762	2.01E-01	6.49E-04	Onsite	Non-Resident
R2441	488,215	3,626,762	2.08E-01	6.72E-04	Onsite	Non-Resident
R2442	488,240	3,626,762	2.15E-01	6.96E-04	Onsite	Non-Resident
R2443	488,265	3,626,762	2.23E-01	7.21E-04	Onsite	Non-Resident
R2444	488,290	3,626,762	2.31E-01	7.48E-04	Onsite	Non-Resident
R2445	488,315	3,626,762	2.40E-01	7.76E-04	Onsite	Non-Resident
R2446	488,340	3,626,762	2.49E-01	8.06E-04	Onsite	Non-Resident
R2447	488,365	3,626,762	2.59E-01	8.38E-04	Onsite	Non-Resident
R2448	488,390	3,626,762	2.69E-01	8.70E-04	Onsite	Non-Resident
R2515	488,240	3,626,787	2.06E-01	6.66E-04	Onsite	Non-Resident
R2516	488,265	3,626,787	2.13E-01	6.89E-04	Onsite	Non-Resident
R2517	488,290	3,626,787	2.21E-01	7.14E-04	Onsite	Non-Resident
R2518	488,315	3,626,787	2.29E-01	7.39E-04	Onsite	Non-Resident
R2519	488,340	3,626,787	2.37E-01	7.66E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R2520	488,365	3,626,787	2.46E-01	7.95E-04	Onsite	Non-Resident
R2521	488,390	3,626,787	2.55E-01	8.25E-04	Onsite	Non-Resident
R2522	488,415	3,626,787	2.65E-01	8.57E-04	Onsite	Non-Resident
R2523	488,440	3,626,787	2.76E-01	8.91E-04	Onsite	Non-Resident
R2588	488,265	3,626,812	2.04E-01	6.61E-04	Onsite	Non-Resident
R2589	488,290	3,626,812	2.11E-01	6.83E-04	Onsite	Non-Resident
R2590	488,315	3,626,812	2.18E-01	7.06E-04	Onsite	Non-Resident
R2591	488,340	3,626,812	2.26E-01	7.31E-04	Onsite	Non-Resident
R2592	488,365	3,626,812	2.34E-01	7.57E-04	Onsite	Non-Resident
R2593	488,390	3,626,812	2.43E-01	7.84E-04	Onsite	Non-Resident
R2594	488,415	3,626,812	2.51E-01	8.13E-04	Onsite	Non-Resident
R2595	488,440	3,626,812	2.61E-01	8.43E-04	Onsite	Non-Resident
R2596	488,465	3,626,812	2.71E-01	8.76E-04	Onsite	Non-Resident
R2597	488,490	3,626,812	2.82E-01	9.10E-04	Onsite	Non-Resident
R2660	488,290	3,626,837	2.03E-01	6.56E-04	Onsite	Non-Resident
R2661	488,315	3,626,837	2.09E-01	6.77E-04	Onsite	Non-Resident
R2662	488,340	3,626,837	2.16E-01	6.99E-04	Onsite	Non-Resident
R2663	488,365	3,626,837	2.24E-01	7.23E-04	Onsite	Non-Resident
R2664	488,390	3,626,837	2.31E-01	7.48E-04	Onsite	Non-Resident
R2665	488,415	3,626,837	2.40E-01	7.74E-04	Onsite	Non-Resident
R2666	488,440	3,626,837	2.48E-01	8.02E-04	Onsite	Non-Resident
R2667	488,465	3,626,837	2.57E-01	8.31E-04	Onsite	Non-Resident
R2668	488,490	3,626,837	2.67E-01	8.62E-04	Onsite	Non-Resident
R2669	488,515	3,626,837	2.77E-01	8.95E-04	Onsite	Non-Resident
R2670	488,540	3,626,837	2.88E-01	9.30E-04	Onsite	Non-Resident
R2671	488,565	3,626,837	2.99E-01	9.66E-04	Onsite	Non-Resident
R2731	488,340	3,626,862	2.08E-01	6.71E-04	Onsite	Non-Resident
R2732	488,365	3,626,862	2.15E-01	6.93E-04	Onsite	Non-Resident
R2733	488,390	3,626,862	2.22E-01	7.16E-04	Onsite	Non-Resident
R2734	488,415	3,626,862	2.29E-01	7.40E-04	Onsite	Non-Resident
R2735	488,440	3,626,862	2.37E-01	7.65E-04	Onsite	Non-Resident
R2736	488,465	3,626,862	2.45E-01	7.92E-04	Onsite	Non-Resident
R2737	488,490	3,626,862	2.54E-01	8.20E-04	Onsite	Non-Resident
R2738	488,515	3,626,862	2.63E-01	8.50E-04	Onsite	Non-Resident
R2739	488,540	3,626,862	2.73E-01	8.82E-04	Onsite	Non-Resident
R2740	488,565	3,626,862	2.83E-01	9.15E-04	Onsite	Non-Resident
R2741	488,590	3,626,862	2.94E-01	9.50E-04	Onsite	Non-Resident
R2742	488,615	3,626,862	3.06E-01	9.88E-04	Onsite	Non-Resident
R2800	488,365	3,626,887	2.06E-01	6.66E-04	Onsite	Non-Resident
R2801	488,390	3,626,887	2.13E-01	6.88E-04	Onsite	Non-Resident
R2802	488,415	3,626,887	2.20E-01	7.10E-04	Onsite	Non-Resident
R2803	488,440	3,626,887	2.27E-01	7.33E-04	Onsite	Non-Resident
R2804	488,465	3,626,887	2.34E-01	7.58E-04	Onsite	Non-Resident
R2805	488,490	3,626,887	2.43E-01	7.84E-04	Onsite	Non-Resident
R2806	488,515	3,626,887	2.51E-01	8.11E-04	Onsite	Non-Resident
R2807	488,540	3,626,887	2.60E-01	8.40E-04	Onsite	Non-Resident
R2808	488,565	3,626,887	2.69E-01	8.70E-04	Onsite	Non-Resident
R2809	488,590	3,626,887	2.79E-01	9.02E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R2810	488,615	3,626,887	2.90E-01	9.36E-04	Onsite	Non-Resident
R2811	488,640	3,626,887	3.00E-01	9.71E-04	Onsite	Non-Resident
R2812	488,665	3,626,887	3.12E-01	1.01E-03	Onsite	Non-Resident
R2868	488,415	3,626,912	2.11E-01	6.83E-04	Onsite	Non-Resident
R2869	488,440	3,626,912	2.18E-01	7.05E-04	Onsite	Non-Resident
R2870	488,465	3,626,912	2.25E-01	7.27E-04	Onsite	Non-Resident
R2871	488,490	3,626,912	2.33E-01	7.52E-04	Onsite	Non-Resident
R2872	488,515	3,626,912	2.41E-01	7.77E-04	Onsite	Non-Resident
R2873	488,540	3,626,912	2.49E-01	8.04E-04	Onsite	Non-Resident
R2874	488,565	3,626,912	2.57E-01	8.32E-04	Onsite	Non-Resident
R2875	488,590	3,626,912	2.66E-01	8.61E-04	Onsite	Non-Resident
R2876	488,615	3,626,912	2.76E-01	8.92E-04	Onsite	Non-Resident
R2877	488,640	3,626,912	2.86E-01	9.24E-04	Onsite	Non-Resident
R2878	488,665	3,626,912	2.96E-01	9.58E-04	Onsite	Non-Resident
R2879	488,690	3,626,912	3.07E-01	9.93E-04	Onsite	Non-Resident
R2880	488,715	3,626,912	3.19E-01	1.03E-03	Onsite	Non-Resident
R2881	488,740	3,626,912	3.31E-01	1.07E-03	Onsite	Non-Resident
R2933	488,440	3,626,937	2.10E-01	6.79E-04	Onsite	Non-Resident
R2934	488,465	3,626,937	2.17E-01	7.01E-04	Onsite	Non-Resident
R2935	488,490	3,626,937	2.24E-01	7.24E-04	Onsite	Non-Resident
R2936	488,515	3,626,937	2.31E-01	7.48E-04	Onsite	Non-Resident
R2937	488,540	3,626,937	2.39E-01	7.73E-04	Onsite	Non-Resident
R2938	488,565	3,626,937	2.47E-01	7.99E-04	Onsite	Non-Resident
R2939	488,590	3,626,937	2.56E-01	8.26E-04	Onsite	Non-Resident
R2940	488,615	3,626,937	2.65E-01	8.55E-04	Onsite	Non-Resident
R2941	488,640	3,626,937	2.74E-01	8.85E-04	Onsite	Non-Resident
R2942	488,665	3,626,937	2.84E-01	9.16E-04	Onsite	Non-Resident
R2943	488,690	3,626,937	2.94E-01	9.49E-04	Onsite	Non-Resident
R2944	488,715	3,626,937	3.04E-01	9.83E-04	Onsite	Non-Resident
R2945	488,740	3,626,937	3.15E-01	1.02E-03	Onsite	Non-Resident
R2946	488,765	3,626,937	3.27E-01	1.06E-03	Onsite	Non-Resident
R2947	488,790	3,626,937	3.39E-01	1.10E-03	Onsite	Non-Resident
R2997	488,490	3,626,962	2.16E-01	6.98E-04	Onsite	Non-Resident
R2998	488,515	3,626,962	2.23E-01	7.21E-04	Onsite	Non-Resident
R2999	488,540	3,626,962	2.31E-01	7.45E-04	Onsite	Non-Resident
R3000	488,565	3,626,962	2.38E-01	7.70E-04	Onsite	Non-Resident
R3001	488,590	3,626,962	2.46E-01	7.96E-04	Onsite	Non-Resident
R3002	488,615	3,626,962	2.55E-01	8.23E-04	Onsite	Non-Resident
R3003	488,640	3,626,962	2.63E-01	8.51E-04	Onsite	Non-Resident
R3004	488,665	3,626,962	2.73E-01	8.81E-04	Onsite	Non-Resident
R3005	488,690	3,626,962	2.82E-01	9.12E-04	Onsite	Non-Resident
R3006	488,715	3,626,962	2.92E-01	9.44E-04	Onsite	Non-Resident
R3007	488,740	3,626,962	3.03E-01	9.78E-04	Onsite	Non-Resident
R3008	488,765	3,626,962	3.14E-01	1.01E-03	Onsite	Non-Resident
R3009	488,790	3,626,962	3.25E-01	1.05E-03	Onsite	Non-Resident
R3010	488,815	3,626,962	3.37E-01	1.09E-03	Onsite	Non-Resident
R3011	488,840	3,626,962	3.50E-01	1.13E-03	Onsite	Non-Resident
R3012	488,865	3,626,962	3.63E-01	1.17E-03	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3058	488,515	3,626,987	2.16E-01	6.98E-04	Onsite	Non-Resident
R3059	488,540	3,626,987	2.23E-01	7.21E-04	Onsite	Non-Resident
R3060	488,565	3,626,987	2.30E-01	7.44E-04	Onsite	Non-Resident
R3061	488,590	3,626,987	2.38E-01	7.69E-04	Onsite	Non-Resident
R3062	488,615	3,626,987	2.46E-01	7.95E-04	Onsite	Non-Resident
R3063	488,640	3,626,987	2.54E-01	8.22E-04	Onsite	Non-Resident
R3064	488,665	3,626,987	2.63E-01	8.50E-04	Onsite	Non-Resident
R3065	488,690	3,626,987	2.72E-01	8.80E-04	Onsite	Non-Resident
R3066	488,715	3,626,987	2.82E-01	9.11E-04	Onsite	Non-Resident
R3067	488,740	3,626,987	2.92E-01	9.43E-04	Onsite	Non-Resident
R3068	488,765	3,626,987	3.02E-01	9.77E-04	Onsite	Non-Resident
R3069	488,790	3,626,987	3.13E-01	1.01E-03	Onsite	Non-Resident
R3070	488,815	3,626,987	3.25E-01	1.05E-03	Onsite	Non-Resident
R3071	488,840	3,626,987	3.37E-01	1.09E-03	Onsite	Non-Resident
R3072	488,865	3,626,987	3.50E-01	1.13E-03	Onsite	Non-Resident
R3073	488,890	3,626,987	3.63E-01	1.17E-03	Onsite	Non-Resident
R3074	488,915	3,626,987	3.77E-01	1.22E-03	Onsite	Non-Resident
R3075	488,940	3,626,987	3.92E-01	1.27E-03	Onsite	Non-Resident
R3076	488,965	3,626,987	4.07E-01	1.32E-03	Onsite	Non-Resident
R3118	488,565	3,627,012	2.23E-01	7.22E-04	Onsite	Non-Resident
R3119	488,590	3,627,012	2.31E-01	7.45E-04	Onsite	Non-Resident
R3120	488,615	3,627,012	2.38E-01	7.70E-04	Onsite	Non-Resident
R3121	488,640	3,627,012	2.46E-01	7.96E-04	Onsite	Non-Resident
R3122	488,665	3,627,012	2.55E-01	8.24E-04	Onsite	Non-Resident
R3123	488,690	3,627,012	2.64E-01	8.52E-04	Onsite	Non-Resident
R3124	488,715	3,627,012	2.73E-01	8.82E-04	Onsite	Non-Resident
R3125	488,740	3,627,012	2.83E-01	9.14E-04	Onsite	Non-Resident
R3126	488,765	3,627,012	2.93E-01	9.46E-04	Onsite	Non-Resident
