Project No: 551-10

TRAFFIC STUDY

TENTATIVE TRACT MAP 20576
PROPOSED SINGLE-FAMILY RESIDENTIAL DEVELOPMENT
CITY OF VICTORVILLE

Prepared for:

RODEO CREDIT ENTERPRISES, LLC

August 2023

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INTRODUCTION

The purpose of this study is to evaluate the potential traffic impacts of Tentative Tract Map 20576, a single-family residential development located in the northwest quadrant of Topaz Road and Mesa Street in the City of Victorville, California. A vicinity map is presented in Figure 1 and a location map is presented in Figure 2.

The study methodology is consistent with the City of Victorville *General Guidelines for Conducting Traffic Studies and Determination of Intersection Level of Service and Improvement Needs,* dated January 20, 2005, and the City of Victorville *Vehicle Miles Traveled (VMT) Analysis Guidelines*, adopted June 16, 2020. The scope of the study includes six intersections and was developed in coordination with Engineering Department staff at the City of Victorville.

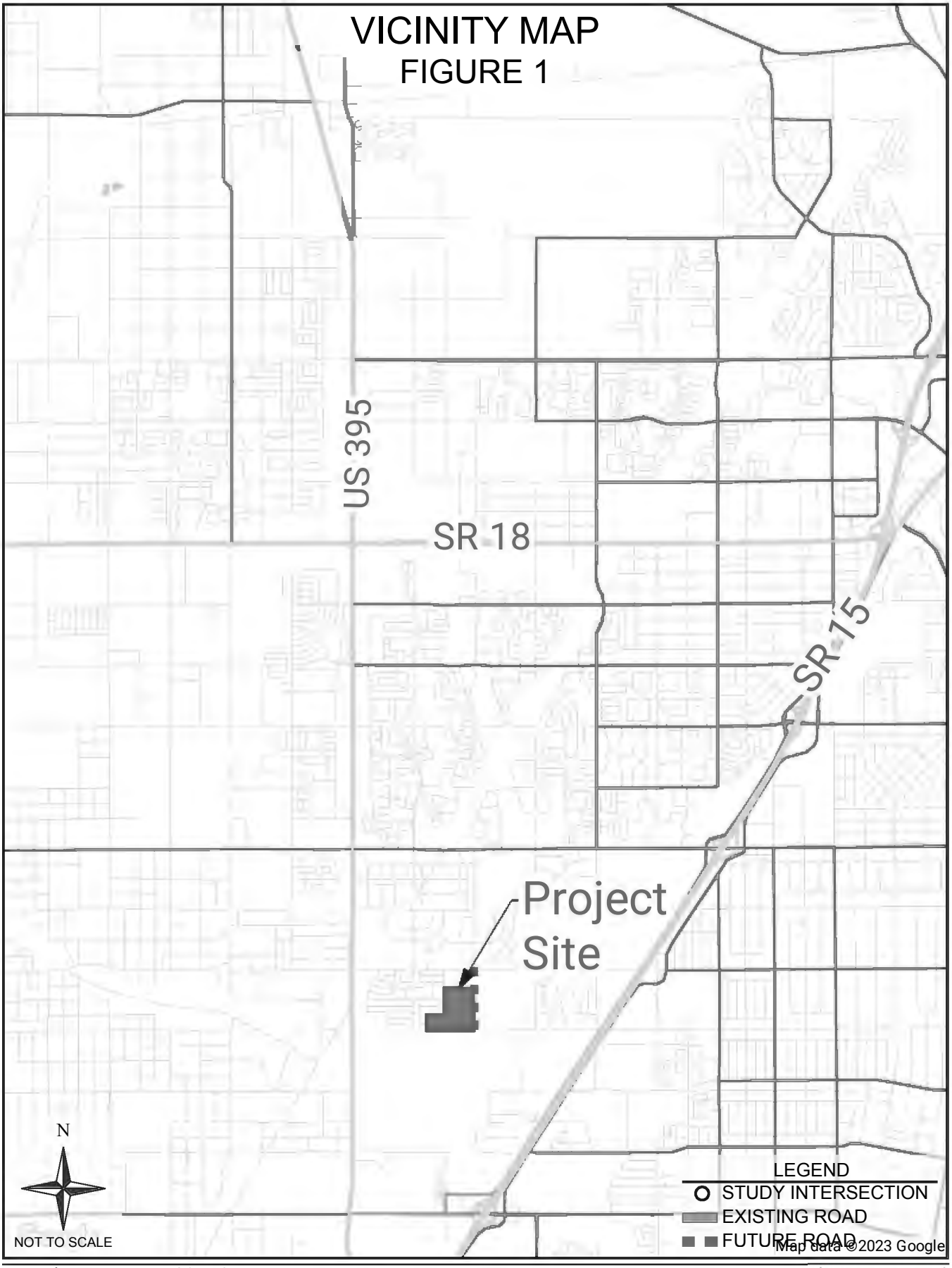
Project Land Use and Site Access

The project site is situated on approximately 49 acres of land which is currently vacant and undeveloped. The property is zoned R-1T (Single Family Residential) and has a General Plan land use designation of Low Density Residential. The tentative tract map is provided in Figure 3.

The proposed development would include 246 single-family lots. Primary access to the project would be provided by way of Mesa Street and a future extension of Topaz Road south of Eucalyptus Street. It was assumed for the purposes of this study that project buildout would occur in the year 2030.

Existing Land Uses in Project Vicinity

Residential development exists immediately west of the project site and vacant land is located directly to the north, south and east. Residential land uses also lie further to the north and east. Commercial development is located primarily along Bear Valley Road approximately one mile north of the project site.


VICINITY MAP
FIGURE 1
US 395
SR 18
SR 15
Project Site
N
NOT TO SCALE
LEGEND
STUDY INTERSECTION
EXISTING ROAD
FUTURE ROAD
Map data ©2023 Google


LOCATION MAP
FIGURE 2
Luna Rd
La Mesa Rd
Mesa Linda Ave
Amethyst Rd
US 395
Bear Valley Rd
Topaz Rd
Sycamore St
Eucalyptus St
Mesa Linda St
Project Site
Mesa St
Amargosa Rd
SR 15
Mariposa Rd
N
NOT TO SCALE
LEGEND
COUNT LOCATION
Map data ©2023 Google

FIGURE 3: TENTATIVE TRACT MAP

Roadway Descriptions

Amethyst Road is a major arterial that extends north from Sycamore Street. Within the study area it operates with four lanes and provides access to residential and commercial land uses.

Bear Valley Road is an east-west super arterial that intersects US Route 395 approximately 0.5 miles north of Sycamore Street and has an interchange connection to Interstate 15 approximately 3 miles east of US Route 395. It operates within the study area as a four-lane roadway with improvements adjacent to development and graded shoulders elsewhere. Bear Valley Road provides access primarily to residential and commercial land uses.

Eucalyptus Street is an east-west roadway that intersects US Route 395 approximately 1 mile south of Bear Valley Road. It is designated as a super arterial west of US Route 395 and east of Topaz Road, and as a major arterial between US Route 395 and Topaz Road. Eucalyptus Street operates in the project vicinity as a two-lane roadway in various stages of widening and improvement and provides access to residential land uses.

Mesa Linda Street is a collector that extends north from Meas Street approximately 0.5 miles east of US Route 395. It operates within the study area as a two-lane roadway providing access to residential land uses.

Sycamore Street is a collector that intersects US Route 395 approximately 0.5 miles south of Bear Valley Road. It exists within the study area as a two-lane roadway with improvements adjacent to development and graded shoulders elsewhere. Sycamore Street provides access to residential land uses.

Topaz Road is an arterial that extends north from Eucalyptus Street. Within the project vicinity, it exists as a two-lane roadway and provides access primarily to residential land uses. It is anticipated that a southerly extension of Topaz Road from Eucalyptus Street to Mesa Street would be completed as part of the project.

US Route 395 is a north-south highway that exists between State Route 14 and State Route 15. Within the study area, it exists as a four-lane roadway and provides access to residential land uses.

PROJECT TRIP GENERATION AND DESIGN HOUR VOLUMES

The project trip generation and design hour volumes shown in Table 1 were estimated using the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 11th Edition (September 2021). Trip rate equations and directional splits for ITE Land Use Code 210 (Single-Family Detached Housing) were used to estimate project trips for weekday peak hour of adjacent street traffic based on information provided by the project applicant.

Table 1
Project Trip Generation

General Information			Daily Trips		AM Peak Hour Trips			PM Peak Hour Trips		
ITE Code	Development Type	Variable	ADT RATE	ADT	Rate	In % Split/ Trips	Out % Split/ Trips	Rate	In % Split/ Trips	Out % Split/ Trips
210	Single-Family detached Housing	246 Dwelling Units	eq	2310	eq	26% 44	74% 125	eq	63% 146	37% 86

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

The distribution of project peak hour trips is shown in Table 2 and represents the movement of traffic accessing the project site by direction. The project trip distribution was developed based on site location and travel patterns anticipated for the proposed land use.

Table 2
Project Trip Distribution

Direction	Percent
North	35
East	35
South	15
West	15

Project peak hour trips were assigned to the study intersections as shown in Figure 4. Project trip assignment was developed based on trip generation, trip distribution and likely travel routes for traffic accessing the project site.

EXISTING AND FUTURE TRAFFIC

Existing

Weekday peak hour turning movement counts were obtained at the existing study intersections in July 2023 (see Appendix for count data). Since the count data was collected outside of the regular academic school year, existing traffic volumes were estimated by adding peak hour trips generated by the elementary, middle and high schools located closest to the project site to the count data (see Appendix for school trip generation estimates). This methodology was reviewed and approved by the City Engineering Department.

Existing peak hour volumes are shown in Figure 5. Existing plus project peak hour volumes are shown in Figure 6.

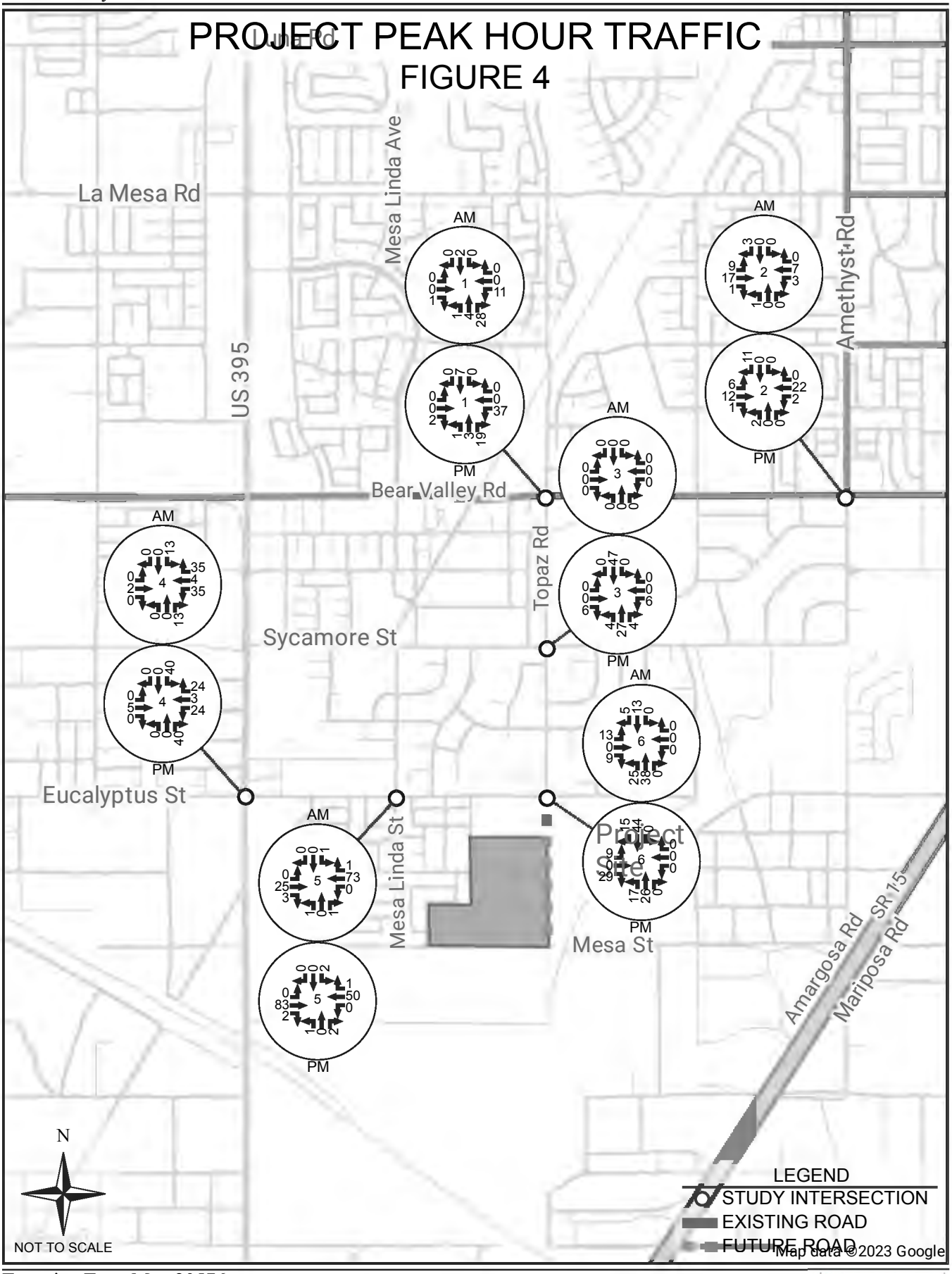
Future

An average annual growth rate of three percent was provided by the City Engineering Department and applied to the existing peak hour volumes to estimate future peak hour volumes for the years 2030 and 2040.

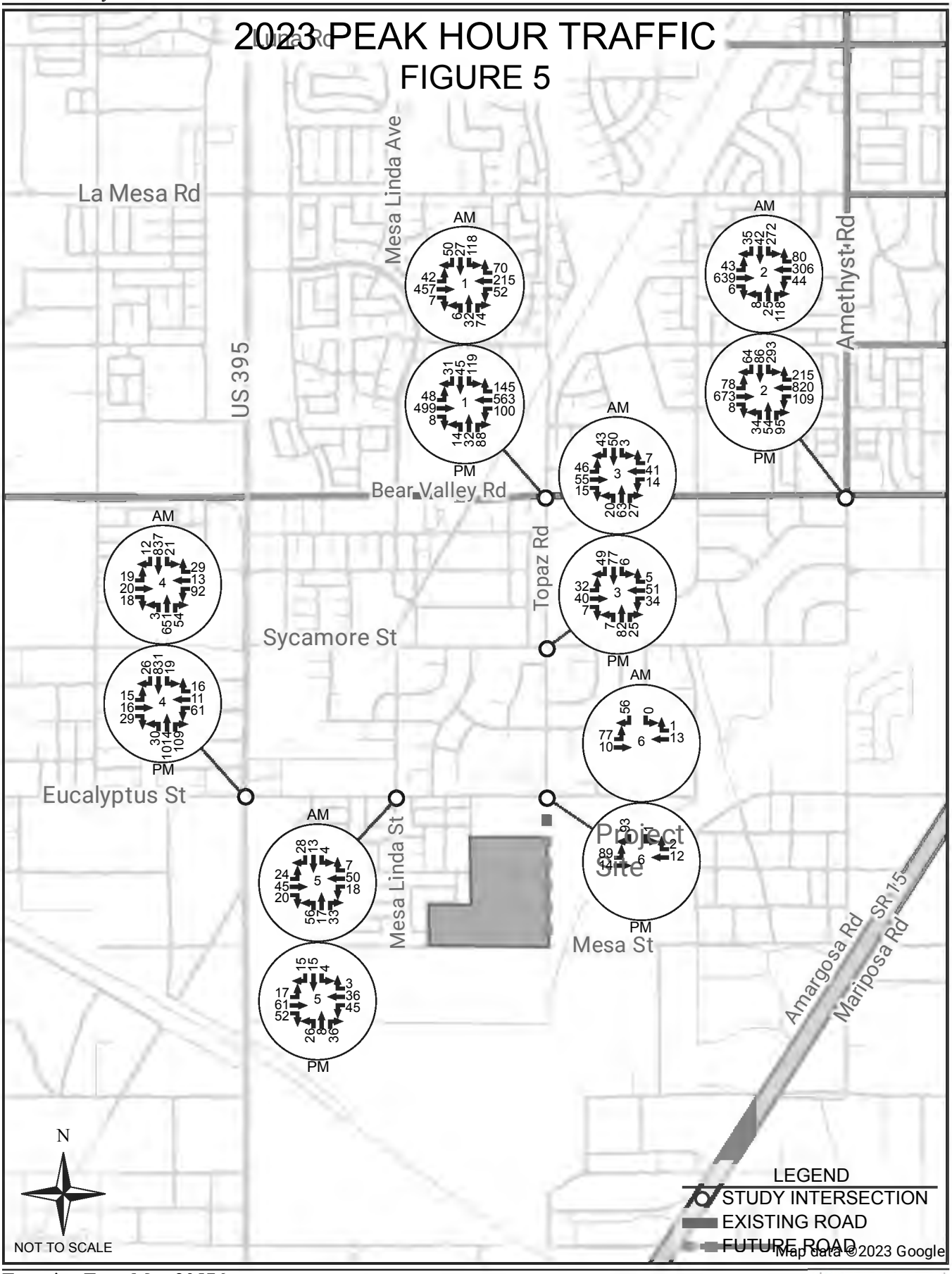
A public records request for approved and pending General Plan Amendment applications within a one-mile radius of the project was submitted to the City in order to identify future developments not accounted for in the San Bernardino Transportation Analysis Model (SBTAM). No such applications were found in the Activity Report Summary documents provided by the City Planning Division for calendar years 2018, 2019, 2020, 2021, 2022 and 2023 (January through March). Therefore, no adjustments were made to the annual growth projections for the years 2030 and 2040.

Future volumes for the year 2030, both without and with project traffic, are shown in Figures 7 and 8, respectively. The same for the year 2040 is shown in Figures 9 and 10, respectively.