R3127	488,790	3,627,012	3.04E-01	9.81E-04	Onsite	Non-Resident
R3128	488,815	3,627,012	3.15E-01	1.02E-03	Onsite	Non-Resident
R3129	488,840	3,627,012	3.27E-01	1.06E-03	Onsite	Non-Resident
R3130	488,865	3,627,012	3.39E-01	1.10E-03	Onsite	Non-Resident
R3131	488,890	3,627,012	3.52E-01	1.14E-03	Onsite	Non-Resident
R3132	488,915	3,627,012	3.66E-01	1.18E-03	Onsite	Non-Resident
R3133	488,940	3,627,012	3.81E-01	1.23E-03	Onsite	Non-Resident
R3134	488,965	3,627,012	3.96E-01	1.28E-03	Onsite	Non-Resident
R3135	488,990	3,627,012	4.13E-01	1.34E-03	Onsite	Non-Resident
R3136	489,015	3,627,012	4.32E-01	1.39E-03	Onsite	Non-Resident
R3137	489,040	3,627,012	4.53E-01	1.47E-03	Onsite	Non-Resident
R3175	488,615	3,627,037	2.32E-01	7.48E-04	Onsite	Non-Resident
R3176	488,640	3,627,037	2.39E-01	7.74E-04	Onsite	Non-Resident
R3177	488,665	3,627,037	2.48E-01	8.00E-04	Onsite	Non-Resident
R3178	488,690	3,627,037	2.56E-01	8.28E-04	Onsite	Non-Resident
R3179	488,715	3,627,037	2.65E-01	8.57E-04	Onsite	Non-Resident
R3180	488,740	3,627,037	2.75E-01	8.88E-04	Onsite	Non-Resident
R3181	488,765	3,627,037	2.85E-01	9.20E-04	Onsite	Non-Resident
R3182	488,790	3,627,037	2.95E-01	9.54E-04	Onsite	Non-Resident
R3183	488,815	3,627,037	3.06E-01	9.90E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3184	488,840	3,627,037	3.18E-01	1.03E-03	Onsite	Non-Resident
R3185	488,865	3,627,037	3.30E-01	1.07E-03	Onsite	Non-Resident
R3186	488,890	3,627,037	3.43E-01	1.11E-03	Onsite	Non-Resident
R3187	488,915	3,627,037	3.57E-01	1.15E-03	Onsite	Non-Resident
R3188	488,940	3,627,037	3.72E-01	1.20E-03	Onsite	Non-Resident
R3189	488,965	3,627,037	3.88E-01	1.25E-03	Onsite	Non-Resident
R3190	488,990	3,627,037	4.05E-01	1.31E-03	Onsite	Non-Resident
R3191	489,015	3,627,037	4.23E-01	1.37E-03	Onsite	Non-Resident
R3192	489,040	3,627,037	4.44E-01	1.43E-03	Onsite	Non-Resident
R3193	489,065	3,627,037	4.67E-01	1.51E-03	Onsite	Non-Resident
R3194	489,090	3,627,037	4.93E-01	1.59E-03	Onsite	Non-Resident
R3195	489,115	3,627,037	5.23E-01	1.69E-03	Onsite	Non-Resident
R3196	489,140	3,627,037	5.60E-01	1.81E-03	Onsite	Non-Resident
R3197	489,165	3,627,037	6.02E-01	1.95E-03	Onsite	Non-Resident
R3229	488,665	3,627,062	2.41E-01	7.79E-04	Onsite	Non-Resident
R3230	488,690	3,627,062	2.50E-01	8.07E-04	Onsite	Non-Resident
R3231	488,715	3,627,062	2.58E-01	8.35E-04	Onsite	Non-Resident
R3232	488,740	3,627,062	2.68E-01	8.65E-04	Onsite	Non-Resident
R3233	488,765	3,627,062	2.78E-01	8.97E-04	Onsite	Non-Resident
R3234	488,790	3,627,062	2.87E-01	9.28E-04	Onsite	Non-Resident
R3235	488,815	3,627,062	2.99E-01	9.66E-04	Onsite	Non-Resident
R3236	488,840	3,627,062	3.10E-01	1.00E-03	Onsite	Non-Resident
R3237	488,865	3,627,062	3.23E-01	1.04E-03	Onsite	Non-Resident
R3238	488,890	3,627,062	3.36E-01	1.09E-03	Onsite	Non-Resident
R3239	488,915	3,627,062	3.50E-01	1.13E-03	Onsite	Non-Resident
R3240	488,940	3,627,062	3.65E-01	1.18E-03	Onsite	Non-Resident
R3241	488,965	3,627,062	3.81E-01	1.23E-03	Onsite	Non-Resident
R3242	488,990	3,627,062	3.98E-01	1.29E-03	Onsite	Non-Resident
R3243	489,015	3,627,062	4.17E-01	1.35E-03	Onsite	Non-Resident
R3244	489,040	3,627,062	4.38E-01	1.42E-03	Onsite	Non-Resident
R3245	489,065	3,627,062	4.61E-01	1.49E-03	Onsite	Non-Resident
R3246	489,090	3,627,062	4.88E-01	1.58E-03	Onsite	Non-Resident
R3247	489,115	3,627,062	5.19E-01	1.68E-03	Onsite	Non-Resident
R3248	489,140	3,627,062	5.56E-01	1.80E-03	Onsite	Non-Resident
R3249	489,165	3,627,062	6.00E-01	1.94E-03	Onsite	Non-Resident
R3250	489,190	3,627,062	6.53E-01	2.11E-03	Onsite	Non-Resident
R3251	489,215	3,627,062	7.21E-01	2.33E-03	Onsite	Non-Resident
R3252	489,240	3,627,062	8.09E-01	2.61E-03	Onsite	Non-Resident
R3253	489,265	3,627,062	9.38E-01	3.03E-03	Onsite	Non-Resident
R3280	488,740	3,627,087	2.61E-01	8.42E-04	Onsite	Non-Resident
R3281	488,765	3,627,087	2.70E-01	8.73E-04	Onsite	Non-Resident
R3282	488,790	3,627,087	2.81E-01	9.07E-04	Onsite	Non-Resident
R3283	488,815	3,627,087	2.91E-01	9.42E-04	Onsite	Non-Resident
R3284	488,840	3,627,087	3.03E-01	9.80E-04	Onsite	Non-Resident
R3285	488,865	3,627,087	3.16E-01	1.02E-03	Onsite	Non-Resident
R3286	488,890	3,627,087	3.29E-01	1.06E-03	Onsite	Non-Resident
R3287	488,915	3,627,087	3.44E-01	1.11E-03	Onsite	Non-Resident
R3288	488,940	3,627,087	3.59E-01	1.16E-03	Onsite	Non-Resident



Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3289	488,965	3,627,087	4.52E+00	1.21E-03	Onsite	Resident
R3290	488,990	3,627,087	3.93E-01	1.27E-03	Onsite	Non-Resident
R3291	489,015	3,627,087	4.13E-01	1.33E-03	Onsite	Non-Resident
R3292	489,040	3,627,087	4.34E-01	1.40E-03	Onsite	Non-Resident
R3293	489,065	3,627,087	4.58E-01	1.48E-03	Onsite	Non-Resident
R3294	489,090	3,627,087	4.85E-01	1.57E-03	Onsite	Non-Resident
R3295	489,115	3,627,087	5.18E-01	1.67E-03	Onsite	Non-Resident
R3296	489,140	3,627,087	5.56E-01	1.80E-03	Onsite	Non-Resident
R3297	489,165	3,627,087	6.02E-01	1.95E-03	Onsite	Non-Resident
R3298	489,190	3,627,087	6.59E-01	2.13E-03	Onsite	Non-Resident
R3299	489,215	3,627,087	7.31E-01	2.36E-03	Onsite	Non-Resident
R3300	489,240	3,627,087	8.26E-01	2.67E-03	Onsite	Non-Resident
R3301	489,265	3,627,087	9.70E-01	3.13E-03	Onsite	Non-Resident
R3327	488,815	3,627,112	2.86E-01	9.23E-04	Onsite	Non-Resident
R3328	488,840	3,627,112	3.58E+00	9.61E-04	Onsite	Resident
R3329	488,865	3,627,112	3.73E+00	1.00E-03	Onsite	Resident
R3330	488,890	3,627,112	3.23E-01	1.05E-03	Onsite	Non-Resident
R3331	488,915	3,627,112	4.07E+00	1.09E-03	Onsite	Resident
R3332	488,940	3,627,112	4.26E+00	1.15E-03	Onsite	Resident
R3333	488,965	3,627,112	4.46E+00	1.20E-03	Onsite	Resident
R3334	488,990	3,627,112	3.89E-01	1.26E-03	Onsite	Non-Resident
R3335	489,015	3,627,112	4.09E-01	1.32E-03	Onsite	Non-Resident
R3336	489,040	3,627,112	4.32E-01	1.39E-03	Onsite	Non-Resident
R3337	489,065	3,627,112	4.56E-01	1.47E-03	Onsite	Non-Resident
R3338	489,090	3,627,112	4.85E-01	1.57E-03	Onsite	Non-Resident
R3339	489,115	3,627,112	5.19E-01	1.68E-03	Onsite	Non-Resident
R3340	489,140	3,627,112	5.59E-01	1.81E-03	Onsite	Non-Resident
R3341	489,165	3,627,112	6.08E-01	1.96E-03	Onsite	Non-Resident
R3342	489,190	3,627,112	6.69E-01	2.16E-03	Onsite	Non-Resident
R3343	489,215	3,627,112	7.46E-01	2.41E-03	Onsite	Non-Resident
R3344	489,240	3,627,112	8.49E-01	2.74E-03	Onsite	Non-Resident
R3345	489,265	3,627,112	1.00E+00	3.23E-03	Onsite	Non-Resident
R3370	488,915	3,627,137	4.01E+00	1.08E-03	Onsite	Resident
R3371	488,940	3,627,137	4.21E+00	1.13E-03	Onsite	Resident
R3372	488,965	3,627,137	4.42E+00	1.19E-03	Onsite	Resident
R3373	488,990	3,627,137	3.87E-01	1.25E-03	Onsite	Non-Resident
R3374	489,015	3,627,137	4.07E-01	1.32E-03	Onsite	Non-Resident
R3375	489,040	3,627,137	4.30E-01	1.39E-03	Onsite	Non-Resident
R3376	489,065	3,627,137	4.56E-01	1.47E-03	Onsite	Non-Resident
R3377	489,090	3,627,137	4.86E-01	1.57E-03	Onsite	Non-Resident
R3378	489,115	3,627,137	5.21E-01	1.68E-03	Onsite	Non-Resident
R3379	489,140	3,627,137	5.64E-01	1.82E-03	Onsite	Non-Resident
R3380	489,165	3,627,137	6.16E-01	1.99E-03	Onsite	Non-Resident
R3381	489,190	3,627,137	6.81E-01	2.20E-03	Onsite	Non-Resident
R3382	489,215	3,627,137	7.65E-01	2.47E-03	Onsite	Non-Resident
R3383	489,240	3,627,137	8.78E-01	2.84E-03	Onsite	Non-Resident
R3384	489,265	3,627,137	1.04E+00	3.37E-03	Onsite	Non-Resident
R3407	488,940	3,627,162	4.16E+00	1.12E-03	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3408	488,965	3,627,162	4.39E+00	1.18E-03	Onsite	Resident
R3409	488,990	3,627,162	3.84E-01	1.24E-03	Onsite	Non-Resident
R3410	489,015	3,627,162	4.06E-01	1.31E-03	Onsite	Non-Resident
R3411	489,040	3,627,162	4.30E-01	1.39E-03	Onsite	Non-Resident
R3412	489,065	3,627,162	4.57E-01	1.48E-03	Onsite	Non-Resident
R3413	489,090	3,627,162	4.88E-01	1.58E-03	Onsite	Non-Resident
R3414	489,115	3,627,162	5.25E-01	1.70E-03	Onsite	Non-Resident
R3415	489,140	3,627,162	5.70E-01	1.84E-03	Onsite	Non-Resident
R3416	489,165	3,627,162	6.26E-01	2.02E-03	Onsite	Non-Resident
R3417	489,190	3,627,162	6.95E-01	2.25E-03	Onsite	Non-Resident
R3418	489,215	3,627,162	7.87E-01	2.54E-03	Onsite	Non-Resident
R3419	489,240	3,627,162	9.11E-01	2.94E-03	Onsite	Non-Resident
R3420	489,265	3,627,162	1.09E+00	3.54E-03	Onsite	Non-Resident
R3442	488,915	3,627,187	3.26E-01	1.05E-03	Onsite	Non-Resident
R3443	488,940	3,627,187	3.43E-01	1.11E-03	Onsite	Non-Resident
R3444	488,965	3,627,187	3.62E-01	1.17E-03	Onsite	Non-Resident
R3445	488,990	3,627,187	3.83E-01	1.24E-03	Onsite	Non-Resident
R3446	489,015	3,627,187	4.05E-01	1.31E-03	Onsite	Non-Resident
R3447	489,040	3,627,187	4.30E-01	1.39E-03	Onsite	Non-Resident
R3448	489,065	3,627,187	4.59E-01	1.48E-03	Onsite	Non-Resident
R3449	489,090	3,627,187	4.91E-01	1.59E-03	Onsite	Non-Resident
R3450	489,115	3,627,187	5.30E-01	1.71E-03	Onsite	Non-Resident
R3451	489,140	3,627,187	5.77E-01	1.87E-03	Onsite	Non-Resident
R3452	489,165	3,627,187	6.37E-01	2.06E-03	Onsite	Non-Resident
R3453	489,190	3,627,187	7.12E-01	2.30E-03	Onsite	Non-Resident
R3454	489,215	3,627,187	8.11E-01	2.62E-03	Onsite	Non-Resident
R3455	489,240	3,627,187	9.49E-01	3.07E-03	Onsite	Non-Resident
R3456	489,265	3,627,187	1.16E+00	3.74E-03	Onsite	Non-Resident
R3477	488,915	3,627,212	3.23E-01	1.05E-03	Onsite	Non-Resident
R3478	488,940	3,627,212	4.10E+00	1.10E-03	Onsite	Resident
R3479	488,965	3,627,212	4.33E+00	1.16E-03	Onsite	Resident
R3480	488,990	3,627,212	4.59E+00	1.23E-03	Onsite	Resident
R3481	489,015	3,627,212	4.87E+00	1.31E-03	Onsite	Resident
R3482	489,040	3,627,212	5.19E+00	1.39E-03	Onsite	Resident
R3483	489,065	3,627,212	4.61E-01	1.49E-03	Onsite	Non-Resident
R3484	489,090	3,627,212	4.95E-01	1.60E-03	Onsite	Non-Resident
R3485	489,115	3,627,212	5.35E-01	1.73E-03	Onsite	Non-Resident
R3486	489,140	3,627,212	5.86E-01	1.89E-03	Onsite	Non-Resident
R3487	489,165	3,627,212	6.49E-01	2.10E-03	Onsite	Non-Resident
R3488	489,190	3,627,212	7.31E-01	2.36E-03	Onsite	Non-Resident
R3489	489,215	3,627,212	8.39E-01	2.71E-03	Onsite	Non-Resident
R3490	489,240	3,627,212	9.94E-01	3.21E-03	Onsite	Non-Resident
R3491	489,265	3,627,212	1.23E+00	3.99E-03	Onsite	Non-Resident
R3512	488,915	3,627,237	3.20E-01	1.03E-03	Onsite	Non-Resident
R3513	488,940	3,627,237	4.07E+00	1.09E-03	Onsite	Resident
R3514	488,965	3,627,237	4.31E+00	1.16E-03	Onsite	Resident
R3515	488,990	3,627,237	4.57E+00	1.23E-03	Onsite	Resident
R3516	489,015	3,627,237	4.87E+00	1.31E-03	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3517	489,040	3,627,237	4.32E-01	1.40E-03	Onsite	Non-Resident
R3518	489,065	3,627,237	4.63E-01	1.50E-03	Onsite	Non-Resident
R3519	489,090	3,627,237	4.99E-01	1.61E-03	Onsite	Non-Resident
R3520	489,115	3,627,237	5.42E-01	1.75E-03	Onsite	Non-Resident
R3521	489,140	3,627,237	5.95E-01	1.92E-03	Onsite	Non-Resident
R3522	489,165	3,627,237	6.63E-01	2.14E-03	Onsite	Non-Resident
R3523	489,190	3,627,237	7.51E-01	2.43E-03	Onsite	Non-Resident
R3524	489,215	3,627,237	8.71E-01	2.82E-03	Onsite	Non-Resident
R3525	489,240	3,627,237	1.04E+00	3.38E-03	Onsite	Non-Resident
R3547	488,890	3,627,262	3.62E+00	9.73E-04	Onsite	Resident
R3548	488,915	3,627,262	3.17E-01	1.03E-03	Onsite	Non-Resident
R3549	488,940	3,627,262	4.04E+00	1.09E-03	Onsite	Resident
R3550	488,965	3,627,262	4.28E+00	1.15E-03	Onsite	Resident
R3551	488,990	3,627,262	4.56E+00	1.23E-03	Onsite	Resident
R3552	489,015	3,627,262	4.05E-01	1.31E-03	Onsite	Non-Resident
R3553	489,040	3,627,262	4.33E-01	1.40E-03	Onsite	Non-Resident
R3554	489,065	3,627,262	4.65E-01	1.50E-03	Onsite	Non-Resident
R3555	489,090	3,627,262	5.03E-01	1.62E-03	Onsite	Non-Resident
R3556	489,115	3,627,262	5.48E-01	1.77E-03	Onsite	Non-Resident
R3557	489,140	3,627,262	6.05E-01	1.96E-03	Onsite	Non-Resident
R3558	489,165	3,627,262	6.79E-01	2.19E-03	Onsite	Non-Resident
R3559	489,190	3,627,262	7.75E-01	2.50E-03	Onsite	Non-Resident
R3560	489,215	3,627,262	9.08E-01	2.93E-03	Onsite	Non-Resident
R3561	489,240	3,627,262	1.10E+00	3.57E-03	Onsite	Non-Resident
R3583	488,890	3,627,287	3.59E+00	9.64E-04	Onsite	Resident
R3584	488,915	3,627,287	3.15E-01	1.02E-03	Onsite	Non-Resident
R3585	488,940	3,627,287	4.01E+00	1.08E-03	Onsite	Resident
R3586	488,965	3,627,287	3.54E-01	1.15E-03	Onsite	Non-Resident
R3587	488,990	3,627,287	3.78E-01	1.22E-03	Onsite	Non-Resident
R3588	489,015	3,627,287	4.04E-01	1.31E-03	Onsite	Non-Resident
R3589	489,040	3,627,287	4.34E-01	1.40E-03	Onsite	Non-Resident
R3590	489,065	3,627,287	4.68E-01	1.51E-03	Onsite	Non-Resident
R3591	489,090	3,627,287	5.07E-01	1.64E-03	Onsite	Non-Resident
R3592	489,115	3,627,287	6.67E+00	1.79E-03	Onsite	Resident
R3593	489,140	3,627,287	6.16E-01	1.99E-03	Onsite	Non-Resident
R3594	489,165	3,627,287	6.94E-01	2.24E-03	Onsite	Non-Resident
R3595	489,190	3,627,287	7.99E-01	2.58E-03	Onsite	Non-Resident
R3596	489,215	3,627,287	9.47E-01	3.06E-03	Onsite	Non-Resident
R3597	489,240	3,627,287	1.17E+00	3.79E-03	Onsite	Non-Resident
R3618	488,890	3,627,312	3.55E+00	9.53E-04	Onsite	Resident
R3619	488,915	3,627,312	3.12E-01	1.01E-03	Onsite	Non-Resident
R3620	488,940	3,627,312	3.31E-01	1.07E-03	Onsite	Non-Resident
R3621	488,965	3,627,312	3.52E-01	1.14E-03	Onsite	Non-Resident
R3622	488,990	3,627,312	3.77E-01	1.22E-03	Onsite	Non-Resident
R3623	489,015	3,627,312	4.03E-01	1.30E-03	Onsite	Non-Resident
R3624	489,040	3,627,312	5.22E+00	1.40E-03	Onsite	Resident
R3625	489,065	3,627,312	5.64E+00	1.52E-03	Onsite	Resident
R3626	489,090	3,627,312	5.10E-01	1.65E-03	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3627	489,115	3,627,312	6.75E+00	1.81E-03	Onsite	Resident
R3628	489,140	3,627,312	6.26E-01	2.02E-03	Onsite	Non-Resident
R3629	489,165	3,627,312	7.10E-01	2.30E-03	Onsite	Non-Resident
R3630	489,190	3,627,312	8.25E-01	2.67E-03	Onsite	Non-Resident
R3631	489,215	3,627,312	9.89E-01	3.20E-03	Onsite	Non-Resident
R3632	489,240	3,627,312	1.26E+00	4.06E-03	Onsite	Non-Resident
R3653	488,890	3,627,337	3.51E+00	9.43E-04	Onsite	Resident
R3654	488,915	3,627,337	3.09E-01	9.99E-04	Onsite	Non-Resident
R3655	488,940	3,627,337	3.28E-01	1.06E-03	Onsite	Non-Resident
R3656	488,965	3,627,337	3.50E-01	1.13E-03	Onsite	Non-Resident
R3657	488,990	3,627,337	4.51E+00	1.21E-03	Onsite	Resident
R3658	489,015	3,627,337	4.02E-01	1.30E-03	Onsite	Non-Resident
R3659	489,040	3,627,337	5.22E+00	1.40E-03	Onsite	Resident
R3660	489,065	3,627,337	5.66E+00	1.52E-03	Onsite	Resident
R3661	489,090	3,627,337	5.13E-01	1.66E-03	Onsite	Non-Resident
R3662	489,115	3,627,337	6.82E+00	1.83E-03	Onsite	Resident
R3663	489,140	3,627,337	6.35E-01	2.05E-03	Onsite	Non-Resident
R3664	489,165	3,627,337	7.25E-01	2.34E-03	Onsite	Non-Resident
R3665	489,190	3,627,337	8.48E-01	2.74E-03	Onsite	Non-Resident
R3666	489,215	3,627,337	1.03E+00	3.33E-03	Onsite	Non-Resident
R3667	489,240	3,627,337	1.32E+00	4.26E-03	Onsite	Non-Resident
R3688	488,890	3,627,362	3.47E+00	9.32E-04	Onsite	Resident
R3689	488,915	3,627,362	3.68E+00	9.89E-04	Onsite	Resident
R3690	488,940	3,627,362	3.92E+00	1.05E-03	Onsite	Resident
R3691	488,965	3,627,362	4.18E+00	1.12E-03	Onsite	Resident
R3692	488,990	3,627,362	4.48E+00	1.20E-03	Onsite	Resident
R3693	489,015	3,627,362	4.01E-01	1.29E-03	Onsite	Non-Resident
R3694	489,040	3,627,362	5.21E+00	1.40E-03	Onsite	Resident
R3695	489,065	3,627,362	5.66E+00	1.52E-03	Onsite	Resident
R3696	489,090	3,627,362	5.16E-01	1.67E-03	Onsite	Non-Resident
R3697	489,115	3,627,362	6.87E+00	1.85E-03	Onsite	Resident
R3698	489,140	3,627,362	6.43E-01	2.08E-03	Onsite	Non-Resident
R3699	489,165	3,627,362	7.38E-01	2.38E-03	Onsite	Non-Resident
R3700	489,190	3,627,362	8.69E-01	2.81E-03	Onsite	Non-Resident
R3701	489,215	3,627,362	1.07E+00	3.44E-03	Onsite	Non-Resident
R3723	488,890	3,627,387	3.42E+00	9.20E-04	Onsite	Resident
R3724	488,915	3,627,387	3.64E+00	9.78E-04	Onsite	Resident
R3725	488,940	3,627,387	3.88E+00	1.04E-03	Onsite	Resident
R3726	488,965	3,627,387	4.15E+00	1.11E-03	Onsite	Resident
R3727	488,990	3,627,387	4.45E+00	1.20E-03	Onsite	Resident
R3728	489,015	3,627,387	3.98E-01	1.29E-03	Onsite	Non-Resident
R3729	489,040	3,627,387	5.19E+00	1.39E-03	Onsite	Resident
R3730	489,065	3,627,387	5.66E+00	1.52E-03	Onsite	Resident
R3731	489,090	3,627,387	6.22E+00	1.67E-03	Onsite	Resident
R3732	489,115	3,627,387	6.92E+00	1.86E-03	Onsite	Resident
R3733	489,140	3,627,387	6.49E-01	2.10E-03	Onsite	Non-Resident
R3734	489,165	3,627,387	7.49E-01	2.42E-03	Onsite	Non-Resident
R3735	489,190	3,627,387	8.87E-01	2.87E-03	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3736	489,215	3,627,387	1.10E+00	3.55E-03	Onsite	Non-Resident
R3757	488,890	3,627,412	3.38E+00	9.07E-04	Onsite	Resident
R3758	488,915	3,627,412	3.59E+00	9.66E-04	Onsite	Resident
R3759	488,940	3,627,412	3.83E+00	1.03E-03	Onsite	Resident
R3760	488,965	3,627,412	4.10E+00	1.10E-03	Onsite	Resident
R3761	488,990	3,627,412	4.41E+00	1.18E-03	Onsite	Resident
R3762	489,015	3,627,412	3.95E-01	1.28E-03	Onsite	Non-Resident
R3763	489,040	3,627,412	5.16E+00	1.39E-03	Onsite	Resident
R3764	489,065	3,627,412	5.65E+00	1.52E-03	Onsite	Resident
R3765	489,090	3,627,412	6.23E+00	1.67E-03	Onsite	Resident
R3766	489,115	3,627,412	6.95E+00	1.87E-03	Onsite	Resident
R3767	489,140	3,627,412	6.55E-01	2.12E-03	Onsite	Non-Resident
R3768	489,165	3,627,412	7.58E-01	2.45E-03	Onsite	Non-Resident
R3769	489,190	3,627,412	9.02E-01	2.92E-03	Onsite	Non-Resident
R3770	489,215	3,627,412	1.12E+00	3.63E-03	Onsite	Non-Resident
R3791	488,890	3,627,437	3.32E+00	8.93E-04	Onsite	Resident
R3792	488,915	3,627,437	3.54E+00	9.51E-04	Onsite	Resident
R3793	488,940	3,627,437	3.78E+00	1.02E-03	Onsite	Resident