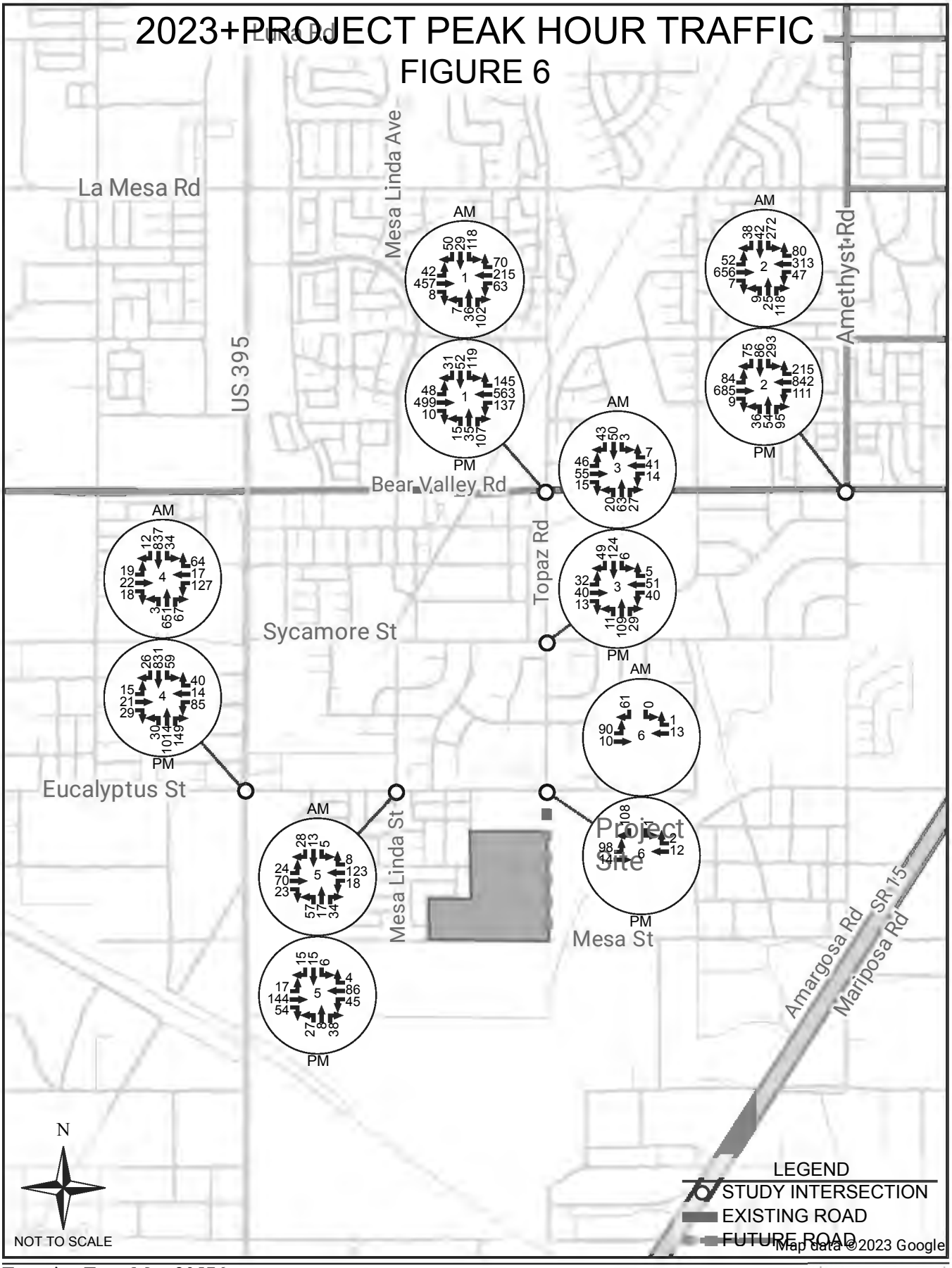
PROJECT PEAK HOUR TRAFFIC
FIGURE 4



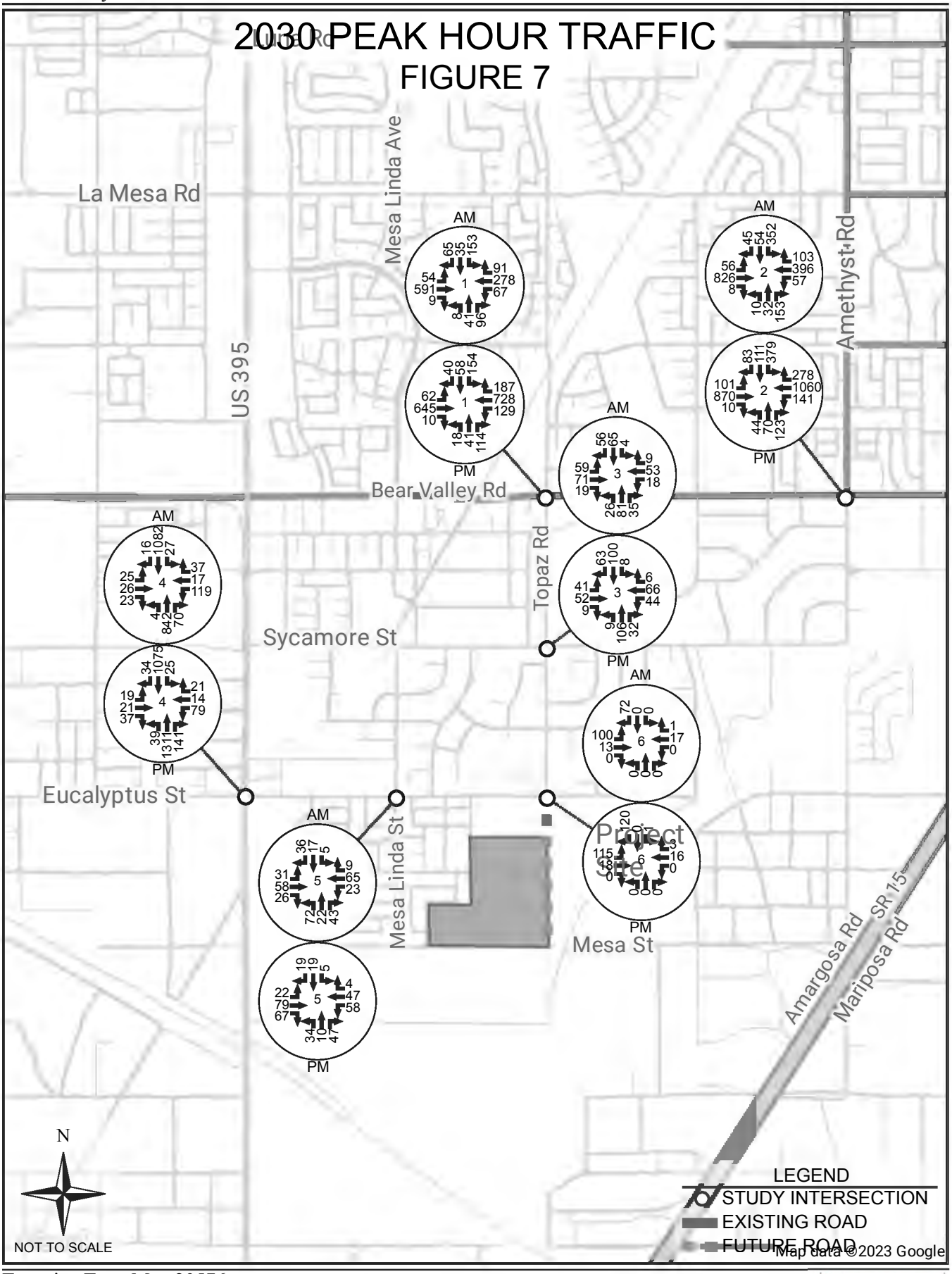
2023 PEAK HOUR TRAFFIC
FIGURE 5



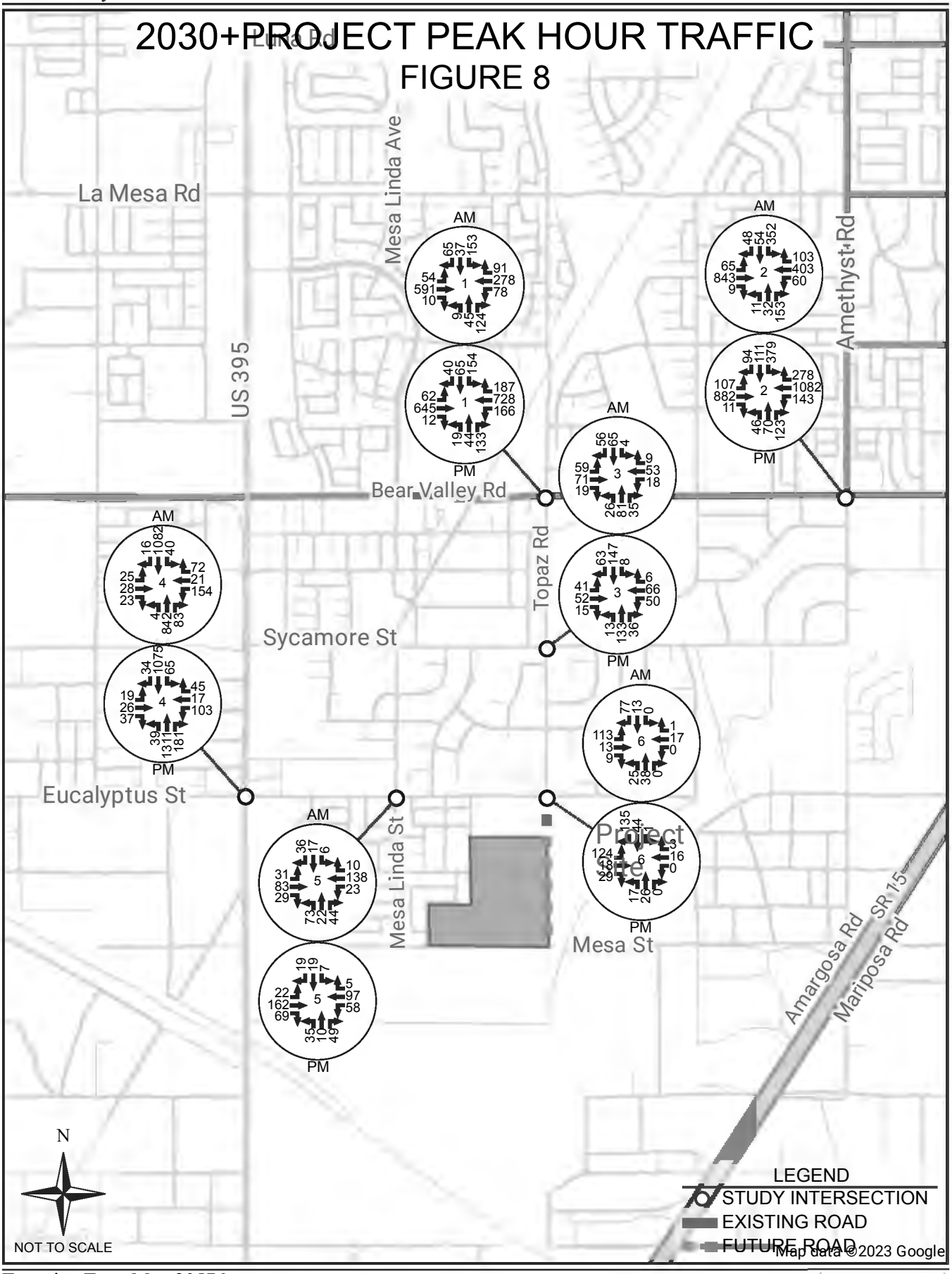
2023+PROJECT PEAK HOUR TRAFFIC
FIGURE 6



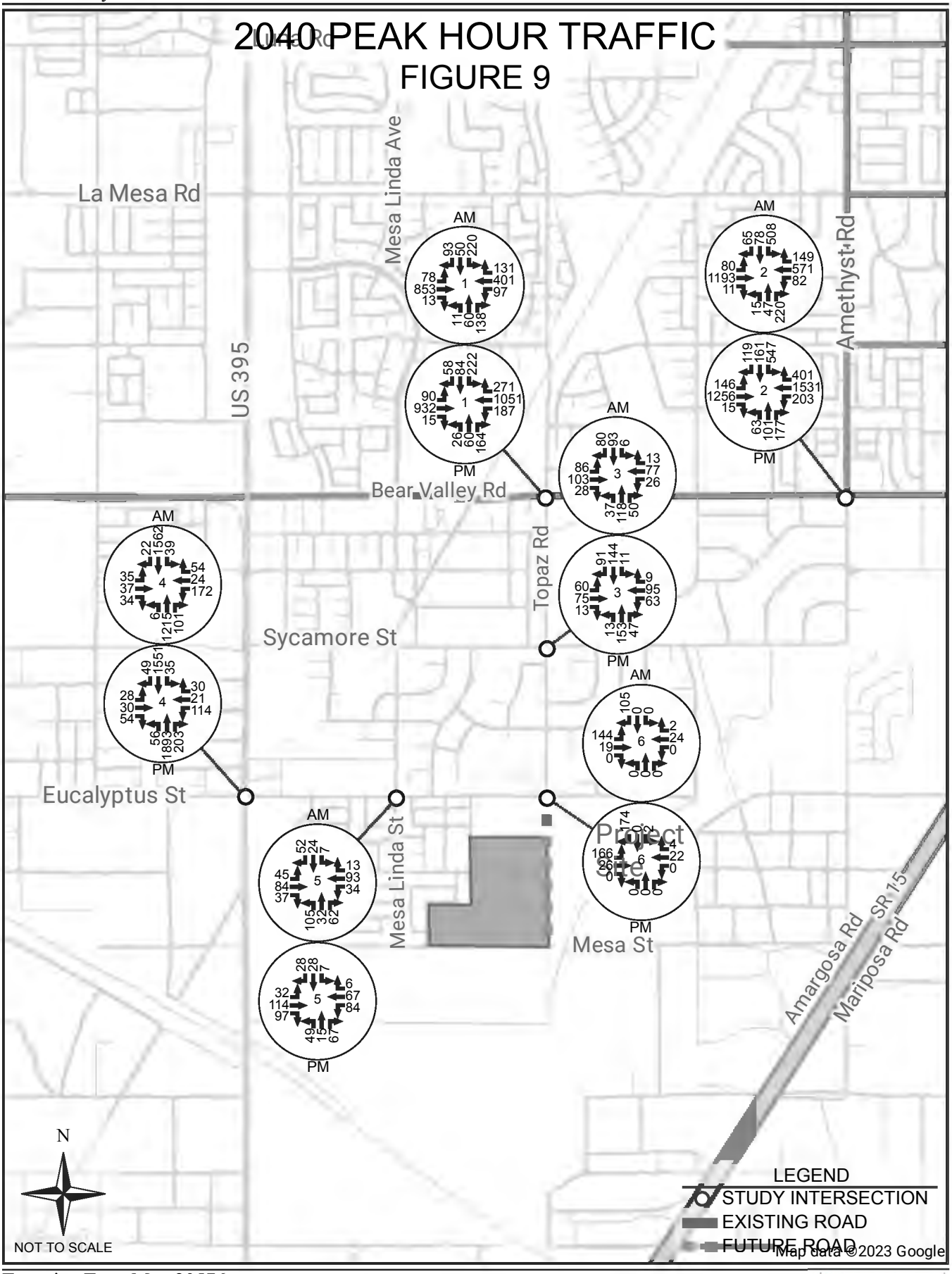
2030 PEAK HOUR TRAFFIC
FIGURE 7



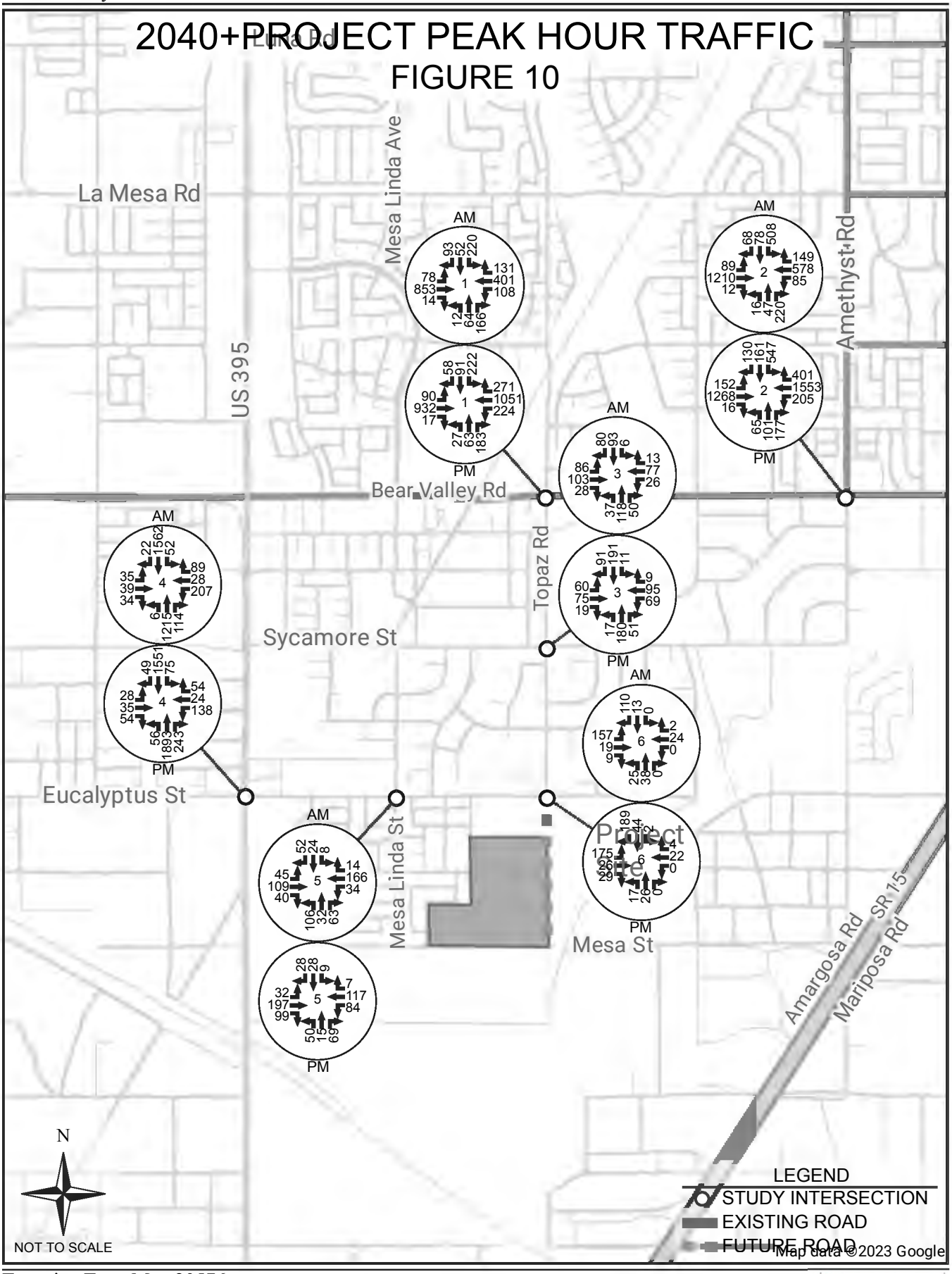
2030+PROJECT PEAK HOUR TRAFFIC
FIGURE 8



2040 PEAK HOUR TRAFFIC
FIGURE 9



2040+PROJECT PEAK HOUR TRAFFIC
FIGURE 10



INTERSECTION ANALYSIS

A capacity analysis of the study intersections was conducted using Synchro 11 from Trafficware. This software utilizes the capacity analysis methodology in the Transportation Research Board's *Highway Capacity Manual 2010* (HCM 2010). The analysis was performed for each of the following traffic scenarios.

- Existing Year (2023)
- Existing Year (2023) + Project
- Opening Year (2030)
- Opening Year (2030) + Project
- Future Year (2040)
- Future Year (2040) + Project

Level of service (LOS) criteria for unsignalized and signalized intersections, as defined in HCM 2010, are presented in the tables below.

Level of Service Criteria
Unsignalized Intersections

Level of Service	Average Control Delay (sec/veh)	Expected Delay to Minor Street Traffic
A	≤ 10	Little or no delay
B	> 10 and ≤ 15	Short delays
C	> 15 and ≤ 25	Average delays
D	> 25 and ≤ 35	Long delays
E	> 35 and ≤ 50	Very long delays
F	> 50	Extreme delays

Level of Service Criteria
Signalized Intersections

Level of Service	Average Control Delay (sec/veh)	Volume-to-Capacity Ratio
A	≤ 10	< 0.60
B	> 10 and ≤ 20	0.61 - 0.70
C	> 20 and ≤ 35	0.71 - 0.80
D	> 35 and ≤ 55	0.81 - 0.90
E	> 55 and ≤ 80	0.91 - 1.00
F	> 80	> 1.00

As stated in the Circulation Element of the *City of Victorville General Plan 2030*, the City has set an intersection level of service goal of LOS D or better, except in certain high activity areas, as designated by the Planning Commission, where LOS E is acceptable. A minimum acceptable level of service threshold of LOS D was used for this study.

Peak hour level of service for the study intersections is presented in Tables 3a and 3b (see Appendix for Synchro output).

Table 3a
Intersection Level of Service
Weekday PM Peak Hour

#	Intersection	Control Type	2023	2023+ Project	2030	2030+ Project	2040	2040+ Project
1	Topaz Rd & Bear Valley Rd	Signal	C	C	C	D	D	D
2	Amethyst Rd & Bear Valley Rd	Signal	C	C	D	D	D	D
3	Topaz Rd & Sycamore St	AWSC	A	A	A	A	B	B
4	US 395 & Eucalyptus St	Signal	B	B	B	B	B	C
5	Mesa Linda St & Eucalyptus St	AWSC	A	A	A	A	A	A
6	Topaz Rd & Eucalyptus St	NB SB	- A	A A	- A	A B	- A	A B

Table 3b
Intersection Level of Service
Weekday AM Peak Hour

#	Intersection	Control Type	2023	2023+ Project	2030	2030+ Project	2040	2040+ Project
1	Topaz Rd & Bear Valley Rd	Signal	C	C	D	D	D	D
2	Amethyst Rd & Bear Valley Rd	Signal	C	C	D	D	D	D
3	Topaz Rd & Sycamore St	AWSC	A	A	A	A	B	B
4	US 395 & Eucalyptus St	Signal	B	B	B	B	C	C
5	Mesa Linda St & Eucalyptus St	AWSC	A	A	A	A	A	B
6	Topaz Rd & Eucalyptus St	NB SB	- A	A A	- A	A A	- A	A A

WARRANT ANALYSIS

All-way stop control and traffic signal warrant analyses were conducted using Synchro 9 from Trafficware (see Appendix for Synchro output).

All-Way Stop Control

The potential need for all-way stop control was analyzed for the intersection of Topaz Road/Mesa Street (#6). Stop control currently exists on Topaz Road only. As shown in Table 4a, warrant conditions are not met for any of the analysis scenarios.

Table 4a
All-Way Stop Control Warrant Analysis

#	Intersection	2023	2023+ Project	2030	2030+ Project	2040	2040+ Project
6	Topaz Rd at Eucalyptus St	NO	NO	NO	NO	NO	NO

Traffic Signal

Peak hour signal warrants were analyzed for all three unsignalized intersections in the study area. Peak hour signal warrants assess delay to traffic on minor street approaches when entering or crossing a major street. As shown in Tables 4b and 4c, warrant conditions are not met for any of the analysis scenarios.

Table 4b
Traffic Signal Warrant Analysis
Weekday PM Peak Hour

		2023			2023+Project			2030		
#	Intersection	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met
3	Topaz Rd at Sycamore St	246	90	NO	328	96	NO	439	152	NO
5	Mesa Linda St at Eucalyptus St	214	70	NO	350	73	NO	362	123	NO
6	Topaz Rd at Eucalyptus St	117	94	NO	196	141	NO	201	162	NO

		2030+Project			2040			2040+Project		
#	Intersection	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met
3	Topaz Rd at Sycamore St	531	173	NO	459	167	NO	541	173	NO
5	Mesa Linda St at Eucalyptus St	507	134	NO	400	131	NO	536	134	NO
6	Topaz Rd at Eucalyptus St	261	230	NO	218	176	NO	278	230	NO

Table 4c
Traffic Signal Warrant analysis
Weekday AM Peak Hour

		2023			2023+Project			2030		
#	Intersection	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met
3	Topaz Rd at Sycamore St	206	116	NO	206	116	NO	364	201	NO
5	Mesa Linda St at Eucalyptus St	164	106	NO	266	108	NO	292	187	NO
6	Topaz Rd at Eucalyptus St	101	56	NO	137	109	NO	172	95	NO

		2030+Project			2040			2040+Project		
#	Intersection	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met	Major Street Total Approach Vol	Minor Street High Approach Vol	Warrant Met
3	Topaz Rd at Sycamore St	334	212	NO	384	217	NO	384	217	NO
5	Mesa Linda St at Eucalyptus St	372	188	NO	306	199	NO	408	201	NO
6	Topaz Rd at Eucalyptus St	192	113	NO	189	105	NO	211	123	NO

It is important to note that a signal warrant defines the minimum condition under which signalization of an intersection might be warranted. Meeting this threshold does not suggest traffic signals are required, but rather, that other traffic factors and conditions be considered to determine whether signals are truly justified.