R3794	488,965	3,627,437	4.05E+00	1.09E-03	Onsite	Resident
R3795	488,990	3,627,437	4.36E+00	1.17E-03	Onsite	Resident
R3796	489,015	3,627,437	3.92E-01	1.27E-03	Onsite	Non-Resident
R3797	489,040	3,627,437	5.13E+00	1.38E-03	Onsite	Resident
R3798	489,065	3,627,437	5.62E+00	1.51E-03	Onsite	Resident
R3799	489,090	3,627,437	6.22E+00	1.67E-03	Onsite	Resident
R3800	489,115	3,627,437	6.96E+00	1.87E-03	Onsite	Resident
R3801	489,140	3,627,437	6.58E-01	2.13E-03	Onsite	Non-Resident
R3802	489,165	3,627,437	7.64E-01	2.47E-03	Onsite	Non-Resident
R3803	489,190	3,627,437	9.14E-01	2.96E-03	Onsite	Non-Resident
R3804	489,215	3,627,437	1.15E+00	3.71E-03	Onsite	Non-Resident
R3825	488,890	3,627,462	3.26E+00	8.77E-04	Onsite	Resident
R3826	488,915	3,627,462	3.48E+00	9.34E-04	Onsite	Resident
R3827	488,940	3,627,462	3.09E-01	9.99E-04	Onsite	Non-Resident
R3828	488,965	3,627,462	3.99E+00	1.07E-03	Onsite	Resident
R3829	488,990	3,627,462	4.30E+00	1.15E-03	Onsite	Resident
R3830	489,015	3,627,462	4.66E+00	1.25E-03	Onsite	Resident
R3831	489,040	3,627,462	5.08E+00	1.37E-03	Onsite	Resident
R3832	489,065	3,627,462	5.59E+00	1.50E-03	Onsite	Resident
R3833	489,090	3,627,462	5.15E-01	1.67E-03	Onsite	Non-Resident
R3834	489,115	3,627,462	5.78E-01	1.87E-03	Onsite	Non-Resident
R3835	489,140	3,627,462	6.59E-01	2.13E-03	Onsite	Non-Resident
R3836	489,165	3,627,462	7.69E-01	2.48E-03	Onsite	Non-Resident
R3837	489,190	3,627,462	9.24E-01	2.99E-03	Onsite	Non-Resident
R3838	489,215	3,627,462	1.18E+00	3.81E-03	Onsite	Non-Resident
R3859	488,890	3,627,487	3.20E+00	8.59E-04	Onsite	Resident
R3860	488,915	3,627,487	2.83E-01	9.16E-04	Onsite	Non-Resident
R3861	488,940	3,627,487	3.03E-01	9.80E-04	Onsite	Non-Resident
R3862	488,965	3,627,487	3.26E-01	1.05E-03	Onsite	Non-Resident
R3863	488,990	3,627,487	3.52E-01	1.14E-03	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3864	489,015	3,627,487	4.60E+00	1.24E-03	Onsite	Resident
R3865	489,040	3,627,487	5.03E+00	1.35E-03	Onsite	Resident
R3866	489,065	3,627,487	5.54E+00	1.49E-03	Onsite	Resident
R3867	489,090	3,627,487	6.16E+00	1.65E-03	Onsite	Resident
R3868	489,115	3,627,487	5.76E-01	1.86E-03	Onsite	Non-Resident
R3869	489,140	3,627,487	7.92E+00	2.13E-03	Onsite	Resident
R3870	489,165	3,627,487	7.71E-01	2.49E-03	Onsite	Non-Resident
R3871	489,190	3,627,487	9.31E-01	3.01E-03	Onsite	Non-Resident
R3872	489,215	3,627,487	1.20E+00	3.88E-03	Onsite	Non-Resident
R3892	488,890	3,627,512	3.12E+00	8.39E-04	Onsite	Resident
R3893	488,915	3,627,512	3.33E+00	8.96E-04	Onsite	Resident
R3894	488,940	3,627,512	2.97E-01	9.60E-04	Onsite	Non-Resident
R3895	488,965	3,627,512	3.85E+00	1.03E-03	Onsite	Resident
R3896	488,990	3,627,512	4.16E+00	1.12E-03	Onsite	Resident
R3897	489,015	3,627,512	4.53E+00	1.22E-03	Onsite	Resident
R3898	489,040	3,627,512	4.96E+00	1.33E-03	Onsite	Resident
R3899	489,065	3,627,512	5.47E+00	1.47E-03	Onsite	Resident
R3900	489,090	3,627,512	6.10E+00	1.64E-03	Onsite	Resident
R3901	489,115	3,627,512	5.72E-01	1.85E-03	Onsite	Non-Resident
R3902	489,140	3,627,512	7.90E+00	2.12E-03	Onsite	Resident
R3903	489,165	3,627,512	9.27E+00	2.49E-03	Onsite	Resident
R3904	489,190	3,627,512	9.34E-01	3.02E-03	Onsite	Non-Resident
R3905	489,215	3,627,512	1.22E+00	3.93E-03	Onsite	Non-Resident
R3925	488,865	3,627,537	2.86E+00	7.69E-04	Onsite	Resident
R3926	488,890	3,627,537	3.05E+00	8.19E-04	Onsite	Resident
R3927	488,915	3,627,537	3.26E+00	8.75E-04	Onsite	Resident
R3928	488,940	3,627,537	2.91E-01	9.39E-04	Onsite	Non-Resident
R3929	488,965	3,627,537	3.77E+00	1.01E-03	Onsite	Resident
R3930	488,990	3,627,537	4.08E+00	1.10E-03	Onsite	Resident
R3931	489,015	3,627,537	4.44E+00	1.19E-03	Onsite	Resident
R3932	489,040	3,627,537	4.88E+00	1.31E-03	Onsite	Resident
R3933	489,065	3,627,537	5.39E+00	1.45E-03	Onsite	Resident
R3934	489,090	3,627,537	6.02E+00	1.62E-03	Onsite	Resident
R3935	489,115	3,627,537	5.67E-01	1.83E-03	Onsite	Non-Resident
R3936	489,140	3,627,537	7.84E+00	2.11E-03	Onsite	Resident
R3937	489,165	3,627,537	9.24E+00	2.48E-03	Onsite	Resident
R3938	489,190	3,627,537	9.36E-01	3.02E-03	Onsite	Non-Resident
R3939	489,215	3,627,537	1.22E+00	3.96E-03	Onsite	Non-Resident
R3959	488,865	3,627,562	2.32E-01	7.49E-04	Onsite	Non-Resident
R3960	488,890	3,627,562	2.97E+00	7.99E-04	Onsite	Resident
R3961	488,915	3,627,562	3.18E+00	8.54E-04	Onsite	Resident
R3962	488,940	3,627,562	2.84E-01	9.17E-04	Onsite	Non-Resident
R3963	488,965	3,627,562	3.68E+00	9.90E-04	Onsite	Resident
R3964	488,990	3,627,562	4.00E+00	1.07E-03	Onsite	Resident
R3965	489,015	3,627,562	4.36E+00	1.17E-03	Onsite	Resident
R3966	489,040	3,627,562	4.79E+00	1.29E-03	Onsite	Resident
R3967	489,065	3,627,562	5.30E+00	1.42E-03	Onsite	Resident
R3968	489,090	3,627,562	5.93E+00	1.59E-03	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R3969	489,115	3,627,562	6.72E+00	1.81E-03	Onsite	Resident
R3970	489,140	3,627,562	7.77E+00	2.09E-03	Onsite	Resident
R3971	489,165	3,627,562	7.64E-01	2.47E-03	Onsite	Non-Resident
R3972	489,190	3,627,562	9.35E-01	3.02E-03	Onsite	Non-Resident
R3973	489,215	3,627,562	1.22E+00	3.93E-03	Onsite	Non-Resident
R3993	488,865	3,627,587	2.71E+00	7.29E-04	Onsite	Resident
R3994	488,890	3,627,587	2.89E+00	7.77E-04	Onsite	Resident
R3995	488,915	3,627,587	3.09E+00	8.32E-04	Onsite	Resident
R3996	488,940	3,627,587	3.33E+00	8.94E-04	Onsite	Resident
R3997	488,965	3,627,587	3.59E+00	9.65E-04	Onsite	Resident
R3998	488,990	3,627,587	3.90E+00	1.05E-03	Onsite	Resident
R3999	489,015	3,627,587	4.26E+00	1.14E-03	Onsite	Resident
R4000	489,040	3,627,587	3.89E-01	1.26E-03	Onsite	Non-Resident
R4001	489,065	3,627,587	5.19E+00	1.39E-03	Onsite	Resident
R4002	489,090	3,627,587	5.82E+00	1.56E-03	Onsite	Resident
R4003	489,115	3,627,587	6.61E+00	1.78E-03	Onsite	Resident
R4004	489,140	3,627,587	6.36E-01	2.06E-03	Onsite	Non-Resident
R4005	489,165	3,627,587	7.54E-01	2.44E-03	Onsite	Non-Resident
R4006	489,190	3,627,587	9.29E-01	3.00E-03	Onsite	Non-Resident
R4007	489,215	3,627,587	1.22E+00	3.95E-03	Onsite	Non-Resident
R4027	488,865	3,627,612	2.63E+00	7.07E-04	Onsite	Resident
R4028	488,890	3,627,612	2.80E+00	7.54E-04	Onsite	Resident
R4029	488,915	3,627,612	3.00E+00	8.07E-04	Onsite	Resident
R4030	488,940	3,627,612	3.23E+00	8.68E-04	Onsite	Resident
R4031	488,965	3,627,612	3.49E+00	9.37E-04	Onsite	Resident
R4032	488,990	3,627,612	3.79E+00	1.02E-03	Onsite	Resident
R4033	489,015	3,627,612	4.14E+00	1.11E-03	Onsite	Resident
R4034	489,040	3,627,612	3.79E-01	1.23E-03	Onsite	Non-Resident
R4035	489,065	3,627,612	4.21E-01	1.36E-03	Onsite	Non-Resident
R4036	489,090	3,627,612	4.72E-01	1.53E-03	Onsite	Non-Resident
R4037	489,115	3,627,612	5.37E-01	1.74E-03	Onsite	Non-Resident
R4038	489,140	3,627,612	6.26E-01	2.02E-03	Onsite	Non-Resident
R4039	489,165	3,627,612	7.51E-01	2.43E-03	Onsite	Non-Resident
R4063	488,890	3,627,637	2.71E+00	7.29E-04	Onsite	Resident
R4064	488,915	3,627,637	2.90E+00	7.81E-04	Onsite	Resident
R4065	488,940	3,627,637	3.12E+00	8.40E-04	Onsite	Resident
R4066	488,965	3,627,637	2.81E-01	9.07E-04	Onsite	Non-Resident
R4067	488,990	3,627,637	3.05E-01	9.86E-04	Onsite	Non-Resident
R4068	489,015	3,627,637	3.34E-01	1.08E-03	Onsite	Non-Resident
R4069	489,040	3,627,637	3.68E-01	1.19E-03	Onsite	Non-Resident
R4070	489,065	3,627,637	4.10E-01	1.32E-03	Onsite	Non-Resident
R4071	489,090	3,627,637	4.61E-01	1.49E-03	Onsite	Non-Resident
R4099	488,915	3,627,662	2.80E+00	7.53E-04	Onsite	Resident
R4100	488,940	3,627,662	3.01E+00	8.10E-04	Onsite	Resident
R4101	488,965	3,627,662	2.71E-01	8.75E-04	Onsite	Non-Resident
R4102	488,990	3,627,662	2.94E-01	9.51E-04	Onsite	Non-Resident
R4103	489,015	3,627,662	3.22E-01	1.04E-03	Onsite	Non-Resident
R4972	488,840	3,627,612	2.06E-01	6.66E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R4973	488,415	3,627,587	1.02E-01	3.29E-04	Onsite	Non-Resident
R4974	488,440	3,627,587	1.05E-01	3.41E-04	Onsite	Non-Resident
R4975	488,465	3,627,587	1.10E-01	3.54E-04	Onsite	Non-Resident
R4976	488,490	3,627,587	1.14E-01	3.67E-04	Onsite	Non-Resident
R4977	488,515	3,627,587	1.18E-01	3.80E-04	Onsite	Non-Resident
R4978	488,540	3,627,587	1.22E-01	3.94E-04	Onsite	Non-Resident
R4979	488,565	3,627,587	1.27E-01	4.09E-04	Onsite	Non-Resident
R4980	488,590	3,627,587	1.32E-01	4.25E-04	Onsite	Non-Resident
R4981	488,615	3,627,587	1.37E-01	4.42E-04	Onsite	Non-Resident
R4982	488,640	3,627,587	1.43E-01	4.61E-04	Onsite	Non-Resident
R4983	488,665	3,627,587	1.49E-01	4.81E-04	Onsite	Non-Resident
R4984	488,690	3,627,587	1.56E-01	5.04E-04	Onsite	Non-Resident
R4985	488,715	3,627,587	1.63E-01	5.27E-04	Onsite	Non-Resident
R4986	488,815	3,627,587	2.00E-01	6.47E-04	Onsite	Non-Resident
R4987	488,840	3,627,587	2.12E-01	6.86E-04	Onsite	Non-Resident
R4988	488,340	3,627,562	9.54E-02	3.08E-04	Onsite	Non-Resident
R4989	488,365	3,627,562	9.83E-02	3.18E-04	Onsite	Non-Resident
R4990	488,390	3,627,562	1.02E-01	3.28E-04	Onsite	Non-Resident
R4991	488,415	3,627,562	1.05E-01	3.40E-04	Onsite	Non-Resident
R4992	488,440	3,627,562	1.09E-01	3.53E-04	Onsite	Non-Resident
R4993	488,465	3,627,562	1.13E-01	3.66E-04	Onsite	Non-Resident
R4994	488,490	3,627,562	1.17E-01	3.79E-04	Onsite	Non-Resident
R4995	488,515	3,627,562	1.21E-01	3.92E-04	Onsite	Non-Resident
R4996	488,540	3,627,562	1.26E-01	4.07E-04	Onsite	Non-Resident
R4997	488,565	3,627,562	1.31E-01	4.22E-04	Onsite	Non-Resident
R4998	488,590	3,627,562	1.36E-01	4.38E-04	Onsite	Non-Resident
R4999	488,615	3,627,562	1.41E-01	4.57E-04	Onsite	Non-Resident
R5000	488,640	3,627,562	1.47E-01	4.76E-04	Onsite	Non-Resident
R5001	488,665	3,627,562	1.53E-01	4.96E-04	Onsite	Non-Resident
R5002	488,690	3,627,562	1.60E-01	5.18E-04	Onsite	Non-Resident
R5003	488,715	3,627,562	1.68E-01	5.42E-04	Onsite	Non-Resident
R5004	488,740	3,627,562	1.76E-01	5.70E-04	Onsite	Non-Resident
R5005	488,790	3,627,562	1.95E-01	6.31E-04	Onsite	Non-Resident
R5006	488,815	3,627,562	2.06E-01	6.66E-04	Onsite	Non-Resident
R5007	488,840	3,627,562	2.18E-01	7.05E-04	Onsite	Non-Resident
R5008	488,290	3,627,537	9.24E-02	2.99E-04	Onsite	Non-Resident
R5009	488,315	3,627,537	9.53E-02	3.08E-04	Onsite	Non-Resident
R5010	488,340	3,627,537	9.82E-02	3.17E-04	Onsite	Non-Resident
R5011	488,365	3,627,537	1.01E-01	3.28E-04	Onsite	Non-Resident
R5012	488,390	3,627,537	1.06E-01	3.41E-04	Onsite	Non-Resident
R5013	488,415	3,627,537	1.09E-01	3.53E-04	Onsite	Non-Resident
R5014	488,440	3,627,537	1.13E-01	3.65E-04	Onsite	Non-Resident
R5015	488,465	3,627,537	1.17E-01	3.77E-04	Onsite	Non-Resident
R5016	488,490	3,627,537	1.21E-01	3.90E-04	Onsite	Non-Resident
R5017	488,515	3,627,537	1.25E-01	4.04E-04	Onsite	Non-Resident
R5018	488,540	3,627,537	1.30E-01	4.19E-04	Onsite	Non-Resident
R5019	488,565	3,627,537	1.35E-01	4.35E-04	Onsite	Non-Resident
R5020	488,590	3,627,537	1.40E-01	4.52E-04	Onsite	Non-Resident



Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5021	488,615	3,627,537	1.45E-01	4.70E-04	Onsite	Non-Resident
R5022	488,640	3,627,537	1.51E-01	4.89E-04	Onsite	Non-Resident
R5023	488,665	3,627,537	1.58E-01	5.10E-04	Onsite	Non-Resident
R5024	488,690	3,627,537	1.65E-01	5.33E-04	Onsite	Non-Resident
R5025	488,715	3,627,537	1.73E-01	5.58E-04	Onsite	Non-Resident
R5026	488,740	3,627,537	1.81E-01	5.85E-04	Onsite	Non-Resident
R5027	488,765	3,627,537	1.91E-01	6.16E-04	Onsite	Non-Resident
R5028	488,790	3,627,537	2.01E-01	6.48E-04	Onsite	Non-Resident
R5029	488,815	3,627,537	2.12E-01	6.84E-04	Onsite	Non-Resident
R5030	488,840	3,627,537	2.24E-01	7.24E-04	Onsite	Non-Resident
R5031	488,290	3,627,512	9.50E-02	3.07E-04	Onsite	Non-Resident
R5032	488,315	3,627,512	9.81E-02	3.17E-04	Onsite	Non-Resident
R5033	488,340	3,627,512	1.01E-01	3.27E-04	Onsite	Non-Resident
R5034	488,365	3,627,512	1.05E-01	3.41E-04	Onsite	Non-Resident
R5035	488,390	3,627,512	1.09E-01	3.52E-04	Onsite	Non-Resident
R5036	488,415	3,627,512	1.12E-01	3.63E-04	Onsite	Non-Resident
R5037	488,440	3,627,512	1.16E-01	3.75E-04	Onsite	Non-Resident
R5038	488,465	3,627,512	1.20E-01	3.88E-04	Onsite	Non-Resident
R5039	488,490	3,627,512	1.24E-01	4.01E-04	Onsite	Non-Resident
R5040	488,515	3,627,512	1.29E-01	4.15E-04	Onsite	Non-Resident
R5041	488,540	3,627,512	1.33E-01	4.31E-04	Onsite	Non-Resident
R5042	488,565	3,627,512	1.38E-01	4.47E-04	Onsite	Non-Resident
R5043	488,590	3,627,512	1.44E-01	4.64E-04	Onsite	Non-Resident
R5044	488,615	3,627,512	1.49E-01	4.83E-04	Onsite	Non-Resident
R5045	488,640	3,627,512	1.55E-01	5.02E-04	Onsite	Non-Resident
R5046	488,665	3,627,512	1.62E-01	5.24E-04	Onsite	Non-Resident
R5047	488,690	3,627,512	1.69E-01	5.47E-04	Onsite	Non-Resident
R5048	488,715	3,627,512	1.77E-01	5.73E-04	Onsite	Non-Resident
R5049	488,740	3,627,512	1.86E-01	6.02E-04	Onsite	Non-Resident
R5050	488,765	3,627,512	1.96E-01	6.33E-04	Onsite	Non-Resident
R5051	488,790	3,627,512	2.06E-01	6.66E-04	Onsite	Non-Resident
R5052	488,815	3,627,512	2.17E-01	7.03E-04	Onsite	Non-Resident
R5053	488,840	3,627,512	2.30E-01	7.43E-04	Onsite	Non-Resident
R5054	488,865	3,627,512	2.93E+00	7.89E-04	Onsite	Resident
R5055	488,290	3,627,487	9.80E-02	3.17E-04	Onsite	Non-Resident
R5056	488,315	3,627,487	1.02E-01	3.29E-04	Onsite	Non-Resident
R5057	488,340	3,627,487	1.05E-01	3.40E-04	Onsite	Non-Resident
R5058	488,365	3,627,487	1.09E-01	3.51E-04	Onsite	Non-Resident
R5059	488,390	3,627,487	1.12E-01	3.62E-04	Onsite	Non-Resident
R5060	488,415	3,627,487	1.16E-01	3.74E-04	Onsite	Non-Resident
R5061	488,440	3,627,487	1.19E-01	3.86E-04	Onsite	Non-Resident
R5062	488,465	3,627,487	1.23E-01	3.99E-04	Onsite	Non-Resident
R5063	488,490	3,627,487	1.28E-01	4.13E-04	Onsite	Non-Resident
R5064	488,515	3,627,487	1.32E-01	4.28E-04	Onsite	Non-Resident
R5065	488,540	3,627,487	1.37E-01	4.43E-04	Onsite	Non-Resident
R5066	488,565	3,627,487	1.42E-01	4.59E-04	Onsite	Non-Resident
R5067	488,590	3,627,487	1.48E-01	4.77E-04	Onsite	Non-Resident
R5068	488,615	3,627,487	1.53E-01	4.95E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5069	488,640	3,627,487	1.60E-01	5.16E-04	Onsite	Non-Resident
R5070	488,665	3,627,487	1.67E-01	5.38E-04	Onsite	Non-Resident
R5071	488,690	3,627,487	1.74E-01	5.63E-04	Onsite	Non-Resident
R5072	488,715	3,627,487	1.82E-01	5.89E-04	Onsite	Non-Resident
R5073	488,740	3,627,487	1.91E-01	6.18E-04	Onsite	Non-Resident
R5074	488,765	3,627,487	2.01E-01	6.49E-04	Onsite	Non-Resident
R5075	488,790	3,627,487	2.54E+00	6.83E-04	Onsite	Resident
R5076	488,815	3,627,487	2.68E+00	7.21E-04	Onsite	Resident
R5077	488,840	3,627,487	2.84E+00	7.62E-04	Onsite	Resident
R5078	488,865	3,627,487	3.01E+00	8.08E-04	Onsite	Resident
R5079	488,315	3,627,462	1.05E-01	3.40E-04	Onsite	Non-Resident
R5080	488,340	3,627,462	1.08E-01	3.50E-04	Onsite	Non-Resident
R5081	488,365	3,627,462	1.12E-01	3.61E-04	Onsite	Non-Resident
R5082	488,390	3,627,462	1.15E-01	3.72E-04	Onsite	Non-Resident
R5083	488,415	3,627,462	1.19E-01	3.84E-04	Onsite	Non-Resident
R5084	488,440	3,627,462	1.23E-01	3.96E-04	Onsite	Non-Resident
R5085	488,465	3,627,462	1.27E-01	4.10E-04	Onsite	Non-Resident
R5086	488,490	3,627,462	1.31E-01	4.24E-04	Onsite	Non-Resident
R5087	488,515	3,627,462	1.36E-01	4.39E-04	Onsite	Non-Resident
R5088	488,540	3,627,462	1.41E-01	4.55E-04	Onsite	Non-Resident
R5089	488,565	3,627,462	1.46E-01	4.71E-04	Onsite	Non-Resident
R5090	488,590	3,627,462	1.51E-01	4.89E-04	Onsite	Non-Resident
R5091	488,615	3,627,462	1.57E-01	5.08E-04	Onsite	Non-Resident
R5092	488,640	3,627,462	1.64E-01	5.29E-04	Onsite	Non-Resident
R5093	488,665	3,627,462	1.71E-01	5.53E-04	Onsite	Non-Resident
R5094	488,690	3,627,462	1.79E-01	5.77E-04	Onsite	Non-Resident
R5095	488,715	3,627,462	1.87E-01	6.04E-04	Onsite	Non-Resident
R5096	488,740	3,627,462	1.96E-01	6.33E-04	Onsite	Non-Resident
R5097	488,765	3,627,462	2.06E-01	6.65E-04	Onsite	Non-Resident
R5098	488,790	3,627,462	2.60E+00	7.00E-04	Onsite	Resident
R5099	488,815	3,627,462	2.75E+00	7.38E-04	Onsite	Resident
R5100	488,840	3,627,462	2.41E-01	7.79E-04	Onsite	Non-Resident
R5101	488,865	3,627,462	2.55E-01	8.26E-04	Onsite	Non-Resident
R5102	488,315	3,627,437	1.08E-01	3.49E-04	Onsite	Non-Resident
R5103	488,340	3,627,437	1.11E-01	3.60E-04	Onsite	Non-Resident
R5104	488,365	3,627,437	1.15E-01	3.70E-04	Onsite	Non-Resident
R5105	488,390	3,627,437	1.18E-01	3.82E-04	Onsite	Non-Resident
R5106	488,415	3,627,437	1.22E-01	3.95E-04	Onsite	Non-Resident
R5107	488,440	3,627,437	1.26E-01	4.08E-04	Onsite	Non-Resident
R5108	488,465	3,627,437	1.30E-01	4.21E-04	Onsite	Non-Resident
R5109	488,490	3,627,437	1.35E-01	4.35E-04	Onsite	Non-Resident
R5110	488,515	3,627,437	1.39E-01	4.50E-04	Onsite	Non-Resident
R5111	488,540	3,627,437	1.44E-01	4.66E-04	Onsite	Non-Resident
R5112	488,565	3,627,437	1.49E-01	4.83E-04	Onsite	Non-Resident
R5113	488,590	3,627,437	1.55E-01	5.01E-04	Onsite	Non-Resident
R5114	488,615	3,627,437	1.61E-01	5.21E-04	Onsite	Non-Resident
R5115	488,640	3,627,437	1.68E-01	5.43E-04	Onsite	Non-Resident
R5116	488,665	3,627,437	1.75E-01	5.67E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5117	488,690	3,627,437	1.83E-01	5.92E-04	Onsite	Non-Resident
R5118	488,715	3,627,437	1.92E-01	6.19E-04	Onsite	Non-Resident
R5119	488,740	3,627,437	2.00E-01	6.47E-04	Onsite	Non-Resident
R5120	488,765	3,627,437	2.10E-01	6.79E-04	Onsite	Non-Resident
R5121	488,790	3,627,437	2.66E+00	7.14E-04	Onsite	Resident
R5122	488,815	3,627,437	2.80E+00	7.52E-04	Onsite	Resident
R5123	488,840	3,627,437	2.46E-01	7.95E-04	Onsite	Non-Resident
R5124	488,865	3,627,437	2.61E-01	8.42E-04	Onsite	Non-Resident
R5125	488,315	3,627,412	1.11E-01	3.58E-04	Onsite	Non-Resident