It is also noted that signal warrants do not necessarily correlate with level of service. An intersection may satisfy a signal warrant condition and operate at or above an acceptable level of service or operate below an acceptable level of service and not meet signal warrant criteria.

VMT ANALYSIS

An analysis of project vehicle miles traveled (VMT) was conducted in accordance with the City of Victorville *Vehicle Miles Traveled (VMT) Analysis Guidelines*, adopted June 16, 2020. These VMT guidelines provide metrics consistent with SB 743 requirements for assessing and mitigating transportation impacts within the California Environmental Quality Act (CEQA).

Project Screening

Parameters defined in the VMT guidelines were entered into the San Bernardino County Transportation Authority (SBCTA) VMT screening tool, a web-based application that determines whether a project requires a detailed VMT analysis. These screening parameters, listed below, generated results indicating the project site is not located in a low VMT area (see Appendix for screening tool output). Therefore, a detailed VMT analysis is required.

- Analysis Methodology = Production-Attraction (PA)
- Metric = VMT per Service Population
- Baseline Year = 2023
- Significance Threshold = City General Plan Buildout VMT per Service Population

Detailed Analysis

The detailed analysis of project VMT was conducted by LSA Associates, Inc. (Riverside, California) using the Southern California Association of Governments (SCAG) travel demand model. The VMT analysis results are summarized in Tables 5a and 5b (see Appendix for VMT analysis memorandum).

Table 5a
VMT Analysis
Project VMT

VMT Metric	VMT		Significant Impact
	Project[1]	Threshold[2]	
PA VMT per Service Population	25.8	26.3	NO

[1] Base year = 2016
[2] Significance threshold = City of Victorville General Plan Buildout VMT
Estimated using "NO Project" SBTAM 2040 model run

Table 5b
VMT Analysis
Project Impact on City VMT

VMT Metric	Citywide VMT[1]		Significant Impact
	Project	NO Project	
PA VMT per Service Population	13.9	14.0	NO

[1] Base year = 2016

As shown in the tables above, project VMT per service population (25.8) is less than the City's significance threshold (26.3), and the citywide VMT per service population is lower with the project (13.9) than without the project (14.0). Therefore, the project is not expected to result in a significant transportation impact under CEQA and mitigation would not be required.

REFERENCES

1. *City of Victorville General Plan 2030*, Resolution No. P-08-152 and P-08-153, September 24, 2008
2. *General Guidelines for Conducting Traffic Studies and Determination of Intersection Level of Service and Improvement Needs,* City of Victorville, dated January 20, 2005
3. *Highway Capacity Manual 2010*, Transportation Research Board
4. *Trip Generation Manual*, 11th Edition, Institute of Transportation Engineers (ITE), September 2021
5. *Vehicle Miles Traveled (VMT) Analysis Guidelines*, City of Victorville, Resolution 20-031, June 16, 2020

APPENDIX

Turning Movement Count Report AM

Location ID: 1
North/South: Topaz Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	4	4	16	7	30	2	6	1	1	0	55	2	128
6:15	0	1	12	5	46	6	13	0	3	0	52	1	139
6:30	6	1	21	7	40	7	14	4	1	0	53	3	157
6:45	8	0	20	7	36	13	19	3	1	1	88	4	200
7:00	12	5	17	9	42	11	14	4	3	3	86	4	210
7:15	3	3	28	12	55	9	21	7	0	1	101	5	245
7:30	9	7	24	15	47	8	13	4	2	3	106	1	239
7:45	10	7	38	15	68	15	18	5	1	0	159	4	340
Total Volume:	52	28	176	77	364	71	118	28	12	8	700	24	1658
Approach %	20%	11%	69%	15%	71%	14%	75%	18%	8%	1%	96%	3%	

Peak Hr Begin:	7:00												
PHV	34	22	107	51	212	43	66	20	6	7	452	14	1034
PHF	0.741			0.781			0.821			0.725			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report PM

Location ID: 1
North/South: Topaz Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	7	10	40	35	121	27	31	5	3	1	118	14	412
16:15	8	10	24	36	159	19	20	5	6	1	138	10	436
16:30	6	14	24	42	128	29	19	8	3	1	119	9	402
16:45	4	9	27	28	154	23	15	11	2	5	123	9	410
17:00	12	15	31	33	149	30	21	4	4	9	130	7	445
17:15	11	24	28	34	127	26	26	4	5	2	128	11	426
17:30	6	16	35	30	134	34	19	10	2	5	145	10	446
17:45	7	22	24	45	137	34	18	9	1	5	126	8	436
Total Volume:	61	120	233	283	1109	222	169	56	26	29	1027	78	3413
Approach %	15%	29%	56%	18%	69%	14%	67%	22%	10%	3%	91%	7%	

Peak Hr Begin:	17:00												
PHV	36	77	118	142	547	124	84	27	12	21	529	36	1753
PHF	0.917			0.941			0.879			0.916			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 1
North/South: Topaz Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	1	0
6:45	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	0
7:30	0	0	0	0	1	0	0	0
7:45	0	0	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0

Turning Movement Count Report AM

Location ID: 2
North/South: Amethyst Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	3	4	46	6	42	8	11	2	2	1	89	5	219
6:15	7	2	46	11	51	1	9	3	1	2	81	8	222
6:30	5	3	51	14	49	4	24	2	3	1	95	8	259
6:45	6	5	69	14	54	12	21	4	1	2	143	8	339
7:00	3	8	54	14	67	7	25	1	2	2	115	3	301
7:15	7	11	57	20	61	6	23	8	3	1	150	7	354
7:30	3	8	89	21	62	11	39	6	2	0	153	10	404
7:45	10	15	69	20	97	20	31	10	1	3	208	13	497
Total Volume:	44	56	481	120	483	69	183	36	15	12	1034	62	2595
Approach %	8%	10%	83%	18%	72%	10%	78%	15%	6%	1%	93%	6%	

Peak Hr Begin:	7:00												
PHV	23	42	269	75	287	44	118	25	8	6	626	33	1556
PHF	0.835			0.741			0.803			0.742			

Turning Movement Count Report PM

Location ID: 2
North/South: Amethyst Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	17	24	67	43	194	25	29	10	7	4	174	18	612
16:15	13	31	80	60	216	23	16	13	8	0	172	16	648
16:30	13	13	79	57	201	32	33	17	8	2	166	17	638
16:45	18	18	66	54	205	29	17	14	11	2	156	24	614
17:00	12	23	49	64	213	30	37	12	10	1	155	32	638
17:15	17	29	64	51	191	32	37	18	8	0	156	23	626
17:30	13	27	83	60	190	34	40	14	6	2	166	29	664
17:45	15	26	61	45	226	31	30	14	7	0	155	18	628
Total Volume:	118	191	549	434	1636	236	239	112	65	11	1300	177	5068
Approach %	14%	22%	64%	19%	71%	10%	57%	27%	16%	1%	87%	12%	

Peak Hr Begin:	17:00												
PHV	57	105	257	220	820	127	144	58	31	3	632	102	2556
PHF	0.852			0.950			0.925			0.935			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 2
North/South: Amethyst Rd
East/West: Bear Valley Rd

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	*Peds*	*Bicycle*	*Peds*	*Bicycle*	*Peds*	*Bicycle*	*Peds*	*Bicycle*
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	1	0	0	0
6:45	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0
7:15	3	0	0	0	0	0	0	0
7:30	2	0	0	0	0	0	0	0
7:45	2	2	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	*Peds*	*Bicycle*	*Peds*	*Bicycle*	*Peds*	*Bicycle*	*Peds*	*Bicycle*
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	1	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	2	0	0	0	0	0	2	0
17:15	0	0	0	0	0	0	1	0
17:30	1	0	0	0	0	0	0	1
17:45	0	0	0	0	0	0	0	0

Turning Movement Count Report AM

Location ID: 3
North/South: Topaz Rd
East/West: Sycamore St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	2	6	0	1	4	2	0	6	0	0	4	0	25
6:15	3	3	0	0	1	1	4	10	0	1	5	4	32
6:30	2	6	0	1	4	0	4	12	0	0	9	6	44
6:45	4	6	0	0	3	1	4	17	1	0	5	5	46
7:00	6	12	0	0	4	5	8	11	0	0	11	9	66
7:15	5	8	0	0	2	3	6	21	0	1	8	6	60
7:30	4	10	0	2	7	2	9	9	0	0	10	7	60
7:45	6	11	0	0	4	4	4	14	1	1	13	6	64
Total Volume:	32	62	0	4	29	18	39	100	2	3	65	43	397
Approach %	34%	66%	0%	8%	57%	35%	28%	71%	1%	3%	59%	39%	

Peak Hr Begin:	7:00												
PHV	21	41	0	2	17	14	27	55	1	2	42	28	250
PHF	0.861			0.750			0.769			0.900			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report PM

Location ID: 3
North/South: Topaz Rd
East/West: Sycamore St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	9	18	1	3	14	3	5	24	1	0	8	7	93
16:15	10	14	0	0	13	9	4	19	2	1	9	7	88
16:30	15	21	1	1	3	8	12	20	0	1	11	5	98
16:45	10	22	3	0	16	14	4	16	0	0	7	7	99
17:00	11	24	3	1	12	10	4	13	0	2	7	7	94
17:15	26	26	0	4	15	10	10	16	0	1	14	10	132
17:30	8	43	1	4	14	16	5	22	1	2	16	4	136
17:45	12	48	1	2	14	19	10	19	0	0	9	7	141
Total Volume:	101	216	10	15	101	89	54	149	4	7	81	54	881
Approach %	31%	66%	3%	7%	49%	43%	26%	72%	2%	5%	57%	38%	

Peak Hr Begin:	17:00												
PHV	57	141	5	11	55	55	29	70	1	5	46	28	503
PHF	0.832			0.864			0.862			0.790			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 3
North/South: Topaz Rd
East/West: Sycamore St

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	1	0
6:45	0	0	1	0	0	0	0	0
7:00	0	0	1	0	0	0	0	0
7:15	0	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0

Turning Movement Count Report AM

Location ID: 4
North/South: US 395
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	1	181	5	1	0	17	11	138	5	5	0	2	366
6:15	3	194	5	2	1	24	5	141	3	1	0	2	381
6:30	1	200	2	3	1	29	12	170	8	6	0	2	434
6:45	2	216	7	7	1	17	10	172	6	5	1	2	446
7:00	2	193	4	4	0	20	10	163	2	3	0	6	407
7:15	4	214	3	3	1	12	8	178	0	5	0	3	431
7:30	2	238	0	4	1	25	10	163	1	3	0	4	451
7:45	4	192	2	5	0	19	9	147	0	7	1	6	392
Total Volume:	19	1628	28	29	5	163	75	1272	25	35	2	27	3308
Approach %	1%	97%	2%	15%	3%	83%	5%	93%	2%	55%	3%	42%	

Peak Hr Begin:	6:45												
PHV	10	861	14	18	3	74	38	676	9	16	1	15	1735
PHF	0.922			0.792			0.961			0.889			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report PM

Location ID: 4
North/South: US 395
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	9	196	3	1	1	17	38	252	7	2	4	3	533
16:15	6	207	6	3	4	13	28	251	4	7	1	3	533
16:30	6	235	1	4	1	14	20	249	9	11	5	6	561
16:45	5	193	6	4	1	12	19	262	10	9	2	3	526
17:00	6	218	8	5	4	20	28	242	8	6	0	7	552
17:15	7	193	7	6	1	24	30	253	8	5	2	5	541
17:30	10	164	4	2	2	7	38	228	3	3	4	4	469
17:45	9	180	11	0	2	9	35	262	9	2	3	3	525
Total Volume:	58	1586	46	25	16	116	236	1999	58	45	21	34	4240
Approach %	3%	94%	3%	16%	10%	74%	10%	87%	3%	45%	21%	34%	

Peak Hr Begin:	16:30												
PHV	24	839	22	19	7	70	97	1006	35	31	9	21	2180
PHF	0.914			0.774			0.978			0.693			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 4
North/South: US 395
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	1	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0

Turning Movement Count Report AM

Location ID: 5
North/South: Mesa Linda St
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	3	0	0	0	5	1	1	0	11	1	5	0	27
6:15	7	1	0	0	10	1	5	2	10	2	6	0	44
6:30	5	0	0	0	11	0	5	4	16	2	6	2	51
6:45	3	2	0	1	11	2	7	3	6	0	8	1	44
7:00	4	1	0	1	12	2	4	0	9	2	8	0	43
7:15	3	5	0	1	4	3	9	3	9	5	5	2	49
7:30	5	2	0	0	8	3	6	3	17	4	4	2	54
7:45	5	0	1	0	10	7	9	2	9	4	4	1	52

Total Volume:	35	11	1	3	71	19	46	17	87	20	46	8	364
Approach %	74%	23%	2%	3%	76%	20%	31%	11%	58%	27%	62%	11%	

Peak Hr Begin:	7:00												
PHV	17	8	1	2	34	15	28	8	44	15	21	5	198
PHF	0.813			0.750			0.769			0.854			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report PM

Location ID: 5
North/South: Mesa Linda St
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	2	2	1	1	7	9	10	2	7	10	19	4	74
16:15	3	6	1	0	9	9	2	1	6	17	14	4	72
16:30	2	2	0	0	8	10	14	2	5	10	13	5	71
16:45	4	3	1	1	6	16	9	1	5	13	10	0	69
17:00	5	2	0	1	8	9	6	0	8	14	13	2	68
17:15	5	4	1	1	16	15	11	2	10	16	22	5	108
17:30	2	5	0	2	3	15	11	2	5	14	20	8	87
17:45	1	6	0	1	5	7	12	6	3	20	27	4	92
Total Volume:	24	30	4	7	62	90	75	16	49	114	138	32	641
Approach %	41%	52%	7%	4%	39%	57%	54%	11%	35%	40%	49%	11%	

Peak Hr Begin:	17:00												
PHV	13	17	1	5	32	46	40	10	26	64	82	19	355
PHF	0.775			0.648			0.826			0.809			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 5
North/South: Mesa Linda St
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	0	0
6:45	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	0
7:45	0	0	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0

Turning Movement Count Report AM

Location ID: 6
North/South: Topaz Rd
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
6:00	5	0	0	0	3	0	0	0	0	0	3	5	16
6:15	6	0	0	0	2	0	0	0	0	0	2	9	19
6:30	5	0	1	1	4	0	0	0	0	0	2	13	26
6:45	9	0	0	0	3	0	0	0	0	0	1	20	33
7:00	10	0	0	1	4	0	0	0	0	0	1	12	28
7:15	7	0	0	0	0	0	0	0	0	0	3	19	29
7:30	13	0	0	0	1	0	0	0	0	0	2	14	30
7:45	13	0	0	0	3	0	0	0	0	0	1	13	30
Total Volume:	68	0	1	2	20	0	0	0	0	0	15	105	211
Approach %	99%	0%	1%	9%	91%	0%	0%	0%	0%	0%	13%	88%	

Peak Hr Begin:	6:45												
PHV	39	0	0	1	8	0	0	0	0	0	7	65	120
PHF	0.750			0.450			0.000			0.818			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report PM

Location ID: 6
North/South: Topaz Rd
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

	Southbound			Westbound			Northbound			Eastbound			
	1	2	3	4	5	6	7	8	9	10	11	12	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
16:00	17	0	0	0	3	0	0	0	0	0	2	28	50
16:15	19	0	0	0	2	0	0	0	0	0	6	16	43
16:30	23	0	1	2	3	0	0	0	0	0	3	26	58
16:45	30	0	0	0	3	0	0	0	0	0	2	14	49
17:00	23	0	1	0	4	0	0	0	0	0	6	18	52
17:15	29	0	1	0	9	0	0	0	0	0	10	23	72
17:30	35	0	0	0	4	0	0	0	0	0	5	28	72
17:45	33	0	0	0	3	0	0	0	0	0	7	29	72
Total Volume:	209	0	3	2	31	0	0	0	0	0	41	182	468
Approach %	99%	0%	1%	6%	94%	0%	0%	0%	0%	0%	18%	82%	

Peak Hr Begin:	17:00												
PHV	120	0	2	0	20	0	0	0	0	0	28	98	268
PHF	0.871			0.556			0.000			0.875			

Prepared by City Count, LLC. (www.citycount.com)

Pedestrian/Bicycle Count Report

Location ID: 6
North/South: Topaz Rd
East/West: Eucalyptus St

Date: 07/27/23
City: Victorville, CA

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
6:00	0	0	0	0	0	0	0	0
6:15	0	0	0	0	0	0	0	0
6:30	0	0	0	0	0	0	1	0
6:45	1	0	0	0	0	0	0	0
7:00	1	0	0	0	0	0	0	0
7:15	0	0	0	0	0	0	0	0
7:30	0	0	0	0	0	0	0	0
7:45	1	0	0	0	0	0	0	0

Leg:	North		East		South		West	
Class:	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle	Peds	Bicycle
16:00	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0

TRIP GENERATION

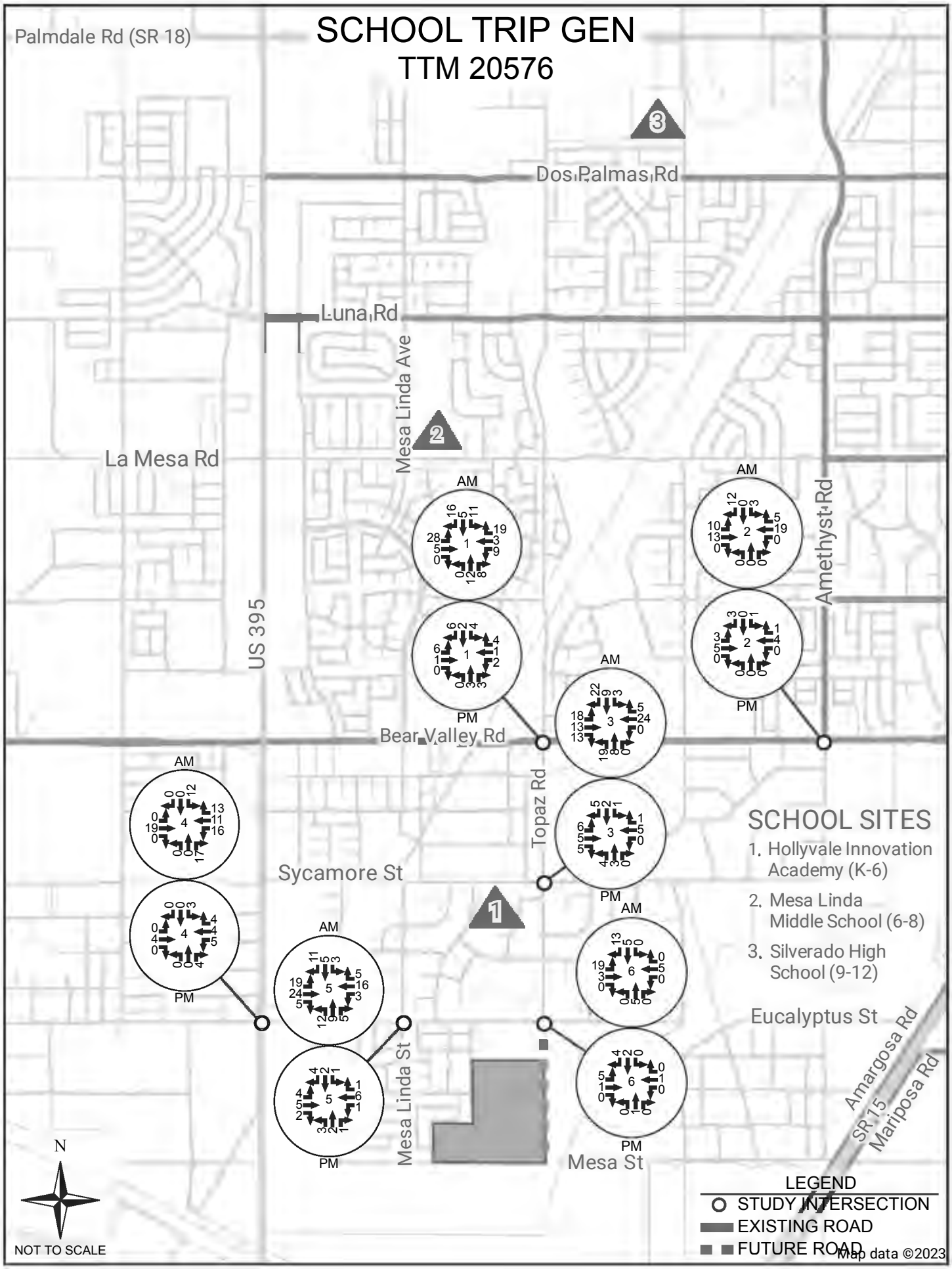
CITY OF VICTORVILLE - TTM 20576

PUBLIC SCHOOLS IN PROJECT VICINITY

Land Use			Daily Trips		AM Peak Hour Trips			PM Peak Hour Trips		
ITE Code	Development Type	Variable	ADT Rate	ADT	Rate	IN Split Trips	OUT Split Trips	Rate	IN Split Trips	OUT Split Trips
520	Elementary School	334 Students	2.27	758	0.74	54% 133	46% 114	0.16	46% 25	54% 29
522	Middle School/Junior High School	886 Students	eq	1,869	0.67	54% 321	46% 273	0.15	48% 64	52% 69
525	High School	2,209 Students	1.94	4,285	eq	68% 660	32% 310	0.14	48% 148	52% 161