R5126	488,340	3,627,412	1.14E-01	3.69E-04	Onsite	Non-Resident
R5127	488,365	3,627,412	1.18E-01	3.80E-04	Onsite	Non-Resident
R5128	488,390	3,627,412	1.22E-01	3.93E-04	Onsite	Non-Resident
R5129	488,415	3,627,412	1.25E-01	4.05E-04	Onsite	Non-Resident
R5130	488,440	3,627,412	1.29E-01	4.18E-04	Onsite	Non-Resident
R5131	488,465	3,627,412	1.34E-01	4.32E-04	Onsite	Non-Resident
R5132	488,490	3,627,412	1.38E-01	4.46E-04	Onsite	Non-Resident
R5133	488,515	3,627,412	1.43E-01	4.61E-04	Onsite	Non-Resident
R5134	488,540	3,627,412	1.48E-01	4.77E-04	Onsite	Non-Resident
R5135	488,565	3,627,412	1.53E-01	4.94E-04	Onsite	Non-Resident
R5136	488,590	3,627,412	1.59E-01	5.14E-04	Onsite	Non-Resident
R5137	488,615	3,627,412	1.65E-01	5.34E-04	Onsite	Non-Resident
R5138	488,640	3,627,412	1.72E-01	5.57E-04	Onsite	Non-Resident
R5139	488,665	3,627,412	1.80E-01	5.80E-04	Onsite	Non-Resident
R5140	488,690	3,627,412	1.87E-01	6.05E-04	Onsite	Non-Resident
R5141	488,715	3,627,412	1.96E-01	6.32E-04	Onsite	Non-Resident
R5142	488,740	3,627,412	2.05E-01	6.61E-04	Onsite	Non-Resident
R5143	488,765	3,627,412	2.15E-01	6.93E-04	Onsite	Non-Resident
R5144	488,790	3,627,412	2.71E+00	7.28E-04	Onsite	Resident
R5145	488,815	3,627,412	2.85E+00	7.67E-04	Onsite	Resident
R5146	488,840	3,627,412	2.50E-01	8.09E-04	Onsite	Non-Resident
R5147	488,865	3,627,412	2.65E-01	8.56E-04	Onsite	Non-Resident
R5148	488,315	3,627,387	1.14E-01	3.68E-04	Onsite	Non-Resident
R5149	488,340	3,627,387	1.17E-01	3.80E-04	Onsite	Non-Resident
R5150	488,365	3,627,387	1.21E-01	3.91E-04	Onsite	Non-Resident
R5151	488,390	3,627,387	1.25E-01	4.03E-04	Onsite	Non-Resident
R5152	488,415	3,627,387	1.28E-01	4.15E-04	Onsite	Non-Resident
R5153	488,440	3,627,387	1.33E-01	4.28E-04	Onsite	Non-Resident
R5154	488,465	3,627,387	1.37E-01	4.42E-04	Onsite	Non-Resident
R5155	488,490	3,627,387	1.41E-01	4.57E-04	Onsite	Non-Resident
R5156	488,515	3,627,387	1.46E-01	4.72E-04	Onsite	Non-Resident
R5157	488,540	3,627,387	1.51E-01	4.88E-04	Onsite	Non-Resident
R5158	488,565	3,627,387	1.57E-01	5.07E-04	Onsite	Non-Resident
R5159	488,590	3,627,387	1.63E-01	5.26E-04	Onsite	Non-Resident
R5160	488,615	3,627,387	1.69E-01	5.47E-04	Onsite	Non-Resident
R5161	488,640	3,627,387	1.76E-01	5.70E-04	Onsite	Non-Resident
R5162	488,665	3,627,387	1.84E-01	5.94E-04	Onsite	Non-Resident
R5163	488,690	3,627,387	1.91E-01	6.18E-04	Onsite	Non-Resident
R5164	488,715	3,627,387	2.00E-01	6.45E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5165	488,740	3,627,387	2.09E-01	6.75E-04	Onsite	Non-Resident
R5166	488,765	3,627,387	2.63E+00	7.07E-04	Onsite	Resident
R5167	488,790	3,627,387	2.76E+00	7.42E-04	Onsite	Resident
R5168	488,815	3,627,387	2.90E+00	7.80E-04	Onsite	Resident
R5169	488,840	3,627,387	2.54E-01	8.22E-04	Onsite	Non-Resident
R5170	488,865	3,627,387	3.23E+00	8.69E-04	Onsite	Resident
R5171	488,315	3,627,362	1.17E-01	3.78E-04	Onsite	Non-Resident
R5172	488,340	3,627,362	1.20E-01	3.89E-04	Onsite	Non-Resident
R5173	488,365	3,627,362	1.24E-01	4.00E-04	Onsite	Non-Resident
R5174	488,390	3,627,362	1.28E-01	4.13E-04	Onsite	Non-Resident
R5175	488,415	3,627,362	1.32E-01	4.25E-04	Onsite	Non-Resident
R5176	488,440	3,627,362	1.36E-01	4.39E-04	Onsite	Non-Resident
R5177	488,465	3,627,362	1.40E-01	4.53E-04	Onsite	Non-Resident
R5178	488,490	3,627,362	1.45E-01	4.67E-04	Onsite	Non-Resident
R5179	488,515	3,627,362	1.49E-01	4.83E-04	Onsite	Non-Resident
R5180	488,540	3,627,362	1.55E-01	5.00E-04	Onsite	Non-Resident
R5181	488,565	3,627,362	1.61E-01	5.19E-04	Onsite	Non-Resident
R5182	488,590	3,627,362	1.67E-01	5.39E-04	Onsite	Non-Resident
R5183	488,615	3,627,362	1.73E-01	5.60E-04	Onsite	Non-Resident
R5184	488,640	3,627,362	1.80E-01	5.83E-04	Onsite	Non-Resident
R5185	488,665	3,627,362	1.87E-01	6.05E-04	Onsite	Non-Resident
R5186	488,690	3,627,362	1.95E-01	6.31E-04	Onsite	Non-Resident
R5187	488,715	3,627,362	2.04E-01	6.58E-04	Onsite	Non-Resident
R5188	488,740	3,627,362	2.13E-01	6.88E-04	Onsite	Non-Resident
R5189	488,765	3,627,362	2.23E-01	7.20E-04	Onsite	Non-Resident
R5190	488,790	3,627,362	2.34E-01	7.55E-04	Onsite	Non-Resident
R5191	488,815	3,627,362	2.45E-01	7.93E-04	Onsite	Non-Resident
R5192	488,840	3,627,362	2.58E-01	8.35E-04	Onsite	Non-Resident
R5193	488,865	3,627,362	2.73E-01	8.81E-04	Onsite	Non-Resident
R5194	488,315	3,627,337	1.20E-01	3.87E-04	Onsite	Non-Resident
R5195	488,340	3,627,337	1.23E-01	3.98E-04	Onsite	Non-Resident
R5196	488,365	3,627,337	1.27E-01	4.10E-04	Onsite	Non-Resident
R5197	488,390	3,627,337	1.31E-01	4.22E-04	Onsite	Non-Resident
R5198	488,415	3,627,337	1.35E-01	4.35E-04	Onsite	Non-Resident
R5199	488,440	3,627,337	1.39E-01	4.49E-04	Onsite	Non-Resident
R5200	488,465	3,627,337	1.43E-01	4.63E-04	Onsite	Non-Resident
R5201	488,490	3,627,337	1.48E-01	4.78E-04	Onsite	Non-Resident
R5202	488,515	3,627,337	1.53E-01	4.95E-04	Onsite	Non-Resident
R5203	488,540	3,627,337	1.59E-01	5.12E-04	Onsite	Non-Resident
R5204	488,565	3,627,337	1.64E-01	5.31E-04	Onsite	Non-Resident
R5205	488,590	3,627,337	1.71E-01	5.52E-04	Onsite	Non-Resident
R5206	488,615	3,627,337	1.77E-01	5.72E-04	Onsite	Non-Resident
R5207	488,640	3,627,337	1.84E-01	5.95E-04	Onsite	Non-Resident
R5208	488,665	3,627,337	1.91E-01	6.18E-04	Onsite	Non-Resident
R5209	488,690	3,627,337	1.99E-01	6.43E-04	Onsite	Non-Resident
R5210	488,715	3,627,337	2.08E-01	6.71E-04	Onsite	Non-Resident
R5211	488,740	3,627,337	2.17E-01	7.01E-04	Onsite	Non-Resident
R5212	488,765	3,627,337	2.73E+00	7.33E-04	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5213	488,790	3,627,337	2.86E+00	7.68E-04	Onsite	Resident
R5214	488,815	3,627,337	3.00E+00	8.06E-04	Onsite	Resident
R5215	488,840	3,627,337	3.15E+00	8.47E-04	Onsite	Resident
R5216	488,865	3,627,337	3.32E+00	8.92E-04	Onsite	Resident
R5217	488,315	3,627,312	1.23E-01	3.96E-04	Onsite	Non-Resident
R5218	488,340	3,627,312	1.26E-01	4.08E-04	Onsite	Non-Resident
R5219	488,365	3,627,312	1.30E-01	4.20E-04	Onsite	Non-Resident
R5220	488,390	3,627,312	1.34E-01	4.32E-04	Onsite	Non-Resident
R5221	488,415	3,627,312	1.38E-01	4.45E-04	Onsite	Non-Resident
R5222	488,440	3,627,312	1.42E-01	4.59E-04	Onsite	Non-Resident
R5223	488,465	3,627,312	1.47E-01	4.74E-04	Onsite	Non-Resident
R5224	488,490	3,627,312	1.51E-01	4.89E-04	Onsite	Non-Resident
R5225	488,515	3,627,312	1.57E-01	5.06E-04	Onsite	Non-Resident
R5226	488,540	3,627,312	1.62E-01	5.24E-04	Onsite	Non-Resident
R5227	488,565	3,627,312	1.68E-01	5.44E-04	Onsite	Non-Resident
R5228	488,590	3,627,312	1.74E-01	5.64E-04	Onsite	Non-Resident
R5229	488,615	3,627,312	1.81E-01	5.84E-04	Onsite	Non-Resident
R5230	488,640	3,627,312	1.88E-01	6.06E-04	Onsite	Non-Resident
R5231	488,665	3,627,312	1.95E-01	6.30E-04	Onsite	Non-Resident
R5232	488,690	3,627,312	2.03E-01	6.56E-04	Onsite	Non-Resident
R5233	488,715	3,627,312	2.11E-01	6.83E-04	Onsite	Non-Resident
R5234	488,740	3,627,312	2.21E-01	7.13E-04	Onsite	Non-Resident
R5235	488,765	3,627,312	2.77E+00	7.44E-04	Onsite	Resident
R5236	488,790	3,627,312	2.89E+00	7.76E-04	Onsite	Resident
R5237	488,815	3,627,312	3.03E+00	8.15E-04	Onsite	Resident
R5238	488,840	3,627,312	3.20E+00	8.59E-04	Onsite	Resident
R5239	488,865	3,627,312	3.36E+00	9.04E-04	Onsite	Resident
R5240	488,315	3,627,287	1.26E-01	4.06E-04	Onsite	Non-Resident
R5241	488,340	3,627,287	1.29E-01	4.17E-04	Onsite	Non-Resident
R5242	488,365	3,627,287	1.33E-01	4.30E-04	Onsite	Non-Resident
R5243	488,390	3,627,287	1.37E-01	4.42E-04	Onsite	Non-Resident
R5244	488,415	3,627,287	1.41E-01	4.56E-04	Onsite	Non-Resident
R5245	488,440	3,627,287	1.45E-01	4.70E-04	Onsite	Non-Resident
R5246	488,465	3,627,287	1.50E-01	4.85E-04	Onsite	Non-Resident
R5247	488,490	3,627,287	1.55E-01	5.01E-04	Onsite	Non-Resident
R5248	488,515	3,627,287	1.60E-01	5.18E-04	Onsite	Non-Resident
R5249	488,540	3,627,287	1.66E-01	5.36E-04	Onsite	Non-Resident
R5250	488,565	3,627,287	1.72E-01	5.56E-04	Onsite	Non-Resident
R5251	488,590	3,627,287	1.78E-01	5.76E-04	Onsite	Non-Resident
R5252	488,615	3,627,287	1.85E-01	5.98E-04	Onsite	Non-Resident
R5253	488,640	3,627,287	1.92E-01	6.19E-04	Onsite	Non-Resident
R5254	488,665	3,627,287	1.99E-01	6.43E-04	Onsite	Non-Resident
R5255	488,690	3,627,287	2.07E-01	6.68E-04	Onsite	Non-Resident
R5256	488,715	3,627,287	2.15E-01	6.96E-04	Onsite	Non-Resident
R5257	488,740	3,627,287	2.25E-01	7.26E-04	Onsite	Non-Resident
R5258	488,765	3,627,287	2.80E+00	7.52E-04	Onsite	Resident
R5259	488,790	3,627,287	2.92E+00	7.85E-04	Onsite	Resident
R5260	488,815	3,627,287	3.06E+00	8.22E-04	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5261	488,840	3,627,287	3.21E+00	8.63E-04	Onsite	Resident
R5262	488,865	3,627,287	3.39E+00	9.12E-04	Onsite	Resident
R5263	488,315	3,627,262	1.29E-01	4.16E-04	Onsite	Non-Resident
R5264	488,340	3,627,262	1.32E-01	4.27E-04	Onsite	Non-Resident
R5265	488,365	3,627,262	1.36E-01	4.40E-04	Onsite	Non-Resident
R5266	488,390	3,627,262	1.40E-01	4.53E-04	Onsite	Non-Resident
R5267	488,415	3,627,262	1.44E-01	4.67E-04	Onsite	Non-Resident
R5268	488,440	3,627,262	1.49E-01	4.81E-04	Onsite	Non-Resident
R5269	488,465	3,627,262	1.53E-01	4.96E-04	Onsite	Non-Resident
R5270	488,490	3,627,262	1.59E-01	5.13E-04	Onsite	Non-Resident
R5271	488,515	3,627,262	1.64E-01	5.30E-04	Onsite	Non-Resident
R5272	488,540	3,627,262	1.70E-01	5.48E-04	Onsite	Non-Resident
R5273	488,565	3,627,262	1.76E-01	5.68E-04	Onsite	Non-Resident
R5274	488,590	3,627,262	1.82E-01	5.89E-04	Onsite	Non-Resident
R5275	488,615	3,627,262	1.89E-01	6.10E-04	Onsite	Non-Resident
R5276	488,640	3,627,262	1.95E-01	6.31E-04	Onsite	Non-Resident
R5277	488,665	3,627,262	2.03E-01	6.55E-04	Onsite	Non-Resident
R5278	488,690	3,627,262	2.11E-01	6.81E-04	Onsite	Non-Resident
R5279	488,715	3,627,262	2.19E-01	7.09E-04	Onsite	Non-Resident
R5280	488,740	3,627,262	2.74E+00	7.36E-04	Onsite	Resident
R5281	488,765	3,627,262	2.84E+00	7.64E-04	Onsite	Resident
R5282	488,790	3,627,262	2.97E+00	7.98E-04	Onsite	Resident
R5283	488,815	3,627,262	3.10E+00	8.34E-04	Onsite	Resident
R5284	488,840	3,627,262	3.25E+00	8.73E-04	Onsite	Resident
R5285	488,865	3,627,262	3.40E+00	9.15E-04	Onsite	Resident
R5286	488,315	3,627,237	1.32E-01	4.26E-04	Onsite	Non-Resident
R5287	488,340	3,627,237	1.35E-01	4.38E-04	Onsite	Non-Resident
R5288	488,365	3,627,237	1.39E-01	4.50E-04	Onsite	Non-Resident
R5289	488,390	3,627,237	1.43E-01	4.64E-04	Onsite	Non-Resident
R5290	488,415	3,627,237	1.48E-01	4.78E-04	Onsite	Non-Resident
R5291	488,440	3,627,237	1.52E-01	4.92E-04	Onsite	Non-Resident
R5292	488,465	3,627,237	1.57E-01	5.07E-04	Onsite	Non-Resident
R5293	488,490	3,627,237	1.62E-01	5.24E-04	Onsite	Non-Resident
R5294	488,515	3,627,237	1.68E-01	5.42E-04	Onsite	Non-Resident
R5295	488,540	3,627,237	1.74E-01	5.61E-04	Onsite	Non-Resident
R5296	488,565	3,627,237	1.80E-01	5.81E-04	Onsite	Non-Resident
R5297	488,590	3,627,237	1.86E-01	6.01E-04	Onsite	Non-Resident
R5298	488,615	3,627,237	1.92E-01	6.22E-04	Onsite	Non-Resident
R5299	488,640	3,627,237	1.99E-01	6.44E-04	Onsite	Non-Resident
R5300	488,665	3,627,237	2.07E-01	6.68E-04	Onsite	Non-Resident
R5301	488,690	3,627,237	2.15E-01	6.93E-04	Onsite	Non-Resident
R5302	488,715	3,627,237	2.23E-01	7.22E-04	Onsite	Non-Resident
R5303	488,740	3,627,237	2.31E-01	7.45E-04	Onsite	Non-Resident
R5304	488,765	3,627,237	2.89E+00	7.77E-04	Onsite	Resident
R5305	488,790	3,627,237	3.01E+00	8.10E-04	Onsite	Resident
R5306	488,815	3,627,237	3.15E+00	8.46E-04	Onsite	Resident
R5307	488,840	3,627,237	3.29E+00	8.84E-04	Onsite	Resident
R5308	488,865	3,627,237	3.46E+00	9.30E-04	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
 San Diego, California

Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5309	488,890	3,627,237	3.66E+00	9.83E-04	Onsite	Resident
R5310	488,315	3,627,212	1.35E-01	4.36E-04	Onsite	Non-Resident
R5311	488,340	3,627,212	1.39E-01	4.48E-04	Onsite	Non-Resident
R5312	488,365	3,627,212	1.43E-01	4.61E-04	Onsite	Non-Resident
R5313	488,390	3,627,212	1.47E-01	4.75E-04	Onsite	Non-Resident
R5314	488,415	3,627,212	1.51E-01	4.89E-04	Onsite	Non-Resident
R5315	488,440	3,627,212	1.56E-01	5.04E-04	Onsite	Non-Resident
R5316	488,465	3,627,212	1.61E-01	5.19E-04	Onsite	Non-Resident
R5317	488,490	3,627,212	1.66E-01	5.36E-04	Onsite	Non-Resident
R5318	488,515	3,627,212	1.72E-01	5.54E-04	Onsite	Non-Resident
R5319	488,540	3,627,212	1.77E-01	5.73E-04	Onsite	Non-Resident
R5320	488,565	3,627,212	1.84E-01	5.93E-04	Onsite	Non-Resident
R5321	488,590	3,627,212	1.90E-01	6.14E-04	Onsite	Non-Resident
R5322	488,615	3,627,212	1.96E-01	6.34E-04	Onsite	Non-Resident
R5323	488,640	3,627,212	2.03E-01	6.57E-04	Onsite	Non-Resident
R5324	488,665	3,627,212	2.11E-01	6.81E-04	Onsite	Non-Resident
R5325	488,690	3,627,212	2.19E-01	7.06E-04	Onsite	Non-Resident
R5326	488,715	3,627,212	2.27E-01	7.34E-04	Onsite	Non-Resident
R5327	488,740	3,627,212	2.36E-01	7.63E-04	Onsite	Non-Resident
R5328	488,765	3,627,212	2.94E+00	7.90E-04	Onsite	Resident
R5329	488,790	3,627,212	2.54E-01	8.22E-04	Onsite	Non-Resident
R5330	488,815	3,627,212	2.65E-01	8.57E-04	Onsite	Non-Resident
R5331	488,840	3,627,212	2.77E-01	8.95E-04	Onsite	Non-Resident
R5332	488,865	3,627,212	3.52E+00	9.47E-04	Onsite	Resident
R5333	488,890	3,627,212	3.69E+00	9.93E-04	Onsite	Resident
R5334	488,315	3,627,187	1.38E-01	4.47E-04	Onsite	Non-Resident
R5335	488,340	3,627,187	1.42E-01	4.59E-04	Onsite	Non-Resident
R5336	488,365	3,627,187	1.46E-01	4.72E-04	Onsite	Non-Resident
R5337	488,390	3,627,187	1.50E-01	4.86E-04	Onsite	Non-Resident
R5338	488,415	3,627,187	1.55E-01	5.01E-04	Onsite	Non-Resident
R5339	488,440	3,627,187	1.60E-01	5.16E-04	Onsite	Non-Resident
R5340	488,465	3,627,187	1.64E-01	5.31E-04	Onsite	Non-Resident
R5341	488,490	3,627,187	1.70E-01	5.49E-04	Onsite	Non-Resident
R5342	488,515	3,627,187	1.75E-01	5.67E-04	Onsite	Non-Resident
R5343	488,540	3,627,187	1.81E-01	5.86E-04	Onsite	Non-Resident
R5344	488,565	3,627,187	1.88E-01	6.06E-04	Onsite	Non-Resident
R5345	488,590	3,627,187	1.94E-01	6.28E-04	Onsite	Non-Resident
R5346	488,615	3,627,187	2.00E-01	6.48E-04	Onsite	Non-Resident
R5347	488,640	3,627,187	2.08E-01	6.71E-04	Onsite	Non-Resident
R5348	488,665	3,627,187	2.15E-01	6.95E-04	Onsite	Non-Resident
R5349	488,690	3,627,187	2.23E-01	7.20E-04	Onsite	Non-Resident
R5350	488,715	3,627,187	2.31E-01	7.48E-04	Onsite	Non-Resident
R5351	488,740	3,627,187	2.89E+00	7.77E-04	Onsite	Resident
R5352	488,765	3,627,187	3.01E+00	8.10E-04	Onsite	Resident
R5353	488,790	3,627,187	3.13E+00	8.40E-04	Onsite	Resident
R5354	488,815	3,627,187	2.70E-01	8.74E-04	Onsite	Non-Resident
R5355	488,840	3,627,187	3.39E+00	9.12E-04	Onsite	Resident
R5356	488,865	3,627,187	3.57E+00	9.59E-04	Onsite	Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
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Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5357	488,890	3,627,187	3.74E+00	1.00E-03	Onsite	Resident
R5358	488,340	3,627,162	1.46E-01	4.70E-04	Onsite	Non-Resident
R5359	488,365	3,627,162	1.50E-01	4.84E-04	Onsite	Non-Resident
R5360	488,390	3,627,162	1.54E-01	4.98E-04	Onsite	Non-Resident
R5361	488,415	3,627,162	1.59E-01	5.13E-04	Onsite	Non-Resident
R5362	488,440	3,627,162	1.63E-01	5.28E-04	Onsite	Non-Resident
R5363	488,465	3,627,162	1.68E-01	5.44E-04	Onsite	Non-Resident
R5364	488,490	3,627,162	1.74E-01	5.62E-04	Onsite	Non-Resident
R5365	488,515	3,627,162	1.79E-01	5.80E-04	Onsite	Non-Resident
R5366	488,540	3,627,162	1.86E-01	6.00E-04	Onsite	Non-Resident
R5367	488,565	3,627,162	1.92E-01	6.20E-04	Onsite	Non-Resident
R5368	488,590	3,627,162	1.98E-01	6.41E-04	Onsite	Non-Resident
R5369	488,615	3,627,162	2.05E-01	6.64E-04	Onsite	Non-Resident
R5370	488,640	3,627,162	2.12E-01	6.85E-04	Onsite	Non-Resident
R5371	488,665	3,627,162	2.19E-01	7.09E-04	Onsite	Non-Resident
R5372	488,690	3,627,162	2.27E-01	7.35E-04	Onsite	Non-Resident
R5373	488,715	3,627,162	2.36E-01	7.62E-04	Onsite	Non-Resident
R5374	488,740	3,627,162	2.94E+00	7.91E-04	Onsite	Resident
R5375	488,765	3,627,162	3.06E+00	8.22E-04	Onsite	Resident
R5376	488,790	3,627,162	3.19E+00	8.56E-04	Onsite	Resident
R5377	488,815	3,627,162	2.76E-01	8.92E-04	Onsite	Non-Resident
R5378	488,840	3,627,162	3.46E+00	9.30E-04	Onsite	Resident
R5379	488,865	3,627,162	3.61E+00	9.71E-04	Onsite	Resident
R5380	488,890	3,627,162	3.14E-01	1.02E-03	Onsite	Non-Resident
R5381	488,915	3,627,162	3.96E+00	1.07E-03	Onsite	Resident
R5382	488,340	3,627,137	1.49E-01	4.82E-04	Onsite	Non-Resident
R5383	488,365	3,627,137	1.53E-01	4.96E-04	Onsite	Non-Resident
R5384	488,390	3,627,137	1.58E-01	5.10E-04	Onsite	Non-Resident
R5385	488,415	3,627,137	1.63E-01	5.25E-04	Onsite	Non-Resident
R5386	488,440	3,627,137	1.67E-01	5.41E-04	Onsite	Non-Resident
R5387	488,465	3,627,137	1.72E-01	5.57E-04	Onsite	Non-Resident
R5388	488,490	3,627,137	1.78E-01	5.75E-04	Onsite	Non-Resident
R5389	488,515	3,627,137	1.84E-01	5.94E-04	Onsite	Non-Resident
R5390	488,540	3,627,137	1.90E-01	6.13E-04	Onsite	Non-Resident
R5391	488,565	3,627,137	1.96E-01	6.34E-04	Onsite	Non-Resident
R5392	488,590	3,627,137	2.03E-01	6.56E-04	Onsite	Non-Resident
R5393	488,615	3,627,137	2.10E-01	6.78E-04	Onsite	Non-Resident
R5394	488,640	3,627,137	2.17E-01	7.02E-04	Onsite	Non-Resident
R5395	488,665	3,627,137	2.24E-01	7.24E-04	Onsite	Non-Resident
R5396	488,690	3,627,137	2.32E-01	7.50E-04	Onsite	Non-Resident
R5397	488,715	3,627,137	2.41E-01	7.78E-04	Onsite	Non-Resident
R5398	488,740	3,627,137	3.00E+00	8.07E-04	Onsite	Resident
R5399	488,765	3,627,137	3.12E+00	8.37E-04	Onsite	Resident
R5400	488,790	3,627,137	3.24E+00	8.71E-04	Onsite	Resident