ITE *Trip General Manual* , 11th Edition (September 2021)

SCHOOL TRIP GEN
TTM 20576



Warrants Summary Report PM 2023

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report PM 2023+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report PM 2030

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report PM 2030+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report PM 2040

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report PM 2040+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2023

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2023+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2030

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2030+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2040

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Warrants Summary Report AM 2040+Project

1: Topaz Rd and Eucalyptus St

Intersection Information

	Major Street	Minor Street
Street Name	Eucalyptus St	Topaz Rd
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approch Speed	45	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met'	No	0 Hours met (8 required)
Condition A and B Me	No	0 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi	No	0 Hours met (8 required)
Ped Condition?	No	0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

AWSC Warrant, Multiway Stop Application

No

Condition A Met?	No
Condition B Met?	No
Condition C Met?	No

BicycleWarrant

No 0 Hours met (1 required)

Warrant 1: Eight-hour Vehicular Volume

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	6th Ave
Major Street Direction:	EB/WB
Minor Street Direction:	NB/SB

WARRANT 1 MET? **No**

Details:

Condition A Met?	No	0 Hours met (8 required)
Condition B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)		High Volume Minor Approach Vehicles		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
					Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:15 to 01:15	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:30 to 01:30	**7**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
00:45 to 01:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

01:00 to 02:00	**7**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:15 to 02:15	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:30 to 02:30	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
01:45 to 02:45	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:15 to 03:15	**6**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:30 to 03:30	**5**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
02:45 to 03:45	**9**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:15 to 04:15	**15**		**0**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:30 to 04:30	**16**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

03:45 to 04:45	**13**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:00 to 05:00	**20**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:15 to 05:15	**22**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:30 to 05:30	**29**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

04:45 to 05:45	**40**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

05:00 to 06:00	**53**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:15 to 06:15	**59**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:30 to 06:30	**64**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

05:45 to 06:45	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:00 to 07:00	**83**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:15 to 07:15	**98**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:30 to 07:30	**131**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

06:45 to 07:45	219		21		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

07:00 to 08:00	326		42		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:15 to 08:15	337		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:30 to 08:30	322		44		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	Yes				

07:45 to 08:45	233		31		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:00 to 09:00	121		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:15 to 09:15	105		6		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

08:30 to 09:30	**90**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
08:45 to 09:45	**71**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:00 to 10:00	**73**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:15 to 10:15	**75**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:30 to 10:30	**82**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
09:45 to 10:45	**89**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:00 to 11:00	**83**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

10:15 to 11:15	**79**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:30 to 11:30	**84**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
10:45 to 11:45	**100**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:00 to 12:00	**102**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:15 to 12:15	**105**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:30 to 12:30	**104**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
11:45 to 12:45	**99**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:00 to 13:00	110		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:15 to 13:15	113		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:30 to 13:30	104		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

12:45 to 13:45	115		13		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:00 to 14:00	144		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:15 to 14:15	188		27		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:30 to 14:30	215		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

13:45 to 14:45	**212**		**35**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:00 to 15:00	**199**		**36**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:15 to 15:15	**220**		**18**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:30 to 15:30	**264**		**17**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
14:45 to 15:45	**269**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:00 to 16:00	**264**		**13**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			
15:15 to 16:15	**230**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No			
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No			
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No			
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No			

15:30 to 16:30	**195**		**12**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
15:45 to 16:45	**232**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:00 to 17:00	**245**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:15 to 17:15	**232**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:30 to 17:30	**217**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
16:45 to 17:45	**186**		**25**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
17:00 to 18:00	**180**		**27**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:15 to 18:15	**163**		**21**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:30 to 18:30	**159**		**19**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

17:45 to 18:45	**150**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:00 to 19:00	**153**		**14**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:15 to 19:15	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:30 to 19:30	**145**		**15**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

18:45 to 19:45	**143**		**10**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:00 to 20:00	**130**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:15 to 20:15	**147**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:30 to 20:30	**141**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

19:45 to 20:45	**129**		**9**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:00 to 21:00	**106**		**8**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:15 to 21:15	**91**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:30 to 21:30	**81**		**7**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

20:45 to 21:45	**71**		**6**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:00 to 22:00	**71**		**5**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:15 to 22:15	**64**		**4**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:30 to 22:30	**55**		**3**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
21:45 to 22:45	**49**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:00 to 23:00	**40**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				
22:15 to 23:15	**35**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:30 to 23:30	**32**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

22:45 to 23:45	**28**		**2**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:00 to 00:00	**24**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:15 to 00:15	**15**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:30 to 00:30	**8**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

23:45 to 00:45	**6**		**1**		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	**Volume >= 70% column (525)?**	No	**Volume >= 70% column (53)?**	No				
	Volume >= 56% column (420)?	No	**Volume >= 56% column (42)?**	No				

All-Way Stop Control Warrant: Multiway Stop Applications

1: 6th Ave and Quincy St

Intersection Information

Major Street Name:	Eucalyptus St
Major Street Direction:	EB/WB
Minor Street Direction:	SB

AWSC WARRANT MET? **No**

Details:

Condition A Met?	No	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	0.00
Condition C Met?	No	Major Street Speed Limit	45

Notes: 0 Hours Met (8 Required)

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street	Minor Street	
							Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Delay > 30

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	499	8	100	563	145	14	32	88	119	45	31
Future Volume (veh/h)	48	499	8	100	563	145	14	32	88	119	45	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	52	542	9	109	612	158	15	35	96	129	49	34
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	99	986	405	534	1518	391	254	204	159	190	132	103
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.28	0.28	0.33	0.54	0.52	0.15	0.11	0.11	0.12	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	46.7	30.9	24.5	22.8	13.4	13.7	33.6	38.0	43.1	44.3	43.0	28.0
Ln Grp LOS	D	C	C	C	B	B	C	D	D	D	D	C
Approach Vol, veh/h		603			879			146			212	
Approach Delay, s/veh		32.1			14.7			40.9			41.4	
Approach LOS		C			B			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	7	8
Case No	3.0	2.0	3.0	2.0	3.0	2.0	2.0	4.0
Phs Duration (G+Y+Rc), s	14.2	14.8	29.8	34.3	10.6	18.4	9.6	54.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	22.2	12.0	23.8	11.0	30.2	4.0	5.0	29.8
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.1	4.1	4.1	4.1
Max Q Clear (g_c+I1), s	7.8	9.0	14.1	6.5	4.3	2.7	4.9	14.1
Green Ext Time (g_e), s	0.3	0.1	1.7	0.1	0.2	0.0	0.0	2.6
Prob of Phs Call (p_c)	1.00	0.96	1.00	0.94	1.00	0.32	0.74	1.00
Prob of Max Out (p_x)	0.00	1.00	0.00	0.66	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5	7	
Mvmt Sat Flow, veh/h		1641		1641		1641	1641	

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2797

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		721

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	7	0
Lane Assignment			L (Prot)		L (Prot)		L (Prot)	L (Prot)	

Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	129	0	109	0	15	52	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	1641	0
Q Serve Time (g_s), s	0.0	7.0	0.0	4.5	0.0	0.7	2.9	0.0
Cycle Q Clear Time (g_c), s	0.0	7.0	0.0	4.5	0.0	0.7	2.9	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	190	0	534	0	254	99	0
V/C Ratio (X)	0.00	0.68	0.00	0.20	0.00	0.06	0.53	0.00
Avail Cap (c_a), veh/h	0	247	0	534	0	254	123	0
Upstream Filter (I)	0.00	1.00	0.00	0.76	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.4	0.0	22.7	0.0	33.5	42.4	0.0
Incr Delay (d2), s/veh	0.0	4.8	0.0	0.1	0.0	0.1	4.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	44.3	0.0	22.8	0.0	33.6	46.7	0.0
1st-Term Q (Q1), veh/ln	0.0	2.6	0.0	1.6	0.0	0.3	1.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	1.6	0.0	0.3	1.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.73	0.00	0.20	0.00	0.05	0.20	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	4	0	6	0	0	8
Lane Assignment	T		T		T			T
Lanes in Grp	1	0	2	0	1	0	0	1
Grp Vol (v), veh/h	35	0	542	0	49	0	0	388
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	0	1777
Q Serve Time (g_s), s	1.6	0.0	12.1	0.0	2.3	0.0	0.0	11.9
Cycle Q Clear Time (g_c), s	1.6	0.0	12.1	0.0	2.3	0.0	0.0	11.9
Lane Grp Cap (c), veh/h	204	0	986	0	132	0	0	964
V/C Ratio (X)	0.17	0.00	0.55	0.00	0.37	0.00	0.00	0.40
Avail Cap (c_a), veh/h	487	0	986	0	648	0	0	964
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.76
Uniform Delay (d1), s/veh	37.6	0.0	28.6	0.0	41.3	0.0	0.0	12.4
Incr Delay (d2), s/veh	0.4	0.0	2.2	0.0	1.7	0.0	0.0	1.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	38.0	0.0	30.9	0.0	43.0	0.0	0.0	13.4
1st-Term Q (Q1), veh/ln	0.7	0.0	4.7	0.0	1.0	0.0	0.0	3.9
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.3

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	0.0	5.0	0.0	1.1	0.0	0.0	4.1
%ile Storage Ratio (RQ%)	0.01	0.00	0.05	0.00	0.02	0.00	0.00	0.02
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	0	18
Lane Assignment	R		R		R			T+R
Lanes in Grp	1	0	1	0	1	0	0	1
Grp Vol (v), veh/h	96	0	9	0	34	0	0	382
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	0	1741
Q Serve Time (g_s), s	5.8	0.0	0.4	0.0	1.6	0.0	0.0	12.1
Cycle Q Clear Time (g_c), s	5.8	0.0	0.4	0.0	1.6	0.0	0.0	12.1
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.41
Lane Grp Cap (c), veh/h	159	0	405	0	103	0	0	945
V/C Ratio (X)	0.60	0.00	0.02	0.00	0.33	0.00	0.00	0.40
Avail Cap (c_a), veh/h	380	0	405	0	505	0	0	945
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.76
Uniform Delay (d1), s/veh	39.5	0.0	24.4	0.0	26.1	0.0	0.0	12.7
Incr Delay (d2), s/veh	3.6	0.0	0.1	0.0	1.9	0.0	0.0	1.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	43.1	0.0	24.5	0.0	28.0	0.0	0.0	13.7
1st-Term Q (Q1), veh/ln	2.0	0.0	0.1	0.0	0.7	0.0	0.0	3.9
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.3
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.1	0.0	0.1	0.0	0.7	0.0	0.0	4.2
%ile Storage Ratio (RQ%)	0.36	0.00	0.00	0.00	0.19	0.00	0.00	0.02
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	25.6
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	78	673	8	109	820	215	34	54	95	293	86	64
Future Volume (veh/h)	78	673	8	109	820	215	34	54	95	293	86	64
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	85	732	9	118	891	234	37	59	103	318	93	70
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	427	1667	685	176	1085	446	79	195	174	465	201	152
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.27	0.47	0.47	0.11	0.31	0.31	0.05	0.11	0.09	0.14	0.20	0.18
Unsig. Movement Delay												
Ln Grp Delay, s/veh	26.3	17.3	13.2	49.2	36.9	14.3	47.3	39.0	43.6	39.7	0.0	33.9
Ln Grp LOS	C	B	B	D	D	B	D	D	D	D	A	C
Approach Vol, veh/h		826			1243			199			481	
Approach Delay, s/veh		18.2			33.9			42.9			37.8	
Approach LOS		B			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	8	7
Case No	2.0	4.0	2.0	3.0	2.0	4.0	3.0	2.0
Phs Duration (G+Y+Rc), s	17.2	14.2	14.0	47.6	8.5	22.9	32.4	29.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	16.0	20.6	8.0	24.4	4.0	32.6	26.4	6.0
Max Allow Headway (MAH), s	4.1	4.2	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	10.6	7.8	8.4	14.8	4.0	9.7	23.6	5.9
Green Ext Time (g_e), s	0.6	0.4	0.0	2.3	0.0	0.5	1.4	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.95	1.00	0.62	1.00	1.00	0.89
Prob of Max Out (p_x)	0.45	0.00	1.00	0.00	1.00	0.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1		3		5			7
Mvmt Sat Flow, veh/h	3281		1641		1641			1575

Through Movement Data								
Assigned Mvmt		2		4		6	8	
Mvmt Sat Flow, veh/h		1777		3554		991	3554	

Right-Turn Movement Data								
Assigned Mvmt		12		14		16	18	
Mvmt Sat Flow, veh/h		1585		1460		746	1460	

Left Lane Group Data								
Assigned Mvmt	1	0	3	0	5	0	0	7
Lane Assignment	L (Prot)		L (Prot)		L (Prot)			L (Prot)

Lanes in Grp	2	0	1	0	1	0	0	1
Grp Vol (v), veh/h	318	0	118	0	37	0	0	85
Grp Sat Flow (s), veh/h/ln	1641	0	1641	0	1641	0	0	1575
Q Serve Time (g_s), s	8.6	0.0	6.4	0.0	2.0	0.0	0.0	3.9
Cycle Q Clear Time (g_c), s	8.6	0.0	6.4	0.0	2.0	0.0	0.0	3.9
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	465	0	176	0	79	0	0	427
V/C Ratio (X)	0.68	0.00	0.67	0.00	0.47	0.00	0.00	0.20
Avail Cap (c_a), veh/h	635	0	176	0	106	0	0	427
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.95
Uniform Delay (d1), s/veh	37.9	0.0	39.9	0.0	43.1	0.0	0.0	26.1
Incr Delay (d2), s/veh	1.8	0.0	9.3	0.0	4.2	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	39.7	0.0	49.2	0.0	47.3	0.0	0.0	26.3
1st-Term Q (Q1), veh/ln	3.2	0.0	2.4	0.0	0.8	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.5	0.0	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.3	0.0	2.9	0.0	0.9	0.0	0.0	1.4
%ile Storage Ratio (RQ%)	0.56	0.00	0.73	0.00	0.32	0.00	0.00	0.11
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	8	0
Lane Assignment		T		T			T	
Lanes in Grp	0	1	0	2	0	0	2	0
Grp Vol (v), veh/h	0	59	0	732	0	0	891	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	1777	0	0	1777	0
Q Serve Time (g_s), s	0.0	2.8	0.0	12.8	0.0	0.0	21.6	0.0
Cycle Q Clear Time (g_c), s	0.0	2.8	0.0	12.8	0.0	0.0	21.6	0.0
Lane Grp Cap (c), veh/h	0	195	0	1667	0	0	1085	0
V/C Ratio (X)	0.00	0.30	0.00	0.44	0.00	0.00	0.82	0.00
Avail Cap (c_a), veh/h	0	432	0	1667	0	0	1085	0
Upstream Filter (I)	0.00	1.00	0.00	0.95	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	38.1	0.0	16.5	0.0	0.0	29.9	0.0
Incr Delay (d2), s/veh	0.0	0.9	0.0	0.8	0.0	0.0	7.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	39.0	0.0	17.3	0.0	0.0	36.9	0.0
1st-Term Q (Q1), veh/ln	0.0	1.2	0.0	4.5	0.0	0.0	8.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	1.1	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.2	0.0	4.7	0.0	0.0	9.3	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.02	0.00	0.00	0.04	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data

Assigned Mvmt	0	12	0	14	0	16	18	0
Lane Assignment		T+R		R		T+R	R	
Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	103	0	9	0	163	234	0
Grp Sat Flow (s), veh/h/ln	0	1585	0	1460	0	1736	1460	0
Q Serve Time (g_s), s	0.0	5.8	0.0	0.3	0.0	7.7	7.5	0.0
Cycle Q Clear Time (g_c), s	0.0	5.8	0.0	0.3	0.0	7.7	7.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	0.00	1.00	0.00	0.43	1.00	0.00
Lane Grp Cap (c), veh/h	0	174	0	685	0	353	446	0
V/C Ratio (X)	0.00	0.59	0.00	0.01	0.00	0.46	0.52	0.00
Avail Cap (c_a), veh/h	0	385	0	685	0	646	446	0
Upstream Filter (I)	0.00	1.00	0.00	0.95	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	40.4	0.0	13.2	0.0	33.0	10.0	0.0
Incr Delay (d2), s/veh	0.0	3.2	0.0	0.0	0.0	0.9	4.4	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	43.6	0.0	13.2	0.0	33.9	14.3	0.0
1st-Term Q (Q1), veh/ln	0.0	2.1	0.0	0.1	0.0	3.0	3.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.1	0.5	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.3	0.0	0.1	0.0	3.1	4.1	0.0
%ile Storage Ratio (RQ%)	0.00	0.02	0.00	0.01	0.00	0.05	0.52	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary

HCM 6th Ctrl Delay	30.5
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	32	40	7	34	51	5	7	82	25	6	77	49
Future Vol, veh/h	32	40	7	34	51	5	7	82	25	6	77	49
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	35	43	8	37	55	5	8	89	27	7	84	53
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.5	8.6	8.3	8.3
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	6%	100%	0%	100%	0%	5%
Vol Thru, %	72%	0%	85%	0%	91%	58%
Vol Right, %	22%	0%	15%	0%	9%	37%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	114	32	47	34	56	132
LT Vol	7	32	0	34	0	6
Through Vol	82	0	40	0	51	77
RT Vol	25	0	7	0	5	49
Lane Flow Rate	124	35	51	37	61	143
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.153	0.056	0.073	0.059	0.087	0.173
Departure Headway (Hd)	4.453	5.745	5.136	5.732	5.165	4.341
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	805	623	697	625	693	826
Service Time	2.48	3.48	2.872	3.467	2.9	2.365
HCM Lane V/C Ratio	0.154	0.056	0.073	0.059	0.088	0.173
HCM Control Delay	8.3	8.8	8.3	8.8	8.4	8.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.2	0.2	0.2	0.3	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	16	29	61	11	16	30	1014	109	19	831	26
Future Volume (veh/h)	15	16	29	61	11	16	30	1014	109	19	831	26
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	16	17	32	66	12	17	33	1102	118	21	903	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	229	180	140	142	239	187	112	1592	654	97	1560	641
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.10	0.10	0.09	0.13	0.13	0.07	0.45	0.45	0.06	0.44	0.44
Unsig. Movement Delay												
Ln Grp Delay, s/veh	23.3	21.5	10.4	24.8	19.8	9.0	24.3	11.9	8.7	24.2	11.2	8.3
Ln Grp LOS	C	C	B	C	B	A	C	B	A	C	B	A
Approach Vol, veh/h		65			95			1253			952	
Approach Delay, s/veh		16.5			21.3			11.9			11.4	
Approach LOS		B			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	5	6	7	8
Case No	3.0	2.0	3.0	2.0	2.0	3.0	1.2	3.0
Phs Duration (G+Y+Rc), s	27.1	7.0	9.0	8.5	7.5	26.6	6.8	10.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	52.5	4.0	30.5	8.0	4.0	52.5	4.0	34.5
Max Allow Headway (MAH), s	4.0	4.1	4.2	4.1	4.1	4.0	4.1	4.2
Max Q Clear (g_c+I1), s	14.8	2.6	2.7	4.0	3.0	11.9	2.5	2.4
Green Ext Time (g_e), s	6.3	0.0	0.1	0.0	0.0	4.5	0.0	0.1
Prob of Phs Call (p_c)	1.00	0.26	0.74	0.61	0.38	1.00	0.20	0.87
Prob of Max Out (p_x)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3	5		7	
Mvmt Sat Flow, veh/h		1641		1641	1641		1641	

Through Movement Data								
Assigned Mvmt	2		4			6		8
Mvmt Sat Flow, veh/h	3554		1870			3554		1870

Right-Turn Movement Data								
Assigned Mvmt	12		14			16		18
Mvmt Sat Flow, veh/h	1460		1460			1460		1460

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	5	0	7	0
Lane Assignment		L (Prot)		L (Prot)	L (Prot)		L (Pr/Pm)	

Lanes in Grp	0	1	0	1	1	0	1	0
Grp Vol (v), veh/h	0	21	0	66	33	0	16	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	1641	0	1641	0
Q Serve Time (g_s), s	0.0	0.6	0.0	2.0	1.0	0.0	0.5	0.0
Cycle Q Clear Time (g_c), s	0.0	0.6	0.0	2.0	1.0	0.0	0.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1272	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	97	0	142	112	0	229	0
V/C Ratio (X)	0.00	0.22	0.00	0.47	0.30	0.00	0.07	0.00
Avail Cap (c_a), veh/h	0	191	0	318	191	0	331	0
Upstream Filter (I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	23.1	0.0	22.4	22.8	0.0	23.1	0.0
Incr Delay (d2), s/veh	0.0	1.1	0.0	2.4	1.5	0.0	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	24.2	0.0	24.8	24.3	0.0	23.3	0.0
1st-Term Q (Q1), veh/ln	0.0	0.2	0.0	0.6	0.3	0.0	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.2	0.0	0.7	0.4	0.0	0.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.06	0.02	0.00	0.04	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	0	6	0	8
Lane Assignment	T		T			T		T
Lanes in Grp	2	0	1	0	0	2	0	1
Grp Vol (v), veh/h	1102	0	17	0	0	903	0	12
Grp Sat Flow (s), veh/h/ln	1777	0	1870	0	0	1777	0	1870
Q Serve Time (g_s), s	12.8	0.0	0.4	0.0	0.0	9.9	0.0	0.3
Cycle Q Clear Time (g_c), s	12.8	0.0	0.4	0.0	0.0	9.9	0.0	0.3
Lane Grp Cap (c), veh/h	1592	0	180	0	0	1560	0	239
V/C Ratio (X)	0.69	0.00	0.09	0.00	0.00	0.58	0.00	0.05
Avail Cap (c_a), veh/h	3757	0	1179	0	0	3757	0	1324
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	11.4	0.0	21.2	0.0	0.0	10.9	0.0	19.7
Incr Delay (d2), s/veh	0.5	0.0	0.2	0.0	0.0	0.3	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	11.9	0.0	21.5	0.0	0.0	11.2	0.0	19.8
1st-Term Q (Q1), veh/ln	3.1	0.0	0.2	0.0	0.0	2.4	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.2	0.0	0.2	0.0	0.0	2.5	0.0	0.1
%ile Storage Ratio (RQ%)	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	0	16	0	18
Lane Assignment	R		R			R		R
Lanes in Grp	1	0	1	0	0	1	0	1
Grp Vol (v), veh/h	118	0	32	0	0	28	0	17
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	0	1460	0	1460
Q Serve Time (g_s), s	2.5	0.0	0.7	0.0	0.0	0.6	0.0	0.4
Cycle Q Clear Time (g_c), s	2.5	0.0	0.7	0.0	0.0	0.6	0.0	0.4
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	654	0	140	0	0	641	0	187
V/C Ratio (X)	0.18	0.00	0.23	0.00	0.00	0.04	0.00	0.09
Avail Cap (c_a), veh/h	1543	0	920	0	0	1543	0	1034
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	8.5	0.0	9.6	0.0	0.0	8.3	0.0	8.8
Incr Delay (d2), s/veh	0.1	0.0	0.8	0.0	0.0	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	8.7	0.0	10.4	0.0	0.0	8.3	0.0	9.0
1st-Term Q (Q1), veh/ln	0.5	0.0	0.3	0.0	0.0	0.1	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.5	0.0	0.3	0.0	0.0	0.1	0.0	0.2
%ile Storage Ratio (RQ%)	0.04	0.00	0.32	0.00	0.00	0.01	0.00	0.16
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	12.2
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	7.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	17	61	52	45	36	3	26	8	36	4	15	15
Future Vol, veh/h	17	61	52	45	36	3	26	8	36	4	15	15
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	18	66	57	49	39	3	28	9	39	4	16	16
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	7.9	8.2	7.7	7.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	22%	0%	100%	0%	12%
Vol Thru, %	11%	78%	0%	0%	92%	44%
Vol Right, %	51%	0%	100%	0%	8%	44%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	70	78	52	45	39	34
LT Vol	26	17	0	45	0	4
Through Vol	8	61	0	0	36	15
RT Vol	36	0	52	0	3	15
Lane Flow Rate	76	85	57	49	42	37
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.091	0.115	0.064	0.074	0.057	0.044
Departure Headway (Hd)	4.292	4.993	4.081	5.417	4.861	4.33
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	838	722	862	665	741	830
Service Time	2.3	2.693	1.881	3.117	2.561	2.339
HCM Lane V/C Ratio	0.091	0.118	0.066	0.074	0.057	0.045
HCM Control Delay	7.7	8.3	7.2	8.5	7.9	7.5
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.3	0.4	0.2	0.2	0.2	0.1

Intersection	
Int Delay, s/veh	7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	89	14	12	2	1	93
Future Vol, veh/h	89	14	12	2	1	93
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	50	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	97	15	13	2	1	101

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	15	0	-	0	223	14
Stage 1	-	-	-	-	14	-
Stage 2	-	-	-	-	209	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1603	-	-	-	765	1066
Stage 1	-	-	-	-	1009	-
Stage 2	-	-	-	-	826	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1603	-	-	-	718	1066
Mov Cap-2 Maneuver	-	-	-	-	718	-
Stage 1	-	-	-	-	947	-
Stage 2	-	-	-	-	826	-

Approach	EB	WB	SB
HCM Control Delay, s	6.4	0	8.8
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1603	-	-	-	1061
HCM Lane V/C Ratio	0.06	-	-	-	0.096
HCM Control Delay (s)	7.4	-	-	-	8.8
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.2	-	-	-	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	499	10	137	563	145	15	35	107	119	52	31
Future Volume (veh/h)	48	499	10	137	563	145	15	35	107	119	52	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	52	542	11	149	612	158	16	38	116	129	57	34
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	99	986	405	511	1479	381	269	230	179	190	140	109
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.28	0.28	0.31	0.53	0.51	0.16	0.12	0.12	0.12	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	46.7	30.9	24.6	24.4	14.1	14.5	32.9	36.9	42.7	44.3	43.0	27.4
Ln Grp LOS	D	C	C	C	B	B	C	D	D	D	D	C
Approach Vol, veh/h		605			919			170			220	
Approach Delay, s/veh		32.1			15.9			40.5			41.3	
Approach LOS		C			B			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	7	8
Case No	3.0	2.0	3.0	2.0	3.0	2.0	2.0	4.0
Phs Duration (G+Y+Rc), s	15.4	14.8	29.8	33.0	11.0	19.3	9.6	53.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	22.2	12.0	23.8	11.0	30.2	4.0	5.0	29.8
Max Allow Headway (MAH), s	4.3	4.1	4.0	4.1	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	9.0	9.0	14.1	8.4	4.7	2.8	4.9	14.5
Green Ext Time (g_e), s	0.4	0.1	1.7	0.1	0.3	0.0	0.0	2.6
Prob of Phs Call (p_c)	1.00	0.96	1.00	0.98	1.00	0.34	0.74	1.00
Prob of Max Out (p_x)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5	7	
Mvmt Sat Flow, veh/h		1641		1641		1641	1641	

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2797

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		721

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	7	0
Lane Assignment			L (Prot)		L (Prot)		L (Prot)	L (Prot)	

Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	129	0	149	0	16	52	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	1641	0
Q Serve Time (g_s), s	0.0	7.0	0.0	6.4	0.0	0.8	2.9	0.0
Cycle Q Clear Time (g_c), s	0.0	7.0	0.0	6.4	0.0	0.8	2.9	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	190	0	511	0	269	99	0
V/C Ratio (X)	0.00	0.68	0.00	0.29	0.00	0.06	0.53	0.00
Avail Cap (c_a), veh/h	0	247	0	511	0	269	123	0
Upstream Filter (I)	0.00	1.00	0.00	0.70	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.4	0.0	24.2	0.0	32.8	42.4	0.0
Incr Delay (d2), s/veh	0.0	4.8	0.0	0.2	0.0	0.1	4.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	44.3	0.0	24.4	0.0	32.9	46.7	0.0
1st-Term Q (Q1), veh/ln	0.0	2.6	0.0	2.3	0.0	0.3	1.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	2.3	0.0	0.3	1.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.73	0.00	0.29	0.00	0.05	0.20	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	4	0	6	0	0	8
Lane Assignment	T		T		T			T
Lanes in Grp	1	0	2	0	1	0	0	1
Grp Vol (v), veh/h	38	0	542	0	57	0	0	388
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	0	1777
Q Serve Time (g_s), s	1.7	0.0	12.1	0.0	2.7	0.0	0.0	12.3
Cycle Q Clear Time (g_c), s	1.7	0.0	12.1	0.0	2.7	0.0	0.0	12.3
Lane Grp Cap (c), veh/h	230	0	986	0	140	0	0	940
V/C Ratio (X)	0.17	0.00	0.55	0.00	0.41	0.00	0.00	0.41
Avail Cap (c_a), veh/h	487	0	986	0	648	0	0	940
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.70
Uniform Delay (d1), s/veh	36.5	0.0	28.6	0.0	41.1	0.0	0.0	13.2
Incr Delay (d2), s/veh	0.3	0.0	2.2	0.0	1.9	0.0	0.0	0.9
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	36.9	0.0	30.9	0.0	43.0	0.0	0.0	14.1
1st-Term Q (Q1), veh/ln	0.7	0.0	4.7	0.0	1.2	0.0	0.0	4.1
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.2

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	0.0	5.0	0.0	1.2	0.0	0.0	4.3
%ile Storage Ratio (RQ%)	0.01	0.00	0.05	0.00	0.02	0.00	0.00	0.02
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	0	18
Lane Assignment	R		R		R			T+R
Lanes in Grp	1	0	1	0	1	0	0	1
Grp Vol (v), veh/h	116	0	11	0	34	0	0	382
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	0	1741
Q Serve Time (g_s), s	7.0	0.0	0.5	0.0	1.6	0.0	0.0	12.5
Cycle Q Clear Time (g_c), s	7.0	0.0	0.5	0.0	1.6	0.0	0.0	12.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.41
Lane Grp Cap (c), veh/h	179	0	405	0	109	0	0	921
V/C Ratio (X)	0.65	0.00	0.03	0.00	0.31	0.00	0.00	0.41
Avail Cap (c_a), veh/h	380	0	405	0	505	0	0	921
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.70
Uniform Delay (d1), s/veh	38.9	0.0	24.5	0.0	25.8	0.0	0.0	13.5
Incr Delay (d2), s/veh	3.9	0.0	0.1	0.0	1.6	0.0	0.0	1.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	42.7	0.0	24.6	0.0	27.4	0.0	0.0	14.5
1st-Term Q (Q1), veh/ln	2.3	0.0	0.2	0.0	0.7	0.0	0.0	4.1
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.5	0.0	0.2	0.0	0.7	0.0	0.0	4.3
%ile Storage Ratio (RQ%)	0.43	0.00	0.00	0.00	0.19	0.00	0.00	0.02
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	26.2
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	84	685	9	111	842	215	36	54	95	293	86	75
Future Volume (veh/h)	84	685	9	111	842	215	36	54	95	293	86	75
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	91	745	10	121	915	234	39	59	103	318	93	82
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	427	1667	685	176	1085	446	82	195	174	465	185	163
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.27	0.47	0.47	0.11	0.31	0.31	0.05	0.11	0.09	0.14	0.20	0.18
Unsig. Movement Delay												
Ln Grp Delay, s/veh	26.5	17.4	13.2	50.5	38.2	14.3	47.3	39.0	43.6	39.7	0.0	34.6
Ln Grp LOS	C	B	B	D	D	B	D	D	D	D	A	C
Approach Vol, veh/h		846			1270			201			493	
Approach Delay, s/veh		18.3			35.0			42.9			37.9	
Approach LOS		B			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	8	7
Case No	2.0	4.0	2.0	3.0	2.0	4.0	3.0	2.0
Phs Duration (G+Y+Rc), s	17.2	14.2	14.0	47.6	8.6	22.8	32.4	29.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	16.0	20.6	8.0	24.4	4.0	32.6	26.4	6.0
Max Allow Headway (MAH), s	4.1	4.2	4.1	4.0	4.1	4.2	4.1	4.1
Max Q Clear (g_c+I1), s	10.6	7.8	8.6	15.1	4.2	10.4	24.4	6.2
Green Ext Time (g_e), s	0.6	0.4	0.0	2.3	0.0	0.6	1.1	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.96	1.00	0.63	1.00	1.00	0.90
Prob of Max Out (p_x)	0.45	0.00	1.00	0.00	1.00	0.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1		3		5			7
Mvmt Sat Flow, veh/h	3281		1641		1641			1575

Through Movement Data								
Assigned Mvmt		2		4		6	8	
Mvmt Sat Flow, veh/h		1777		3554		917	3554	

Right-Turn Movement Data								
Assigned Mvmt		12		14		16	18	
Mvmt Sat Flow, veh/h		1585		1460		808	1460	

Left Lane Group Data								
Assigned Mvmt	1	0	3	0	5	0	0	7
Lane Assignment	L (Prot)		L (Prot)		L (Prot)			L (Prot)

Lanes in Grp	2	0	1	0	1	0	0	1
Grp Vol (v), veh/h	318	0	121	0	39	0	0	91
Grp Sat Flow (s), veh/h/ln	1641	0	1641	0	1641	0	0	1575
Q Serve Time (g_s), s	8.6	0.0	6.6	0.0	2.2	0.0	0.0	4.2
Cycle Q Clear Time (g_c), s	8.6	0.0	6.6	0.0	2.2	0.0	0.0	4.2
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	465	0	176	0	82	0	0	427
V/C Ratio (X)	0.68	0.00	0.69	0.00	0.48	0.00	0.00	0.21
Avail Cap (c_a), veh/h	635	0	176	0	106	0	0	427
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.94
Uniform Delay (d1), s/veh	37.9	0.0	40.0	0.0	43.0	0.0	0.0	26.2
Incr Delay (d2), s/veh	1.8	0.0	10.5	0.0	4.3	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	39.7	0.0	50.5	0.0	47.3	0.0	0.0	26.5
1st-Term Q (Q1), veh/ln	3.2	0.0	2.5	0.0	0.8	0.0	0.0	1.4
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.5	0.0	0.1	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.3	0.0	3.0	0.0	0.9	0.0	0.0	1.5
%ile Storage Ratio (RQ%)	0.56	0.00	0.76	0.00	0.33	0.00	0.00	0.12
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	8	0
Lane Assignment		T		T			T	
Lanes in Grp	0	1	0	2	0	0	2	0
Grp Vol (v), veh/h	0	59	0	745	0	0	915	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	1777	0	0	1777	0
Q Serve Time (g_s), s	0.0	2.8	0.0	13.1	0.0	0.0	22.4	0.0
Cycle Q Clear Time (g_c), s	0.0	2.8	0.0	13.1	0.0	0.0	22.4	0.0
Lane Grp Cap (c), veh/h	0	195	0	1667	0	0	1085	0
V/C Ratio (X)	0.00	0.30	0.00	0.45	0.00	0.00	0.84	0.00
Avail Cap (c_a), veh/h	0	432	0	1667	0	0	1085	0
Upstream Filter (I)	0.00	1.00	0.00	0.94	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	38.1	0.0	16.6	0.0	0.0	30.2	0.0
Incr Delay (d2), s/veh	0.0	0.9	0.0	0.8	0.0	0.0	8.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	39.0	0.0	17.4	0.0	0.0	38.2	0.0
1st-Term Q (Q1), veh/ln	0.0	1.2	0.0	4.6	0.0	0.0	8.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	1.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.2	0.0	4.8	0.0	0.0	9.8	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.02	0.00	0.00	0.04	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data

Assigned Mvmt	0	12	0	14	0	16	18	0
Lane Assignment		T+R		R		T+R	R	
Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	103	0	10	0	175	234	0
Grp Sat Flow (s), veh/h/ln	0	1585	0	1460	0	1725	1460	0
Q Serve Time (g_s), s	0.0	5.8	0.0	0.3	0.0	8.4	7.5	0.0
Cycle Q Clear Time (g_c), s	0.0	5.8	0.0	0.3	0.0	8.4	7.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	0.00	1.00	0.00	0.47	1.00	0.00
Lane Grp Cap (c), veh/h	0	174	0	685	0	348	446	0
V/C Ratio (X)	0.00	0.59	0.00	0.01	0.00	0.50	0.52	0.00
Avail Cap (c_a), veh/h	0	385	0	685	0	642	446	0
Upstream Filter (I)	0.00	1.00	0.00	0.94	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	40.4	0.0	13.2	0.0	33.4	10.0	0.0
Incr Delay (d2), s/veh	0.0	3.2	0.0	0.0	0.0	1.1	4.4	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	43.6	0.0	13.2	0.0	34.6	14.3	0.0
1st-Term Q (Q1), veh/ln	0.0	2.1	0.0	0.1	0.0	3.3	3.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.1	0.5	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.3	0.0	0.1	0.0	3.4	4.1	0.0
%ile Storage Ratio (RQ%)	0.00	0.02	0.00	0.01	0.00	0.05	0.52	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary

HCM 6th Ctrl Delay	31.1
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	32	40	13	40	51	5	11	109	29	6	124	49
Future Vol, veh/h	32	40	13	40	51	5	11	109	29	6	124	49
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	35	43	14	43	55	5	12	118	32	7	135	53
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.8	8.9	8.8	9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	7%	100%	0%	100%	0%	3%
Vol Thru, %	73%	0%	75%	0%	91%	69%
Vol Right, %	19%	0%	25%	0%	9%	27%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	149	32	53	40	56	179
LT Vol	11	32	0	40	0	6
Through Vol	109	0	40	0	51	124
RT Vol	29	0	13	0	5	49
Lane Flow Rate	162	35	58	43	61	195
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.206	0.058	0.085	0.072	0.091	0.243
Departure Headway (Hd)	4.582	5.98	5.302	5.963	5.395	4.492
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	781	597	673	599	661	798
Service Time	2.622	3.737	3.059	3.72	3.152	2.529
HCM Lane V/C Ratio	0.207	0.059	0.086	0.072	0.092	0.244
HCM Control Delay	8.8	9.1	8.6	9.2	8.7	9
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.8	0.2	0.3	0.2	0.3	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	21	29	85	14	40	30	1014	149	59	831	26
Future Volume (veh/h)	15	21	29	85	14	40	30	1014	149	59	831	26
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	16	23	32	92	15	43	33	1102	162	64	903	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	210	180	141	170	279	218	104	1556	639	133	1619	665
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.10	0.10	0.10	0.15	0.15	0.06	0.44	0.44	0.08	0.46	0.46
Unsig. Movement Delay												
Ln Grp Delay, s/veh	25.5	23.9	12.3	26.9	20.9	9.6	27.2	13.6	10.3	27.7	11.6	8.6
Ln Grp LOS	C	C	B	C	C	A	C	B	B	C	B	A
Approach Vol, veh/h		71			150			1297			995	
Approach Delay, s/veh		19.0			21.3			13.6			12.6	
Approach LOS		B			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	5	6	7	8
Case No	3.0	2.0	3.0	2.0	2.0	3.0	1.2	3.0
Phs Duration (G+Y+Rc), s	28.9	8.6	9.5	9.9	7.6	29.9	6.9	12.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	52.5	4.0	30.5	8.0	4.0	52.5	4.0	34.5
Max Allow Headway (MAH), s	4.0	4.1	4.2	4.1	4.1	4.0	4.1	4.2
Max Q Clear (g_c+I1), s	16.4	4.1	2.8	5.0	3.1	12.6	2.5	3.0
Green Ext Time (g_e), s	6.5	0.0	0.1	0.1	0.0	4.5	0.0	0.2
Prob of Phs Call (p_c)	1.00	0.64	0.87	0.77	0.41	1.00	0.22	0.96
Prob of Max Out (p_x)	0.01	1.00	0.00	1.00	1.00	0.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3	5		7	
Mvmt Sat Flow, veh/h		1641		1641	1641		1641	

Through Movement Data								
Assigned Mvmt	2		4			6		8
Mvmt Sat Flow, veh/h	3554		1870			3554		1870

Right-Turn Movement Data								
Assigned Mvmt	12		14			16		18
Mvmt Sat Flow, veh/h	1460		1460			1460		1460

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	5	0	7	0
Lane Assignment		L (Prot)		L (Prot)	L (Prot)		L (Pr/Pm)	

Lanes in Grp	0	1	0	1	1	0	1	0
Grp Vol (v), veh/h	0	64	0	92	33	0	16	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	1641	0	1641	0
Q Serve Time (g_s), s	0.0	2.1	0.0	3.0	1.1	0.0	0.5	0.0
Cycle Q Clear Time (g_c), s	0.0	2.1	0.0	3.0	1.1	0.0	0.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1239	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	133	0	170	104	0	210	0
V/C Ratio (X)	0.00	0.48	0.00	0.54	0.32	0.00	0.08	0.00
Avail Cap (c_a), veh/h	0	173	0	288	173	0	299	0
Upstream Filter (I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	25.0	0.0	24.2	25.5	0.0	25.3	0.0
Incr Delay (d2), s/veh	0.0	2.7	0.0	2.7	1.7	0.0	0.2	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	27.7	0.0	26.9	27.2	0.0	25.5	0.0
1st-Term Q (Q1), veh/ln	0.0	0.7	0.0	1.0	0.4	0.0	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.8	0.0	1.1	0.4	0.0	0.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.05	0.00	0.09	0.03	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	0	6	0	8
Lane Assignment	T		T			T		T
Lanes in Grp	2	0	1	0	0	2	0	1
Grp Vol (v), veh/h	1102	0	23	0	0	903	0	15
Grp Sat Flow (s), veh/h/ln	1777	0	1870	0	0	1777	0	1870
Q Serve Time (g_s), s	14.4	0.0	0.6	0.0	0.0	10.6	0.0	0.4
Cycle Q Clear Time (g_c), s	14.4	0.0	0.6	0.0	0.0	10.6	0.0	0.4
Lane Grp Cap (c), veh/h	1556	0	180	0	0	1619	0	279
V/C Ratio (X)	0.71	0.00	0.13	0.00	0.00	0.56	0.00	0.05
Avail Cap (c_a), veh/h	3402	0	1068	0	0	3402	0	1199
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	13.0	0.0	23.5	0.0	0.0	11.3	0.0	20.8
Incr Delay (d2), s/veh	0.6	0.0	0.3	0.0	0.0	0.3	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	13.6	0.0	23.9	0.0	0.0	11.6	0.0	20.9
1st-Term Q (Q1), veh/ln	3.9	0.0	0.2	0.0	0.0	2.8	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.0	0.0	0.3	0.0	0.0	2.9	0.0	0.1
%ile Storage Ratio (RQ%)	0.08	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	14	0	0	16	0	18
Lane Assignment	R		R			R		R
Lanes in Grp	1	0	1	0	0	1	0	1
Grp Vol (v), veh/h	162	0	32	0	0	28	0	43
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	0	1460	0	1460
Q Serve Time (g_s), s	4.0	0.0	0.8	0.0	0.0	0.6	0.0	1.0
Cycle Q Clear Time (g_c), s	4.0	0.0	0.8	0.0	0.0	0.6	0.0	1.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	639	0	141	0	0	665	0	218
V/C Ratio (X)	0.25	0.00	0.23	0.00	0.00	0.04	0.00	0.20
Avail Cap (c_a), veh/h	1397	0	833	0	0	1397	0	936
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	10.1	0.0	11.5	0.0	0.0	8.6	0.0	9.2
Incr Delay (d2), s/veh	0.2	0.0	0.8	0.0	0.0	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	10.3	0.0	12.3	0.0	0.0	8.6	0.0	9.6
1st-Term Q (Q1), veh/ln	0.9	0.0	0.3	0.0	0.0	0.1	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.9	0.0	0.4	0.0	0.0	0.1	0.0	0.4
%ile Storage Ratio (RQ%)	0.08	0.00	0.37	0.00	0.00	0.01	0.00	0.45
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intersection Summary								
HCM 6th Ctrl Delay		13.8						
HCM 6th LOS		B						