R5401	488,815	3,627,137	2.80E-01	9.06E-04	Onsite	Non-Resident
R5402	488,840	3,627,137	3.51E+00	9.44E-04	Onsite	Resident
R5403	488,865	3,627,137	3.67E+00	9.85E-04	Onsite	Resident
R5404	488,890	3,627,137	3.19E-01	1.03E-03	Onsite	Non-Resident



Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
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Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5405	488,340	3,627,112	1.53E-01	4.94E-04	Onsite	Non-Resident
R5406	488,365	3,627,112	1.57E-01	5.08E-04	Onsite	Non-Resident
R5407	488,390	3,627,112	1.62E-01	5.23E-04	Onsite	Non-Resident
R5408	488,415	3,627,112	1.67E-01	5.38E-04	Onsite	Non-Resident
R5409	488,440	3,627,112	1.71E-01	5.54E-04	Onsite	Non-Resident
R5410	488,465	3,627,112	1.77E-01	5.71E-04	Onsite	Non-Resident
R5411	488,490	3,627,112	1.82E-01	5.89E-04	Onsite	Non-Resident
R5412	488,515	3,627,112	1.88E-01	6.08E-04	Onsite	Non-Resident
R5413	488,540	3,627,112	1.94E-01	6.28E-04	Onsite	Non-Resident
R5414	488,565	3,627,112	2.01E-01	6.49E-04	Onsite	Non-Resident
R5415	488,590	3,627,112	2.08E-01	6.71E-04	Onsite	Non-Resident
R5416	488,615	3,627,112	2.15E-01	6.94E-04	Onsite	Non-Resident
R5417	488,640	3,627,112	2.22E-01	7.18E-04	Onsite	Non-Resident
R5418	488,665	3,627,112	2.30E-01	7.43E-04	Onsite	Non-Resident
R5419	488,690	3,627,112	2.37E-01	7.67E-04	Onsite	Non-Resident
R5420	488,715	3,627,112	2.46E-01	7.94E-04	Onsite	Non-Resident
R5421	488,740	3,627,112	2.55E-01	8.24E-04	Onsite	Non-Resident
R5422	488,765	3,627,112	3.18E+00	8.55E-04	Onsite	Resident
R5423	488,790	3,627,112	3.30E+00	8.88E-04	Onsite	Resident
R5424	488,340	3,627,087	1.57E-01	5.07E-04	Onsite	Non-Resident
R5425	488,365	3,627,087	1.61E-01	5.22E-04	Onsite	Non-Resident
R5426	488,390	3,627,087	1.66E-01	5.37E-04	Onsite	Non-Resident
R5427	488,415	3,627,087	1.71E-01	5.52E-04	Onsite	Non-Resident
R5428	488,440	3,627,087	1.76E-01	5.68E-04	Onsite	Non-Resident
R5429	488,465	3,627,087	1.81E-01	5.85E-04	Onsite	Non-Resident
R5430	488,490	3,627,087	1.87E-01	6.04E-04	Onsite	Non-Resident
R5431	488,515	3,627,087	1.93E-01	6.23E-04	Onsite	Non-Resident
R5432	488,540	3,627,087	1.99E-01	6.44E-04	Onsite	Non-Resident
R5433	488,565	3,627,087	2.06E-01	6.65E-04	Onsite	Non-Resident
R5434	488,590	3,627,087	2.13E-01	6.87E-04	Onsite	Non-Resident
R5435	488,615	3,627,087	2.20E-01	7.10E-04	Onsite	Non-Resident
R5436	488,640	3,627,087	2.27E-01	7.35E-04	Onsite	Non-Resident
R5437	488,665	3,627,087	2.35E-01	7.60E-04	Onsite	Non-Resident
R5438	488,690	3,627,087	2.44E-01	7.87E-04	Onsite	Non-Resident
R5439	488,715	3,627,087	2.51E-01	8.13E-04	Onsite	Non-Resident
R5440	488,340	3,627,062	1.61E-01	5.20E-04	Onsite	Non-Resident
R5441	488,365	3,627,062	1.66E-01	5.35E-04	Onsite	Non-Resident
R5442	488,390	3,627,062	1.70E-01	5.51E-04	Onsite	Non-Resident
R5443	488,415	3,627,062	1.75E-01	5.67E-04	Onsite	Non-Resident
R5444	488,440	3,627,062	1.81E-01	5.83E-04	Onsite	Non-Resident
R5445	488,465	3,627,062	1.86E-01	6.01E-04	Onsite	Non-Resident
R5446	488,490	3,627,062	1.92E-01	6.20E-04	Onsite	Non-Resident
R5447	488,515	3,627,062	1.98E-01	6.40E-04	Onsite	Non-Resident
R5448	488,540	3,627,062	2.04E-01	6.60E-04	Onsite	Non-Resident
R5449	488,565	3,627,062	2.11E-01	6.82E-04	Onsite	Non-Resident
R5450	488,590	3,627,062	2.18E-01	7.05E-04	Onsite	Non-Resident
R5451	488,615	3,627,062	2.25E-01	7.28E-04	Onsite	Non-Resident
R5452	488,640	3,627,062	2.33E-01	7.53E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
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Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5453	488,340	3,627,037	1.65E-01	5.35E-04	Onsite	Non-Resident
R5454	488,365	3,627,037	1.70E-01	5.50E-04	Onsite	Non-Resident
R5455	488,390	3,627,037	1.75E-01	5.66E-04	Onsite	Non-Resident
R5456	488,415	3,627,037	1.80E-01	5.82E-04	Onsite	Non-Resident
R5457	488,440	3,627,037	1.86E-01	6.00E-04	Onsite	Non-Resident
R5458	488,465	3,627,037	1.91E-01	6.17E-04	Onsite	Non-Resident
R5459	488,490	3,627,037	1.97E-01	6.37E-04	Onsite	Non-Resident
R5460	488,515	3,627,037	2.03E-01	6.57E-04	Onsite	Non-Resident
R5461	488,540	3,627,037	2.10E-01	6.79E-04	Onsite	Non-Resident
R5462	488,565	3,627,037	2.17E-01	7.01E-04	Onsite	Non-Resident
R5463	488,590	3,627,037	2.24E-01	7.24E-04	Onsite	Non-Resident
R5464	488,340	3,627,012	1.70E-01	5.50E-04	Onsite	Non-Resident
R5465	488,365	3,627,012	1.75E-01	5.66E-04	Onsite	Non-Resident
R5466	488,390	3,627,012	1.80E-01	5.82E-04	Onsite	Non-Resident
R5467	488,415	3,627,012	1.85E-01	5.99E-04	Onsite	Non-Resident
R5468	488,440	3,627,012	1.91E-01	6.17E-04	Onsite	Non-Resident
R5469	488,465	3,627,012	1.97E-01	6.36E-04	Onsite	Non-Resident
R5470	488,490	3,627,012	2.03E-01	6.56E-04	Onsite	Non-Resident
R5471	488,515	3,627,012	2.09E-01	6.77E-04	Onsite	Non-Resident
R5472	488,540	3,627,012	2.16E-01	6.99E-04	Onsite	Non-Resident
R5473	488,315	3,626,987	1.70E-01	5.51E-04	Onsite	Non-Resident
R5474	488,340	3,626,987	1.75E-01	5.66E-04	Onsite	Non-Resident
R5475	488,365	3,626,987	1.80E-01	5.83E-04	Onsite	Non-Resident
R5476	488,390	3,626,987	1.86E-01	6.00E-04	Onsite	Non-Resident
R5477	488,415	3,626,987	1.91E-01	6.17E-04	Onsite	Non-Resident
R5478	488,440	3,626,987	1.97E-01	6.36E-04	Onsite	Non-Resident
R5479	488,465	3,626,987	2.03E-01	6.55E-04	Onsite	Non-Resident
R5480	488,490	3,626,987	2.09E-01	6.76E-04	Onsite	Non-Resident
R5481	488,290	3,626,962	1.71E-01	5.52E-04	Onsite	Non-Resident
R5482	488,315	3,626,962	1.76E-01	5.67E-04	Onsite	Non-Resident
R5483	488,340	3,626,962	1.81E-01	5.84E-04	Onsite	Non-Resident
R5484	488,365	3,626,962	1.86E-01	6.01E-04	Onsite	Non-Resident
R5485	488,390	3,626,962	1.91E-01	6.19E-04	Onsite	Non-Resident
R5486	488,415	3,626,962	1.97E-01	6.37E-04	Onsite	Non-Resident
R5487	488,440	3,626,962	2.03E-01	6.57E-04	Onsite	Non-Resident
R5488	488,465	3,626,962	2.09E-01	6.77E-04	Onsite	Non-Resident
R5489	488,265	3,626,937	1.71E-01	5.54E-04	Onsite	Non-Resident
R5490	488,290	3,626,937	1.76E-01	5.69E-04	Onsite	Non-Resident
R5491	488,315	3,626,937	1.81E-01	5.85E-04	Onsite	Non-Resident
R5492	488,340	3,626,937	1.86E-01	6.03E-04	Onsite	Non-Resident
R5493	488,365	3,626,937	1.92E-01	6.21E-04	Onsite	Non-Resident
R5494	488,390	3,626,937	1.98E-01	6.39E-04	Onsite	Non-Resident
R5495	488,415	3,626,937	2.04E-01	6.59E-04	Onsite	Non-Resident
R5496	488,240	3,626,912	1.72E-01	5.55E-04	Onsite	Non-Resident
R5497	488,265	3,626,912	1.77E-01	5.71E-04	Onsite	Non-Resident
R5498	488,290	3,626,912	1.82E-01	5.88E-04	Onsite	Non-Resident
R5499	488,340	3,626,912	1.93E-01	6.23E-04	Onsite	Non-Resident
R5500	488,365	3,626,912	1.99E-01	6.42E-04	Onsite	Non-Resident

Table C-3. Cancer Risk and Chronic Hazard Index at Modeled Receptors for Horizon Plus Project Scenario  
 SDSU Mission Valley Campus Master Plan Project  
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Receptor ID	UTM Coordinates <sup>1</sup> (m)		Cancer Risk (in a million)	Chronic Hazard Index	Receptor Location	Receptor Type <sup>2</sup>
R5501	488,390	3,626,912	2.05E-01	6.62E-04	Onsite	Non-Resident
R5502	488,215	3,626,887	1.72E-01	5.57E-04	Onsite	Non-Resident
R5503	488,290	3,626,887	1.88E-01	6.08E-04	Onsite	Non-Resident
R5504	488,315	3,626,887	1.94E-01	6.27E-04	Onsite	Non-Resident
R5505	488,340	3,626,887	2.00E-01	6.46E-04	Onsite	Non-Resident
R5506	488,240	3,626,862	1.84E-01	5.94E-04	Onsite	Non-Resident
R5507	488,265	3,626,862	1.90E-01	6.13E-04	Onsite	Non-Resident
R5508	488,290	3,626,862	1.95E-01	6.31E-04	Onsite	Non-Resident
R5509	488,315	3,626,862	2.01E-01	6.51E-04	Onsite	Non-Resident
R5510	488,215	3,626,837	1.85E-01	5.98E-04	Onsite	Non-Resident
R5511	488,240	3,626,837	1.91E-01	6.17E-04	Onsite	Non-Resident
R5512	488,265	3,626,837	1.97E-01	6.36E-04	Onsite	Non-Resident
R5513	488,190	3,626,812	1.86E-01	6.01E-04	Onsite	Non-Resident
R5514	488,215	3,626,812	1.92E-01	6.19E-04	Onsite	Non-Resident
R5515	488,240	3,626,812	1.98E-01	6.39E-04	Onsite	Non-Resident
R5516	488,165	3,626,787	1.87E-01	6.04E-04	Onsite	Non-Resident
R5517	488,190	3,626,787	1.93E-01	6.23E-04	Onsite	Non-Resident
R5518	488,215	3,626,787	1.99E-01	6.44E-04	Onsite	Non-Resident
R5519	488,140	3,626,762	1.88E-01	6.09E-04	Onsite	Non-Resident
R5520	488,165	3,626,762	1.94E-01	6.28E-04	Onsite	Non-Resident
R5521	488,115	3,626,737	1.90E-01	6.13E-04	Onsite	Non-Resident
R5522	488,140	3,626,737	1.96E-01	6.33E-04	Onsite	Non-Resident
R5523	488,090	3,626,712	1.91E-01	6.17E-04	Onsite	Non-Resident
R5524	488,065	3,626,687	1.92E-01	6.21E-04	Onsite	Non-Resident

Notes:

<sup>1</sup> The projection datum is NAD-83.

<sup>2</sup> Exposure parameters for workers were used to estimate health impacts for the non-resident receptors on-site.

Abbreviations:

m - meter

NAD - North American Datum

UTM - Universal Transverse Mercator

SDSU - San Diego State University