Intersection	
Intersection Delay, s/veh	8.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	17	144	54	45	86	4	27	8	38	6	15	15
Future Vol, veh/h	17	144	54	45	86	4	27	8	38	6	15	15
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	18	157	59	49	93	4	29	9	41	7	16	16
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.8	8.6	8.2	8
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	11%	0%	100%	0%	17%
Vol Thru, %	11%	89%	0%	0%	96%	42%
Vol Right, %	52%	0%	100%	0%	4%	42%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	73	161	54	45	90	36
LT Vol	27	17	0	45	0	6
Through Vol	8	144	0	0	86	15
RT Vol	38	0	54	0	4	15
Lane Flow Rate	79	175	59	49	98	39
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.102	0.243	0.069	0.075	0.135	0.051
Departure Headway (Hd)	4.637	5.004	4.248	5.518	4.985	4.712
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	774	719	844	650	720	760
Service Time	2.661	2.726	1.97	3.243	2.709	2.74
HCM Lane V/C Ratio	0.102	0.243	0.07	0.075	0.136	0.051
HCM Control Delay	8.2	9.3	7.3	8.7	8.5	8
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.3	0.9	0.2	0.2	0.5	0.2

Intersection	
Int Delay, s/veh	7.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	98	14	0	0	12	2	0	0	0	1	0	108
Future Vol, veh/h	98	14	0	0	12	2	0	0	0	1	0	108
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	107	15	0	0	13	2	0	0	0	1	0	117

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	15	0	0	15	0	0	302	244	15	243	243	14
Stage 1	-	-	-	-	-	-	229	229	-	14	14	-
Stage 2	-	-	-	-	-	-	73	15	-	229	229	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1603	-	-	1603	-	-	650	658	1065	711	659	1066
Stage 1	-	-	-	-	-	-	774	715	-	1006	884	-
Stage 2	-	-	-	-	-	-	937	883	-	774	715	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1603	-	-	1603	-	-	549	614	1065	675	615	1066
Mov Cap-2 Maneuver	-	-	-	-	-	-	549	614	-	675	615	-
Stage 1	-	-	-	-	-	-	722	667	-	939	884	-
Stage 2	-	-	-	-	-	-	834	883	-	722	667	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6.5	0	0	8.8
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1603	-	-	1603	-	-	1060
HCM Lane V/C Ratio	-	0.066	-	-	-	-	-	0.112
HCM Control Delay (s)	0	7.4	-	-	0	-	-	8.8
HCM Lane LOS	A	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0.2	-	-	0	-	-	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	62	645	10	129	728	187	18	41	114	154	58	40
Future Volume (veh/h)	62	645	10	129	728	187	18	41	114	154	58	40
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	67	701	11	140	791	203	20	45	124	167	63	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	246	1333	547	396	1306	335	298	220	171	218	128	100
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.15	0.38	0.38	0.24	0.47	0.45	0.18	0.12	0.12	0.13	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	45.8	30.7	23.7	38.0	25.7	26.1	40.8	48.3	57.1	60.0	56.8	56.6
Ln Grp LOS	D	C	C	D	C	C	D	D	E	E	E	E
Approach Vol, veh/h		779			1134			189			273	
Approach Delay, s/veh		31.9			27.4			53.3			58.7	
Approach LOS		C			C			D			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	18.1	19.9	49.0	33.0	12.2	25.8	60.0	22.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	11.8	13.8	20.4	10.5	5.9	3.2	27.4	6.3
Green Ext Time (g_e), s	0.3	0.2	3.0	0.2	0.3	0.0	4.1	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.99	1.00	0.49	1.00	0.89
Prob of Max Out (p_x)	0.24	0.91	0.00	0.13	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		1641		1641		1641		1641

Through Movement Data				
Assigned Mvmt	2	4	6	8
Mvmt Sat Flow, veh/h	1870	3554	1870	2799

Right-Turn Movement Data				
Assigned Mvmt	12	14	16	18
Mvmt Sat Flow, veh/h	1460	1460	1460	718

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	0	5	0	7
Lane Assignment		L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	167	0	140	0	20	0	67
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1641
Q Serve Time (g_s), s	0.0	11.8	0.0	8.5	0.0	1.2	0.0	4.3
Cycle Q Clear Time (g_c), s	0.0	11.8	0.0	8.5	0.0	1.2	0.0	4.3
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	218	0	396	0	298	0	246
V/C Ratio (X)	0.00	0.77	0.00	0.35	0.00	0.07	0.00	0.27
Avail Cap (c_a), veh/h	0	273	0	396	0	298	0	246
Upstream Filter (I)	0.00	1.00	0.00	0.57	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	50.2	0.0	37.7	0.0	40.7	0.0	45.2
Incr Delay (d2), s/veh	0.0	9.7	0.0	0.3	0.0	0.1	0.0	0.6
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	60.0	0.0	38.0	0.0	40.8	0.0	45.8
1st-Term Q (Q1), veh/ln	0.0	4.6	0.0	3.3	0.0	0.5	0.0	1.7
2nd-Term Q (Q2), veh/ln	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	5.2	0.0	3.3	0.0	0.5	0.0	1.7
%ile Storage Ratio (RQ%)	0.00	1.32	0.00	0.42	0.00	0.08	0.00	0.29
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	45	0	701	0	63	0	502	0
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	1777	0
Q Serve Time (g_s), s	2.6	0.0	18.4	0.0	3.9	0.0	25.2	0.0
Cycle Q Clear Time (g_c), s	2.6	0.0	18.4	0.0	3.9	0.0	25.2	0.0
Lane Grp Cap (c), veh/h	220	0	1333	0	128	0	829	0
V/C Ratio (X)	0.20	0.00	0.53	0.00	0.49	0.00	0.61	0.00
Avail Cap (c_a), veh/h	312	0	1333	0	530	0	829	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.57	0.00
Uniform Delay (d1), s/veh	47.9	0.0	29.2	0.0	53.9	0.0	23.8	0.0
Incr Delay (d2), s/veh	0.5	0.0	1.5	0.0	2.9	0.0	1.9	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	48.3	0.0	30.7	0.0	56.8	0.0	25.7	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	7.3	0.0	1.8	0.0	9.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.1	0.0	0.4	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.2	0.0	7.6	0.0	1.9	0.0	10.1	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.07	0.00	0.03	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	124	0	11	0	43	0	492	0
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	1741	0
Q Serve Time (g_s), s	9.8	0.0	0.6	0.0	3.4	0.0	25.4	0.0
Cycle Q Clear Time (g_c), s	9.8	0.0	0.6	0.0	3.4	0.0	25.4	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.41	0.00
Lane Grp Cap (c), veh/h	171	0	547	0	100	0	812	0
V/C Ratio (X)	0.72	0.00	0.02	0.00	0.43	0.00	0.61	0.00
Avail Cap (c_a), veh/h	243	0	547	0	414	0	812	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.57	0.00
Uniform Delay (d1), s/veh	51.1	0.0	23.6	0.0	53.7	0.0	24.1	0.0
Incr Delay (d2), s/veh	6.0	0.0	0.1	0.0	2.9	0.0	1.9	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	57.1	0.0	23.7	0.0	56.6	0.0	26.1	0.0
1st-Term Q (Q1), veh/ln	3.4	0.0	0.2	0.0	1.2	0.0	9.6	0.0
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.0	0.1	0.0	0.4	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	3.7	0.0	0.2	0.0	1.3	0.0	10.0	0.0
%ile Storage Ratio (RQ%)	0.63	0.00	0.00	0.00	0.32	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.5
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	101	870	10	141	1060	278	44	70	123	379	111	83
Future Volume (veh/h)	101	870	10	141	1060	278	44	70	123	379	111	83
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	110	946	11	153	1152	302	48	76	134	412	121	90
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	156	1658	681	202	1743	716	200	210	187	522	155	115
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.10	0.47	0.47	0.12	0.49	0.49	0.12	0.12	0.10	0.16	0.16	0.14
Unsig. Movement Delay												
Ln Grp Delay, s/veh	62.5	24.6	5.9	65.7	25.0	6.6	48.3	49.8	57.2	54.6	0.0	54.0
Ln Grp LOS	E	C	A	E	C	A	D	D	E	D	A	D
Approach Vol, veh/h		1067			1607			258			623	
Approach Delay, s/veh		28.3			25.4			53.4			54.4	
Approach LOS		C			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	18.2	23.1	18.8	60.0	22.7	18.6	15.9	62.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	20.0	13.0	45.0	34.0	4.0	11.0	47.0
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	11.8	16.5	12.8	25.2	16.0	5.2	10.1	31.3
Green Ext Time (g_e), s	0.4	0.6	0.0	4.2	0.6	0.0	0.0	6.1
Prob of Phs Call (p_c)	1.00	1.00	0.99	1.00	1.00	0.80	0.97	1.00
Prob of Max Out (p_x)	0.27	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		3281	1641			1641	1575	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	1777			3554	996			3554

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1585			1460	741			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	412	153	0	0	48	110	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1575	0
Q Serve Time (g_s), s	0.0	14.5	10.8	0.0	0.0	3.2	8.1	0.0
Cycle Q Clear Time (g_c), s	0.0	14.5	10.8	0.0	0.0	3.2	8.1	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	522	202	0	0	200	156	0
V/C Ratio (X)	0.00	0.79	0.76	0.00	0.00	0.24	0.71	0.00
Avail Cap (c_a), veh/h	0	602	205	0	0	200	171	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.89	0.00
Uniform Delay (d1), s/veh	0.0	48.5	50.9	0.0	0.0	47.7	52.4	0.0
Incr Delay (d2), s/veh	0.0	6.1	14.8	0.0	0.0	0.6	10.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	54.6	65.7	0.0	0.0	48.3	62.5	0.0
1st-Term Q (Q1), veh/ln	0.0	5.7	4.3	0.0	0.0	1.3	3.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.4	0.8	0.0	0.0	0.0	0.4	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	6.1	5.1	0.0	0.0	1.3	3.5	0.0
%ile Storage Ratio (RQ%)	0.00	1.03	1.29	0.00	0.00	0.47	0.30	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	76	0	0	946	0	0	0	1152
Grp Sat Flow (s), veh/h/ln	1777	0	0	1777	0	0	0	1777
Q Serve Time (g_s), s	4.7	0.0	0.0	23.2	0.0	0.0	0.0	29.3
Cycle Q Clear Time (g_c), s	4.7	0.0	0.0	23.2	0.0	0.0	0.0	29.3
Lane Grp Cap (c), veh/h	210	0	0	1658	0	0	0	1743
V/C Ratio (X)	0.36	0.00	0.00	0.57	0.00	0.00	0.00	0.66
Avail Cap (c_a), veh/h	296	0	0	1658	0	0	0	1743
Upstream Filter (I)	1.00	0.00	0.00	0.89	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	48.7	0.0	0.0	23.3	0.0	0.0	0.0	23.1
Incr Delay (d2), s/veh	1.0	0.0	0.0	1.3	0.0	0.0	0.0	2.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	49.8	0.0	0.0	24.6	0.0	0.0	0.0	25.0
1st-Term Q (Q1), veh/ln	2.0	0.0	0.0	8.9	0.0	0.0	0.0	11.1
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.5

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.1	0.0	0.0	9.2	0.0	0.0	0.0	11.6
%ile Storage Ratio (RQ%)	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.05
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	134	0	0	11	211	0	0	302
Grp Sat Flow (s), veh/h/ln	1585	0	0	1460	1737	0	0	1460
Q Serve Time (g_s), s	9.8	0.0	0.0	0.3	14.0	0.0	0.0	7.8
Cycle Q Clear Time (g_c), s	9.8	0.0	0.0	0.3	14.0	0.0	0.0	7.8
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.43	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	187	0	0	681	270	0	0	716
V/C Ratio (X)	0.72	0.00	0.00	0.02	0.78	0.00	0.00	0.42
Avail Cap (c_a), veh/h	264	0	0	681	521	0	0	716
Upstream Filter (I)	1.00	0.00	0.00	0.89	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	52.0	0.0	0.0	5.9	49.1	0.0	0.0	4.7
Incr Delay (d2), s/veh	5.3	0.0	0.0	0.0	4.9	0.0	0.0	1.8
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	57.2	0.0	0.0	5.9	54.0	0.0	0.0	6.6
1st-Term Q (Q1), veh/ln	3.8	0.0	0.0	0.2	5.9	0.0	0.0	4.3
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.1	0.0	0.0	0.2	6.2	0.0	0.0	4.6
%ile Storage Ratio (RQ%)	0.04	0.00	0.00	0.01	0.09	0.00	0.00	0.59
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	33.4
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	41	52	9	44	66	6	9	106	32	8	100	63
Future Vol, veh/h	41	52	9	44	66	6	9	106	32	8	100	63
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	45	57	10	48	72	7	10	115	35	9	109	68
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.9	9	8.9	9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	6%	100%	0%	100%	0%	5%
Vol Thru, %	72%	0%	85%	0%	92%	58%
Vol Right, %	22%	0%	15%	0%	8%	37%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	147	41	61	44	72	171
LT Vol	9	41	0	44	0	8
Through Vol	106	0	52	0	66	100
RT Vol	32	0	9	0	6	63
Lane Flow Rate	160	45	66	48	78	186
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.207	0.074	0.099	0.079	0.117	0.235
Departure Headway (Hd)	4.666	5.986	5.377	5.966	5.403	4.546
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	767	595	662	597	660	788
Service Time	2.711	3.752	3.142	3.732	3.168	2.588
HCM Lane V/C Ratio	0.209	0.076	0.1	0.08	0.118	0.236
HCM Control Delay	8.9	9.2	8.7	9.2	8.9	9
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.8	0.2	0.3	0.3	0.4	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	21	37	79	14	21	39	1311	141	25	1075	34
Future Volume (veh/h)	19	21	37	79	14	21	39	1311	141	25	1075	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	21	23	40	86	15	23	42	1425	153	27	1168	37
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	299	159	124	155	242	189	232	1854	762	89	1545	635
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.09	0.09	0.09	0.13	0.13	0.14	0.52	0.52	0.05	0.43	0.43
Unsig. Movement Delay												
Ln Grp Delay, s/veh	24.9	28.1	13.2	31.4	25.1	13.6	25.1	13.2	1.6	31.6	16.3	3.7
Ln Grp LOS	C	C	B	C	C	B	C	B	A	C	B	A
Approach Vol, veh/h		84			124			1620			1232	
Approach Delay, s/veh		20.2			27.3			12.4			16.3	
Approach LOS		C			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	38.1	7.6	10.2	9.6	32.4	13.2	7.3	12.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.2
Max Q Clear (g_c+l1), s	22.9	3.0	5.3	3.1	20.1	3.5	2.7	2.7
Green Ext Time (g_e), s	9.2	0.0	0.0	0.2	6.3	0.0	0.0	0.1
Prob of Phs Call (p_c)	1.00	0.39	0.79	0.89	1.00	0.53	0.32	0.97
Prob of Max Out (p_x)	0.04	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	27	86	0	0	42	21	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	1.0	3.3	0.0	0.0	1.5	0.7	0.0
Cycle Q Clear Time (g_c), s	0.0	1.0	3.3	0.0	0.0	1.5	0.7	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1262	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	89	155	0	0	232	299	0
V/C Ratio (X)	0.00	0.30	0.56	0.00	0.00	0.18	0.07	0.00
Avail Cap (c_a), veh/h	0	151	176	0	0	232	368	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	29.7	28.3	0.0	0.0	24.7	24.8	0.0
Incr Delay (d2), s/veh	0.0	1.9	3.1	0.0	0.0	0.4	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	31.6	31.4	0.0	0.0	25.1	24.9	0.0
1st-Term Q (Q1), veh/ln	0.0	0.4	1.1	0.0	0.0	0.5	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.4	1.3	0.0	0.0	0.5	0.3	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.11	0.00	0.00	0.03	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	1425	0	0	23	1168	0	0	15
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	20.9	0.0	0.0	0.7	18.1	0.0	0.0	0.5
Cycle Q Clear Time (g_c), s	20.9	0.0	0.0	0.7	18.1	0.0	0.0	0.5
Lane Grp Cap (c), veh/h	1854	0	0	159	1545	0	0	242
V/C Ratio (X)	0.77	0.00	0.00	0.14	0.76	0.00	0.00	0.06
Avail Cap (c_a), veh/h	3179	0	0	929	3179	0	0	958
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	12.5	0.0	0.0	27.7	15.6	0.0	0.0	25.0
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.4	0.8	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	13.2	0.0	0.0	28.1	16.3	0.0	0.0	25.1
1st-Term Q (Q1), veh/ln	5.6	0.0	0.0	0.3	5.4	0.0	0.0	0.2
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.7	0.0	0.0	0.3	5.6	0.0	0.0	0.2
%ile Storage Ratio (RQ%)	0.11	0.00	0.00	0.00	0.06	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	153	0	0	40	37	0	0	23
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	1.5	0.0	0.0	1.1	0.6	0.0	0.0	0.7
Cycle Q Clear Time (g_c), s	1.5	0.0	0.0	1.1	0.6	0.0	0.0	0.7
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	762	0	0	124	635	0	0	189
V/C Ratio (X)	0.20	0.00	0.00	0.32	0.06	0.00	0.00	0.12
Avail Cap (c_a), veh/h	1306	0	0	725	1306	0	0	748
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	1.5	0.0	0.0	11.7	3.7	0.0	0.0	13.3
Incr Delay (d2), s/veh	0.1	0.0	0.0	1.5	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	1.6	0.0	0.0	13.2	3.7	0.0	0.0	13.6
1st-Term Q (Q1), veh/ln	0.7	0.0	0.0	0.5	0.2	0.0	0.0	0.3
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	0.0	0.0	0.6	0.2	0.0	0.0	0.3
%ile Storage Ratio (RQ%)	0.06	0.00	0.00	0.57	0.02	0.00	0.00	0.29
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	14.8
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	22	79	67	58	47	4	34	10	47	5	19	19
Future Vol, veh/h	22	79	67	58	47	4	34	10	47	5	19	19
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	24	86	73	63	51	4	37	11	51	5	21	21
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.2	8.5	8.1	7.8
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	22%	0%	100%	0%	12%
Vol Thru, %	11%	78%	0%	0%	92%	44%
Vol Right, %	52%	0%	100%	0%	8%	44%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	91	101	67	58	51	43
LT Vol	34	22	0	58	0	5
Through Vol	10	79	0	0	47	19
RT Vol	47	0	67	0	4	19
Lane Flow Rate	99	110	73	63	55	47
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.123	0.155	0.087	0.097	0.077	0.059
Departure Headway (Hd)	4.468	5.092	4.279	5.53	4.972	4.524
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	803	705	838	649	721	792
Service Time	2.491	2.818	2.005	3.258	2.7	2.552
HCM Lane V/C Ratio	0.123	0.156	0.087	0.097	0.076	0.059
HCM Control Delay	8.1	8.8	7.4	8.9	8.1	7.8
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.4	0.5	0.3	0.3	0.2	0.2

Intersection	
Int Delay, s/veh	7.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	115	18	16	3	1	120
Future Vol, veh/h	115	18	16	3	1	120
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	50	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	125	20	17	3	1	130

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	20	0	-	0	289	19
Stage 1	-	-	-	-	19	-
Stage 2	-	-	-	-	270	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1596	-	-	-	702	1059
Stage 1	-	-	-	-	1004	-
Stage 2	-	-	-	-	775	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1596	-	-	-	647	1059
Mov Cap-2 Maneuver	-	-	-	-	647	-
Stage 1	-	-	-	-	926	-
Stage 2	-	-	-	-	775	-

Approach	EB	WB	SB
HCM Control Delay, s	6.4	0	8.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1596	-	-	-	1053
HCM Lane V/C Ratio	0.078	-	-	-	0.125
HCM Control Delay (s)	7.4	-	-	-	8.9
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.3	-	-	-	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	62	645	12	166	728	187	19	44	133	154	65	40
Future Volume (veh/h)	62	645	12	166	728	187	19	44	133	154	65	40
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	67	701	13	180	791	203	21	48	145	167	71	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	315	1722	708	231	1213	311	276	202	158	218	136	106
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.19	0.48	0.48	0.14	0.43	0.42	0.17	0.11	0.11	0.13	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	41.1	20.6	3.7	54.8	29.1	29.6	42.2	49.6	55.3	58.8	56.7	55.6
Ln Grp LOS	D	C	A	D	C	C	D	D	E	E	E	E
Approach Vol, veh/h		781			1174			214			281	
Approach Delay, s/veh		22.1			33.3			52.7			57.8	
Approach LOS		C			C			D			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	8	7
Case No	3.0	2.0	2.0	3.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	17.0	20.0	20.9	62.2	12.7	24.2	56.0	27.1
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	19.0	20.0	39.0	33.0	4.0	50.0	9.0
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	10.6	13.8	14.7	17.2	6.4	3.3	28.9	6.1
Green Ext Time (g_e), s	0.4	0.2	0.2	3.0	0.3	0.0	3.9	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	1.00	1.00	0.50	1.00	0.89
Prob of Max Out (p_x)	0.12	0.42	0.41	0.00	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5		7
Mvmt Sat Flow, veh/h		1641	1641			1641		1641

Through Movement Data								
Assigned Mvmt	2			4	6		8	
Mvmt Sat Flow, veh/h	1870			3554	1870		2799	

Right-Turn Movement Data								
Assigned Mvmt	12			14	16		18	
Mvmt Sat Flow, veh/h	1460			1460	1460		718	

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	0	7
Lane Assignment		L (Prot)	L (Prot)			L (Prot)		L (Prot)

Lanes in Grp	0	1	1	0	0	1	0	1
Grp Vol (v), veh/h	0	167	180	0	0	21	0	67
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	0	1641
Q Serve Time (g_s), s	0.0	11.8	12.7	0.0	0.0	1.3	0.0	4.1
Cycle Q Clear Time (g_c), s	0.0	11.8	12.7	0.0	0.0	1.3	0.0	4.1
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	218	231	0	0	276	0	315
V/C Ratio (X)	0.00	0.77	0.78	0.00	0.00	0.08	0.00	0.21
Avail Cap (c_a), veh/h	0	287	301	0	0	276	0	315
Upstream Filter (I)	0.00	1.00	0.53	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	50.2	49.7	0.0	0.0	42.0	0.0	40.8
Incr Delay (d2), s/veh	0.0	8.6	5.1	0.0	0.0	0.1	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	58.8	54.8	0.0	0.0	42.2	0.0	41.1
1st-Term Q (Q1), veh/ln	0.0	4.6	5.0	0.0	0.0	0.5	0.0	1.6
2nd-Term Q (Q2), veh/ln	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	5.1	5.3	0.0	0.0	0.5	0.0	1.6
%ile Storage Ratio (RQ%)	0.00	1.31	0.67	0.00	0.00	0.09	0.00	0.28
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	8	0
Lane Assignment	T			T	T		T	
Lanes in Grp	1	0	0	2	1	0	1	0
Grp Vol (v), veh/h	48	0	0	701	71	0	502	0
Grp Sat Flow (s), veh/h/ln	1870	0	0	1777	1870	0	1777	0
Q Serve Time (g_s), s	2.8	0.0	0.0	15.2	4.4	0.0	26.8	0.0
Cycle Q Clear Time (g_c), s	2.8	0.0	0.0	15.2	4.4	0.0	26.8	0.0
Lane Grp Cap (c), veh/h	202	0	0	1722	136	0	770	0
V/C Ratio (X)	0.24	0.00	0.00	0.41	0.52	0.00	0.65	0.00
Avail Cap (c_a), veh/h	312	0	0	1722	546	0	770	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.53	0.00
Uniform Delay (d1), s/veh	49.0	0.0	0.0	19.9	53.6	0.0	26.9	0.0
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.7	3.1	0.0	2.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	49.6	0.0	0.0	20.6	56.7	0.0	29.1	0.0
1st-Term Q (Q1), veh/ln	1.3	0.0	0.0	5.7	2.0	0.0	10.4	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.1	0.0	0.5	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.3	0.0	0.0	5.9	2.1	0.0	10.9	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.00	0.06	0.03	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	18	0
Lane Assignment	R			R	R		T+R	
Lanes in Grp	1	0	0	1	1	0	1	0
Grp Vol (v), veh/h	145	0	0	13	43	0	492	0
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	1741	0
Q Serve Time (g_s), s	8.6	0.0	0.0	0.3	3.4	0.0	26.9	0.0
Cycle Q Clear Time (g_c), s	8.6	0.0	0.0	0.3	3.4	0.0	26.9	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.41	0.00
Lane Grp Cap (c), veh/h	158	0	0	708	106	0	754	0
V/C Ratio (X)	0.92	0.00	0.00	0.02	0.40	0.00	0.65	0.00
Avail Cap (c_a), veh/h	243	0	0	708	426	0	754	0
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.53	0.00
Uniform Delay (d1), s/veh	28.2	0.0	0.0	3.7	53.2	0.0	27.2	0.0
Incr Delay (d2), s/veh	27.1	0.0	0.0	0.0	2.5	0.0	2.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	55.3	0.0	0.0	3.7	55.6	0.0	29.6	0.0
1st-Term Q (Q1), veh/ln	4.0	0.0	0.0	0.2	1.2	0.0	10.3	0.0
2nd-Term Q (Q2), veh/ln	1.2	0.0	0.0	0.0	0.1	0.0	0.5	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	5.2	0.0	0.0	0.2	1.3	0.0	10.8	0.0
%ile Storage Ratio (RQ%)	0.88	0.00	0.00	0.00	0.32	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.2
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	107	882	11	143	1082	278	46	70	123	379	111	94
Future Volume (veh/h)	107	882	11	143	1082	278	46	70	123	379	111	94
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	116	959	12	155	1176	302	50	76	134	412	121	102
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	162	1653	679	204	1728	710	187	210	187	522	153	129
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.10	0.47	0.47	0.12	0.49	0.49	0.11	0.12	0.10	0.16	0.16	0.15
Unsig. Movement Delay												
Ln Grp Delay, s/veh	61.7	24.8	6.3	66.1	25.9	6.8	49.3	49.8	57.2	54.6	0.0	53.6
Ln Grp LOS	E	C	A	E	C	A	D	D	E	D	A	D
Approach Vol, veh/h		1087			1633			260			635	
Approach Delay, s/veh		28.5			26.1			53.5			54.3	
Approach LOS		C			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	18.2	23.1	18.9	59.8	23.6	17.7	16.4	62.3
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	20.0	13.0	45.0	34.0	4.0	12.0	46.0
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	11.8	16.5	13.0	25.7	16.9	5.3	10.6	32.5
Green Ext Time (g_e), s	0.4	0.6	0.0	4.2	0.7	0.0	0.0	5.8
Prob of Phs Call (p_c)	1.00	1.00	0.99	1.00	1.00	0.81	0.98	1.00
Prob of Max Out (p_x)	0.27	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		3281	1641			1641	1575	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	1777			3554	938			3554

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1585			1460	790			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	412	155	0	0	50	116	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1575	0
Q Serve Time (g_s), s	0.0	14.5	11.0	0.0	0.0	3.3	8.6	0.0
Cycle Q Clear Time (g_c), s	0.0	14.5	11.0	0.0	0.0	3.3	8.6	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	522	204	0	0	187	162	0
V/C Ratio (X)	0.00	0.79	0.76	0.00	0.00	0.27	0.71	0.00
Avail Cap (c_a), veh/h	0	602	205	0	0	187	184	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.88	0.00
Uniform Delay (d1), s/veh	0.0	48.5	50.8	0.0	0.0	48.6	52.1	0.0
Incr Delay (d2), s/veh	0.0	6.1	15.2	0.0	0.0	0.8	9.6	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	54.6	66.1	0.0	0.0	49.3	61.7	0.0
1st-Term Q (Q1), veh/ln	0.0	5.7	4.3	0.0	0.0	1.3	3.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.4	0.9	0.0	0.0	0.0	0.4	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	6.1	5.2	0.0	0.0	1.4	3.7	0.0
%ile Storage Ratio (RQ%)	0.00	1.03	1.31	0.00	0.00	0.49	0.31	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	76	0	0	959	0	0	0	1176
Grp Sat Flow (s), veh/h/ln	1777	0	0	1777	0	0	0	1777
Q Serve Time (g_s), s	4.7	0.0	0.0	23.7	0.0	0.0	0.0	30.5
Cycle Q Clear Time (g_c), s	4.7	0.0	0.0	23.7	0.0	0.0	0.0	30.5
Lane Grp Cap (c), veh/h	210	0	0	1653	0	0	0	1728
V/C Ratio (X)	0.36	0.00	0.00	0.58	0.00	0.00	0.00	0.68
Avail Cap (c_a), veh/h	296	0	0	1653	0	0	0	1728
Upstream Filter (I)	1.00	0.00	0.00	0.88	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	48.7	0.0	0.0	23.5	0.0	0.0	0.0	23.7
Incr Delay (d2), s/veh	1.0	0.0	0.0	1.3	0.0	0.0	0.0	2.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	49.8	0.0	0.0	24.8	0.0	0.0	0.0	25.9
1st-Term Q (Q1), veh/ln	2.0	0.0	0.0	9.1	0.0	0.0	0.0	11.5
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.5

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.1	0.0	0.0	9.4	0.0	0.0	0.0	12.0
%ile Storage Ratio (RQ%)	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.05
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	134	0	0	12	223	0	0	302
Grp Sat Flow (s), veh/h/ln	1585	0	0	1460	1728	0	0	1460
Q Serve Time (g_s), s	9.8	0.0	0.0	0.3	14.9	0.0	0.0	8.0
Cycle Q Clear Time (g_c), s	9.8	0.0	0.0	0.3	14.9	0.0	0.0	8.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.46	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	187	0	0	679	282	0	0	710
V/C Ratio (X)	0.72	0.00	0.00	0.02	0.79	0.00	0.00	0.43
Avail Cap (c_a), veh/h	264	0	0	679	518	0	0	710
Upstream Filter (I)	1.00	0.00	0.00	0.88	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	52.0	0.0	0.0	6.2	48.7	0.0	0.0	4.9
Incr Delay (d2), s/veh	5.3	0.0	0.0	0.0	4.9	0.0	0.0	1.9
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	57.2	0.0	0.0	6.3	53.6	0.0	0.0	6.8
1st-Term Q (Q1), veh/ln	3.8	0.0	0.0	0.2	6.2	0.0	0.0	4.3
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.1	0.0	0.0	0.2	6.6	0.0	0.0	4.7
%ile Storage Ratio (RQ%)	0.04	0.00	0.00	0.01	0.10	0.00	0.00	0.59
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	33.8
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	9.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	41	52	15	50	66	6	13	133	36	8	147	63
Future Vol, veh/h	41	52	15	50	66	6	13	133	36	8	147	63
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	45	57	16	54	72	7	14	145	39	9	160	68
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	9.3	9.4	9.6	9.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	7%	100%	0%	100%	0%	4%
Vol Thru, %	73%	0%	78%	0%	92%	67%
Vol Right, %	20%	0%	22%	0%	8%	29%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	182	41	67	50	72	218
LT Vol	13	41	0	50	0	8
Through Vol	133	0	52	0	66	147
RT Vol	36	0	15	0	6	63
Lane Flow Rate	198	45	73	54	78	237
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.264	0.077	0.113	0.094	0.123	0.309
Departure Headway (Hd)	4.802	6.233	5.568	6.21	5.645	4.697
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	742	570	636	572	628	761
Service Time	2.869	4.029	3.363	4.003	3.438	2.76
HCM Lane V/C Ratio	0.267	0.079	0.115	0.094	0.124	0.311
HCM Control Delay	9.6	9.6	9.1	9.7	9.2	9.9
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	1.1	0.2	0.4	0.3	0.4	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	26	37	103	17	45	39	1311	181	65	1075	34
Future Volume (veh/h)	19	26	37	103	17	45	39	1311	181	65	1075	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	21	28	40	112	18	49	42	1425	197	71	1168	37
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	280	153	120	162	249	194	276	1825	750	132	1514	622
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.08	0.08	0.10	0.13	0.13	0.17	0.51	0.51	0.08	0.43	0.43
Unsig. Movement Delay												
Ln Grp Delay, s/veh	27.4	31.0	13.9	42.9	27.1	14.7	25.5	14.8	2.2	35.0	18.3	4.7
Ln Grp LOS	C	C	B	D	C	B	C	B	A	C	B	A
Approach Vol, veh/h		89			179			1664			1276	
Approach Delay, s/veh		22.5			33.6			13.6			18.8	
Approach LOS		C			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	40.5	9.7	11.0	9.8	34.2	15.9	7.4	13.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.2
Max Q Clear (g_c+l1), s	25.1	5.0	6.7	3.2	22.0	3.6	2.8	3.5
Green Ext Time (g_e), s	9.3	0.0	0.0	0.2	6.3	0.0	0.0	0.2
Prob of Phs Call (p_c)	1.00	0.75	0.89	0.95	1.00	0.56	0.34	0.99
Prob of Max Out (p_x)	0.06	1.00	1.00	0.00	0.01	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	71	112	0	0	42	21	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	3.0	4.7	0.0	0.0	1.6	0.8	0.0
Cycle Q Clear Time (g_c), s	0.0	3.0	4.7	0.0	0.0	1.6	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1229	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	132	162	0	0	276	280	0
V/C Ratio (X)	0.00	0.54	0.69	0.00	0.00	0.15	0.08	0.00
Avail Cap (c_a), veh/h	0	139	162	0	0	276	341	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	31.4	31.0	0.0	0.0	25.2	27.3	0.0
Incr Delay (d2), s/veh	0.0	3.6	12.0	0.0	0.0	0.3	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	35.0	42.9	0.0	0.0	25.5	27.4	0.0
1st-Term Q (Q1), veh/ln	0.0	1.0	1.7	0.0	0.0	0.5	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.2	2.2	0.0	0.0	0.6	0.3	0.0
%ile Storage Ratio (RQ%)	0.00	0.07	0.19	0.00	0.00	0.04	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	1425	0	0	28	1168	0	0	18
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	23.1	0.0	0.0	1.0	20.0	0.0	0.0	0.6
Cycle Q Clear Time (g_c), s	23.1	0.0	0.0	1.0	20.0	0.0	0.0	0.6
Lane Grp Cap (c), veh/h	1825	0	0	153	1514	0	0	249
V/C Ratio (X)	0.78	0.00	0.00	0.18	0.77	0.00	0.00	0.07
Avail Cap (c_a), veh/h	2927	0	0	856	2927	0	0	882
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	14.0	0.0	0.0	30.4	17.4	0.0	0.0	26.9
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.6	0.9	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	14.8	0.0	0.0	31.0	18.3	0.0	0.0	27.1
1st-Term Q (Q1), veh/ln	6.6	0.0	0.0	0.4	6.4	0.0	0.0	0.2
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	6.8	0.0	0.0	0.4	6.5	0.0	0.0	0.2
%ile Storage Ratio (RQ%)	0.13	0.00	0.00	0.01	0.06	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	197	0	0	40	37	0	0	49
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	2.4	0.0	0.0	1.2	0.7	0.0	0.0	1.5
Cycle Q Clear Time (g_c), s	2.4	0.0	0.0	1.2	0.7	0.0	0.0	1.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	750	0	0	120	622	0	0	194
V/C Ratio (X)	0.26	0.00	0.00	0.33	0.06	0.00	0.00	0.25
Avail Cap (c_a), veh/h	1203	0	0	668	1203	0	0	689
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	2.0	0.0	0.0	12.3	4.7	0.0	0.0	14.0
Incr Delay (d2), s/veh	0.2	0.0	0.0	1.6	0.0	0.0	0.0	0.7
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	2.2	0.0	0.0	13.9	4.7	0.0	0.0	14.7
1st-Term Q (Q1), veh/ln	1.1	0.0	0.0	0.6	0.3	0.0	0.0	0.7
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.1	0.0	0.0	0.6	0.3	0.0	0.0	0.7
%ile Storage Ratio (RQ%)	0.10	0.00	0.00	0.64	0.02	0.00	0.00	0.70
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	17.0
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	8.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	22	162	69	58	97	5	35	10	49	7	19	19
Future Vol, veh/h	22	162	69	58	97	5	35	10	49	7	19	19
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	24	176	75	63	105	5	38	11	53	8	21	21
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	9.2	8.9	8.6	8.3
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	12%	0%	100%	0%	16%
Vol Thru, %	11%	88%	0%	0%	95%	42%
Vol Right, %	52%	0%	100%	0%	5%	42%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	94	184	69	58	102	45
LT Vol	35	22	0	58	0	7
Through Vol	10	162	0	0	97	19
RT Vol	49	0	69	0	5	19
Lane Flow Rate	102	200	75	63	111	49
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.137	0.285	0.091	0.099	0.158	0.067
Departure Headway (Hd)	4.81	5.13	4.366	5.653	5.115	4.902
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	744	700	818	632	700	728
Service Time	2.852	2.872	2.108	3.4	2.862	2.951
HCM Lane V/C Ratio	0.137	0.286	0.092	0.1	0.159	0.067
HCM Control Delay	8.6	9.9	7.5	9	8.8	8.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	1.2	0.3	0.3	0.6	0.2

Intersection	
Int Delay, s/veh	8.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	124	18	29	0	16	3	17	26	0	1	44	135
Future Vol, veh/h	124	18	29	0	16	3	17	26	0	1	44	135
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	135	20	32	0	17	3	18	28	0	1	48	147

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	20	0	0	52	0	0	422	326	36	339	341	19
Stage 1	-	-	-	-	-	-	306	306	-	19	19	-
Stage 2	-	-	-	-	-	-	116	20	-	320	322	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1596	-	-	1554	-	-	542	592	1037	615	581	1059
Stage 1	-	-	-	-	-	-	704	662	-	1000	880	-
Stage 2	-	-	-	-	-	-	889	879	-	692	651	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1596	-	-	1554	-	-	407	542	1037	553	532	1059
Mov Cap-2 Maneuver	-	-	-	-	-	-	407	542	-	553	532	-
Stage 1	-	-	-	-	-	-	644	606	-	915	880	-
Stage 2	-	-	-	-	-	-	724	879	-	604	596	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.4	0	13.3	10.5
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	479	1596	-	-	1554	-	-	849
HCM Lane V/C Ratio	0.098	0.084	-	-	-	-	-	0.23
HCM Control Delay (s)	13.3	7.5	-	-	0	-	-	10.5
HCM Lane LOS	B	A	-	-	A	-	-	B
HCM 95th %tile Q(veh)	0.3	0.3	-	-	0	-	-	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	932	15	187	1051	271	26	60	164	222	84	58
Future Volume (veh/h)	90	932	15	187	1051	271	26	60	164	222	84	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	98	1013	16	203	1142	295	28	65	178	241	91	63
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	141	2194	979	289	1963	502	393	263	223	330	197	167
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.47	0.47	0.12	0.53	0.51	0.17	0.11	0.11	0.14	0.08	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	60.1	18.7	3.0	42.7	16.0	16.4	35.1	41.5	29.6	46.5	45.6	29.6
Ln Grp LOS	E	B	A	D	B	B	D	D	C	D	D	C
Approach Vol, veh/h		1127			1640			271			395	
Approach Delay, s/veh		22.1			19.5			33.0			43.6	
Approach LOS		C			B			C			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	2.0	4.0
Phs Duration (G+Y+Rc), s	14.7	18.1	16.3	50.9	12.0	20.8	10.0	57.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	19.2	15.0	11.0	30.8	30.2	4.0	4.0	37.8
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.0
Max Q Clear (g_c+I1), s	8.1	11.8	10.3	16.7	5.5	3.0	6.1	23.5
Green Ext Time (g_e), s	0.6	0.2	0.0	4.1	0.5	0.0	0.0	5.6
Prob of Phs Call (p_c)	1.00	1.00	1.00	1.00	1.00	0.54	0.93	1.00
Prob of Max Out (p_x)	0.01	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		2344	2344			2344	2344	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	2461			4676	2461			3686

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	2086			2086	2086			943

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	241	203	0	0	28	98	0
Grp Sat Flow (s), veh/h/ln	0	2344	2344	0	0	2344	2344	0
Q Serve Time (g_s), s	0.0	9.8	8.3	0.0	0.0	1.0	4.1	0.0
Cycle Q Clear Time (g_c), s	0.0	9.8	8.3	0.0	0.0	1.0	4.1	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	330	289	0	0	393	141	0
V/C Ratio (X)	0.00	0.73	0.70	0.00	0.00	0.07	0.70	0.00
Avail Cap (c_a), veh/h	0	398	305	0	0	393	141	0
Upstream Filter (I)	0.00	1.00	0.09	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	41.1	42.1	0.0	0.0	35.1	46.1	0.0
Incr Delay (d2), s/veh	0.0	5.4	0.6	0.0	0.0	0.1	14.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	46.5	42.7	0.0	0.0	35.1	60.1	0.0
1st-Term Q (Q1), veh/ln	0.0	5.3	4.5	0.0	0.0	0.5	2.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.5	0.1	0.0	0.0	0.0	0.5	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	5.8	4.6	0.0	0.0	0.6	2.8	0.0
%ile Storage Ratio (RQ%)	0.00	1.48	0.58	0.00	0.00	0.09	0.48	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	1	0	0	2	1	0	0	1
Grp Vol (v), veh/h	65	0	0	1013	91	0	0	720
Grp Sat Flow (s), veh/h/ln	2461	0	0	2338	2461	0	0	2338
Q Serve Time (g_s), s	2.4	0.0	0.0	14.7	3.5	0.0	0.0	20.8
Cycle Q Clear Time (g_c), s	2.4	0.0	0.0	14.7	3.5	0.0	0.0	20.8
Lane Grp Cap (c), veh/h	263	0	0	2194	197	0	0	1245
V/C Ratio (X)	0.25	0.00	0.00	0.46	0.46	0.00	0.00	0.58
Avail Cap (c_a), veh/h	522	0	0	2194	792	0	0	1245
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.09
Uniform Delay (d1), s/veh	41.0	0.0	0.0	18.0	43.9	0.0	0.0	15.8
Incr Delay (d2), s/veh	0.5	0.0	0.0	0.7	1.7	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	41.5	0.0	0.0	18.7	45.6	0.0	0.0	16.0
1st-Term Q (Q1), veh/ln	1.4	0.0	0.0	7.0	2.0	0.0	0.0	9.4
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.4	0.0	0.0	7.2	2.1	0.0	0.0	9.4
%ile Storage Ratio (RQ%)	0.01	0.00	0.00	0.07	0.03	0.00	0.00	0.05
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			T+R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	178	0	0	16	63	0	0	717
Grp Sat Flow (s), veh/h/ln	2086	0	0	2086	2086	0	0	2291
Q Serve Time (g_s), s	6.1	0.0	0.0	0.2	2.3	0.0	0.0	21.5
Cycle Q Clear Time (g_c), s	6.1	0.0	0.0	0.2	2.3	0.0	0.0	21.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.41
Lane Grp Cap (c), veh/h	223	0	0	979	167	0	0	1220
V/C Ratio (X)	0.80	0.00	0.00	0.02	0.38	0.00	0.00	0.59
Avail Cap (c_a), veh/h	442	0	0	979	672	0	0	1220
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.09
Uniform Delay (d1), s/veh	23.1	0.0	0.0	3.0	28.2	0.0	0.0	16.2
Incr Delay (d2), s/veh	6.5	0.0	0.0	0.0	1.4	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	29.6	0.0	0.0	3.0	29.6	0.0	0.0	16.4
1st-Term Q (Q1), veh/ln	3.9	0.0	0.0	0.2	1.4	0.0	0.0	9.6
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	4.3	0.0	0.0	0.2	1.5	0.0	0.0	9.7
%ile Storage Ratio (RQ%)	0.73	0.00	0.00	0.00	0.37	0.00	0.00	0.05
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	24.2
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	146	1256	15	203	1531	401	63	101	177	547	161	119
Future Volume (veh/h)	146	1256	15	203	1531	401	63	101	177	547	161	119
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2363	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	159	1365	16	221	1664	436	68	110	192	595	175	129
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	206	2126	948	292	2279	1017	278	296	264	754	222	164
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.09	0.45	0.45	0.12	0.49	0.49	0.12	0.13	0.11	0.16	0.17	0.15
Unsig. Movement Delay												
Ln Grp Delay, s/veh	63.5	26.1	6.5	61.6	26.6	6.1	48.5	48.8	56.6	53.2	0.0	51.8
Ln Grp LOS	E	C	A	E	C	A	D	D	E	D	A	D
Approach Vol, veh/h		1540			2321			370			899	
Approach Delay, s/veh		29.8			26.1			52.8			52.7	
Approach LOS		C			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	19.2	23.3	18.9	58.6	24.3	18.2	15.0	62.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	19.0	13.0	46.0	33.0	4.0	9.0	50.0
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.0
Max Q Clear (g_c+I1), s	12.7	16.6	12.9	29.0	17.3	5.2	10.3	36.0
Green Ext Time (g_e), s	0.5	0.7	0.0	6.3	0.9	0.0	0.0	8.7
Prob of Phs Call (p_c)	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00
Prob of Max Out (p_x)	0.53	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		4688	2344			2344	2250	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	2338			4676	1316			4676

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	2086			2086	970			2086

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	595	221	0	0	68	159	0
Grp Sat Flow (s), veh/h/ln	0	2344	2344	0	0	2344	2250	0
Q Serve Time (g_s), s	0.0	14.6	10.9	0.0	0.0	3.2	8.3	0.0
Cycle Q Clear Time (g_c), s	0.0	14.6	10.9	0.0	0.0	3.2	8.3	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	754	292	0	0	278	206	0
V/C Ratio (X)	0.00	0.79	0.76	0.00	0.00	0.24	0.77	0.00
Avail Cap (c_a), veh/h	0	820	293	0	0	278	206	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.60	0.00
Uniform Delay (d1), s/veh	0.0	48.4	50.8	0.0	0.0	48.0	53.3	0.0
Incr Delay (d2), s/veh	0.0	4.8	10.8	0.0	0.0	0.5	10.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	53.2	61.6	0.0	0.0	48.5	63.5	0.0
1st-Term Q (Q1), veh/ln	0.0	8.2	6.1	0.0	0.0	1.8	4.5	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.5	0.9	0.0	0.0	0.0	0.6	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	8.7	7.0	0.0	0.0	1.8	5.1	0.0
%ile Storage Ratio (RQ%)	0.00	1.47	1.78	0.00	0.00	0.66	0.43	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	110	0	0	1365	0	0	0	1664
Grp Sat Flow (s), veh/h/ln	2338	0	0	2338	0	0	0	2338
Q Serve Time (g_s), s	5.2	0.0	0.0	27.0	0.0	0.0	0.0	34.0
Cycle Q Clear Time (g_c), s	5.2	0.0	0.0	27.0	0.0	0.0	0.0	34.0
Lane Grp Cap (c), veh/h	296	0	0	2126	0	0	0	2279
V/C Ratio (X)	0.37	0.00	0.00	0.64	0.00	0.00	0.00	0.73
Avail Cap (c_a), veh/h	390	0	0	2126	0	0	0	2279
Upstream Filter (I)	1.00	0.00	0.00	0.60	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	48.0	0.0	0.0	25.2	0.0	0.0	0.0	24.5
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.9	0.0	0.0	0.0	2.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	48.8	0.0	0.0	26.1	0.0	0.0	0.0	26.6
1st-Term Q (Q1), veh/ln	2.9	0.0	0.0	13.7	0.0	0.0	0.0	16.9
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.7

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.0	0.0	0.0	13.9	0.0	0.0	0.0	17.6
%ile Storage Ratio (RQ%)	0.03	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	192	0	0	16	304	0	0	436
Grp Sat Flow (s), veh/h/ln	2086	0	0	2086	2286	0	0	2086
Q Serve Time (g_s), s	10.7	0.0	0.0	0.3	15.3	0.0	0.0	8.0
Cycle Q Clear Time (g_c), s	10.7	0.0	0.0	0.3	15.3	0.0	0.0	8.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.42	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	264	0	0	948	386	0	0	1017
V/C Ratio (X)	0.73	0.00	0.00	0.02	0.79	0.00	0.00	0.43
Avail Cap (c_a), veh/h	348	0	0	948	667	0	0	1017
Upstream Filter (I)	1.00	0.00	0.00	0.60	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	51.4	0.0	0.0	6.5	48.2	0.0	0.0	4.8
Incr Delay (d2), s/veh	5.2	0.0	0.0	0.0	3.6	0.0	0.0	1.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	56.6	0.0	0.0	6.5	51.8	0.0	0.0	6.1
1st-Term Q (Q1), veh/ln	5.4	0.0	0.0	0.2	8.4	0.0	0.0	6.2
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.8	0.0	0.0	0.2	8.8	0.0	0.0	6.6
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.02	0.13	0.00	0.00	0.83
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	33.8
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	10.7
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	60	75	13	63	95	9	13	153	47	11	144	91
Future Vol, veh/h	60	75	13	63	95	9	13	153	47	11	144	91
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	65	82	14	68	103	10	14	166	51	12	157	99
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.1	10.2	10.9	11.2
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	6%	100%	0%	100%	0%	4%
Vol Thru, %	72%	0%	85%	0%	91%	59%
Vol Right, %	22%	0%	15%	0%	9%	37%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	213	60	88	63	104	246
LT Vol	13	60	0	63	0	11
Through Vol	153	0	75	0	95	144
RT Vol	47	0	13	0	9	91
Lane Flow Rate	232	65	96	68	113	267
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.336	0.121	0.161	0.126	0.19	0.378
Departure Headway (Hd)	5.229	6.665	6.051	6.63	6.06	5.087
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	688	538	593	541	592	706
Service Time	3.265	4.403	3.789	4.368	3.798	3.123
HCM Lane V/C Ratio	0.337	0.121	0.162	0.126	0.191	0.378
HCM Control Delay	10.9	10.3	10	10.3	10.2	11.2
HCM Lane LOS	B	B	A	B	B	B
HCM 95th-tile Q	1.5	0.4	0.6	0.4	0.7	1.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	30	54	114	21	30	56	1893	203	35	1551	49
Future Volume (veh/h)	28	30	54	114	21	30	56	1893	203	35	1551	49
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	30	33	59	124	23	33	61	2058	221	38	1686	53
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	310	185	157	208	281	238	354	2706	1207	127	2253	1005
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.08	0.08	0.09	0.11	0.11	0.15	0.58	0.58	0.05	0.48	0.48
Unsig. Movement Delay												
Ln Grp Delay, s/veh	30.7	34.6	17.1	39.0	31.3	18.7	29.4	13.2	1.5	37.1	17.0	4.1
Ln Grp LOS	C	C	B	D	C	B	C	B	A	D	B	A
Approach Vol, veh/h		122			180			2340			1777	
Approach Delay, s/veh		25.2			34.3			12.6			17.1	
Approach LOS		C			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	49.6	8.3	11.0	9.9	41.9	15.9	7.9	13.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	28.1	3.2	6.0	3.4	25.0	3.8	2.9	2.9
Green Ext Time (g_e), s	15.5	0.0	0.0	0.3	10.9	0.0	0.0	0.1
Prob of Phs Call (p_c)	1.00	0.56	0.93	0.98	1.00	0.74	0.48	1.00
Prob of Max Out (p_x)	0.34	1.00	1.00	0.00	0.09	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		2344	2344			2344	2344	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	4676			2461	4676			2461

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	2086			2086	2086			2086

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	38	124	0	0	61	30	0
Grp Sat Flow (s), veh/h/ln	0	2344	2344	0	0	2344	2344	0
Q Serve Time (g_s), s	0.0	1.2	4.0	0.0	0.0	1.8	0.9	0.0
Cycle Q Clear Time (g_c), s	0.0	1.2	4.0	0.0	0.0	1.8	0.9	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1348	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	127	208	0	0	354	310	0
V/C Ratio (X)	0.00	0.30	0.60	0.00	0.00	0.17	0.10	0.00
Avail Cap (c_a), veh/h	0	179	208	0	0	354	371	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	35.8	34.5	0.0	0.0	29.1	30.5	0.0
Incr Delay (d2), s/veh	0.0	1.3	4.5	0.0	0.0	0.2	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	37.1	39.0	0.0	0.0	29.4	30.7	0.0
1st-Term Q (Q1), veh/ln	0.0	0.6	2.1	0.0	0.0	0.9	0.5	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.7	2.3	0.0	0.0	0.9	0.5	0.0
%ile Storage Ratio (RQ%)	0.00	0.04	0.20	0.00	0.00	0.06	0.12	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	2058	0	0	33	1686	0	0	23
Grp Sat Flow (s), veh/h/ln	2338	0	0	2461	2338	0	0	2461
Q Serve Time (g_s), s	26.1	0.0	0.0	1.0	23.0	0.0	0.0	0.7
Cycle Q Clear Time (g_c), s	26.1	0.0	0.0	1.0	23.0	0.0	0.0	0.7
Lane Grp Cap (c), veh/h	2706	0	0	185	2253	0	0	281
V/C Ratio (X)	0.76	0.00	0.00	0.18	0.75	0.00	0.00	0.08
Avail Cap (c_a), veh/h	3474	0	0	1016	3474	0	0	1047
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	12.5	0.0	0.0	34.1	16.5	0.0	0.0	31.2
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.5	0.5	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	13.2	0.0	0.0	34.6	17.0	0.0	0.0	31.3
1st-Term Q (Q1), veh/ln	9.5	0.0	0.0	0.5	9.7	0.0	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	9.8	0.0	0.0	0.6	9.8	0.0	0.0	0.4
%ile Storage Ratio (RQ%)	0.19	0.00	0.00	0.01	0.10	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	221	0	0	59	53	0	0	33
Grp Sat Flow (s), veh/h/ln	2086	0	0	2086	2086	0	0	2086
Q Serve Time (g_s), s	1.7	0.0	0.0	1.4	0.6	0.0	0.0	0.9
Cycle Q Clear Time (g_c), s	1.7	0.0	0.0	1.4	0.6	0.0	0.0	0.9
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	1207	0	0	157	1005	0	0	238
V/C Ratio (X)	0.18	0.00	0.00	0.38	0.05	0.00	0.00	0.14
Avail Cap (c_a), veh/h	1550	0	0	861	1550	0	0	887
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	1.4	0.0	0.0	15.6	4.0	0.0	0.0	18.5
Incr Delay (d2), s/veh	0.1	0.0	0.0	1.5	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	1.5	0.0	0.0	17.1	4.1	0.0	0.0	18.7
1st-Term Q (Q1), veh/ln	1.1	0.0	0.0	1.0	0.4	0.0	0.0	0.5
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.2	0.0	0.0	1.0	0.4	0.0	0.0	0.5
%ile Storage Ratio (RQ%)	0.10	0.00	0.00	1.05	0.03	0.00	0.00	0.54
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	15.6
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	32	114	97	84	67	6	49	15	67	7	28	28
Future Vol, veh/h	32	114	97	84	67	6	49	15	67	7	28	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	35	124	105	91	73	7	53	16	73	8	30	30
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	9	9.2	9	8.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	22%	0%	100%	0%	11%
Vol Thru, %	11%	78%	0%	0%	92%	44%
Vol Right, %	51%	0%	100%	0%	8%	44%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	131	146	97	84	73	63
LT Vol	49	32	0	84	0	7
Through Vol	15	114	0	0	67	28
RT Vol	67	0	97	0	6	28
Lane Flow Rate	142	159	105	91	79	68
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.191	0.235	0.132	0.147	0.116	0.093
Departure Headway (Hd)	4.821	5.339	4.524	5.808	5.246	4.913
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	740	670	788	614	680	724
Service Time	2.872	3.094	2.278	3.568	3.005	2.975
HCM Lane V/C Ratio	0.192	0.237	0.133	0.148	0.116	0.094
HCM Control Delay	9	9.7	8	9.6	8.7	8.5
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.7	0.9	0.5	0.5	0.4	0.3

Intersection	
Int Delay, s/veh	7.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	166	26	22	4	2	174
Future Vol, veh/h	166	26	22	4	2	174
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	50	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	180	28	24	4	2	189

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	28	0	-	0	414	26
Stage 1	-	-	-	-	26	-
Stage 2	-	-	-	-	388	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1585	-	-	-	595	1050
Stage 1	-	-	-	-	997	-
Stage 2	-	-	-	-	686	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1585	-	-	-	527	1050
Mov Cap-2 Maneuver	-	-	-	-	527	-
Stage 1	-	-	-	-	883	-
Stage 2	-	-	-	-	686	-

Approach	EB	WB	SB
HCM Control Delay, s	6.5	0	9.3
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1585	-	-	-	1038
HCM Lane V/C Ratio	0.114	-	-	-	0.184
HCM Control Delay (s)	7.6	-	-	-	9.3
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0.4	-	-	-	0.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	932	17	224	1051	271	27	63	183	222	91	58
Future Volume (veh/h)	90	932	17	224	1051	271	27	63	183	222	91	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	98	1013	18	243	1142	295	29	68	199	241	99	63
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	320	1753	782	535	1720	440	439	317	268	316	188	159
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.14	0.38	0.38	0.23	0.47	0.45	0.19	0.13	0.13	0.13	0.08	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	47.2	31.3	23.7	39.9	25.0	25.5	40.2	47.2	56.4	56.9	55.6	54.4
Ln Grp LOS	D	C	C	D	C	C	D	D	E	E	E	D
Approach Vol, veh/h		1129			1680			296			403	
Approach Delay, s/veh		32.6			27.4			52.7			56.2	
Approach LOS		C			C			D			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	19.4	20.2	49.0	31.4	13.1	26.5	60.0	20.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.1	4.1	4.0	4.1
Max Q Clear (g_c+l1), s	13.0	13.9	22.7	12.7	6.6	3.2	31.3	6.5
Green Ext Time (g_e), s	0.4	0.3	4.6	0.3	0.5	0.0	6.6	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	1.00	1.00	0.62	1.00	0.96
Prob of Max Out (p_x)	0.63	0.98	0.00	0.87	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		2344		2344		2344		2344

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		2461		4676		2461		3686

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		2086		2086		2086		943

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	241	0	243	0	29	0	98
Grp Sat Flow (s), veh/h/ln	0	2344	0	2344	0	2344	0	2344
Q Serve Time (g_s), s	0.0	11.9	0.0	10.7	0.0	1.2	0.0	4.5
Cycle Q Clear Time (g_c), s	0.0	11.9	0.0	10.7	0.0	1.2	0.0	4.5
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	316	0	535	0	439	0	320
V/C Ratio (X)	0.00	0.76	0.00	0.45	0.00	0.07	0.00	0.31
Avail Cap (c_a), veh/h	0	391	0	535	0	439	0	320
Upstream Filter (I)	0.00	1.00	0.00	0.09	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	50.0	0.0	39.9	0.0	40.1	0.0	46.7
Incr Delay (d2), s/veh	0.0	6.8	0.0	0.1	0.0	0.1	0.0	0.5
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	56.9	0.0	39.9	0.0	40.2	0.0	47.2
1st-Term Q (Q1), veh/ln	0.0	6.7	0.0	5.9	0.0	0.7	0.0	2.5
2nd-Term Q (Q2), veh/ln	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	7.3	0.0	5.9	0.0	0.7	0.0	2.6
%ile Storage Ratio (RQ%)	0.00	1.85	0.00	0.75	0.00	0.12	0.00	0.44
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	68	0	1013	0	99	0	720	0
Grp Sat Flow (s), veh/h/ln	2461	0	2338	0	2461	0	2338	0
Q Serve Time (g_s), s	3.0	0.0	20.7	0.0	4.6	0.0	28.5	0.0
Cycle Q Clear Time (g_c), s	3.0	0.0	20.7	0.0	4.6	0.0	28.5	0.0
Lane Grp Cap (c), veh/h	317	0	1753	0	188	0	1091	0
V/C Ratio (X)	0.21	0.00	0.58	0.00	0.53	0.00	0.66	0.00
Avail Cap (c_a), veh/h	410	0	1753	0	697	0	1091	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.09	0.00
Uniform Delay (d1), s/veh	46.8	0.0	29.9	0.0	53.3	0.0	24.7	0.0
Incr Delay (d2), s/veh	0.3	0.0	1.4	0.0	2.3	0.0	0.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	47.2	0.0	31.3	0.0	55.6	0.0	25.0	0.0
1st-Term Q (Q1), veh/ln	1.8	0.0	10.9	0.0	2.8	0.0	14.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.8	0.0	11.2	0.0	2.9	0.0	14.4	0.0
%ile Storage Ratio (RQ%)	0.02	0.00	0.11	0.00	0.04	0.00	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	199	0	18	0	63	0	717	0
Grp Sat Flow (s), veh/h/ln	2086	0	2086	0	2086	0	2291	0
Q Serve Time (g_s), s	11.0	0.0	0.7	0.0	3.5	0.0	29.3	0.0
Cycle Q Clear Time (g_c), s	11.0	0.0	0.7	0.0	3.5	0.0	29.3	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.41	0.00
Lane Grp Cap (c), veh/h	268	0	782	0	159	0	1069	0
V/C Ratio (X)	0.74	0.00	0.02	0.00	0.40	0.00	0.67	0.00
Avail Cap (c_a), veh/h	348	0	782	0	591	0	1069	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.09	0.00
Uniform Delay (d1), s/veh	50.4	0.0	23.6	0.0	52.8	0.0	25.2	0.0
Incr Delay (d2), s/veh	6.0	0.0	0.1	0.0	1.6	0.0	0.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	56.4	0.0	23.7	0.0	54.4	0.0	25.5	0.0
1st-Term Q (Q1), veh/ln	5.5	0.0	0.3	0.0	1.7	0.0	14.6	0.0
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.0	0.0	0.1	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	6.0	0.0	0.3	0.0	1.8	0.0	14.7	0.0
%ile Storage Ratio (RQ%)	1.01	0.00	0.00	0.00	0.46	0.00	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.5
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	152	1268	16	205	1553	401	65	101	177	547	161	130
Future Volume (veh/h)	152	1268	16	205	1553	401	65	101	177	547	161	130
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2363	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	165	1378	17	223	1688	436	71	110	192	595	175	141
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	188	2163	965	273	2318	1034	264	296	264	754	220	178
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.08	0.46	0.46	0.12	0.50	0.50	0.11	0.13	0.11	0.16	0.17	0.16
Unsig. Movement Delay												
Ln Grp Delay, s/veh	80.3	25.6	6.4	68.9	25.9	5.8	49.2	48.8	56.6	53.2	0.0	51.5
Ln Grp LOS	F	C	A	E	C	A	D	D	E	D	A	D
Approach Vol, veh/h		1560			2347			373			911	
Approach Delay, s/veh		31.1			26.2			52.9			52.6	
Approach LOS		C			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	19.2	23.3	18.0	59.5	25.0	17.5	14.0	63.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	19.0	12.0	47.0	33.0	4.0	8.0	51.0
Max Allow Headway (MAH), s	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.0
Max Q Clear (g_c+I1), s	12.7	16.6	13.1	29.0	18.0	5.3	10.7	36.2
Green Ext Time (g_e), s	0.5	0.7	0.0	6.6	1.0	0.0	0.0	9.1
Prob of Phs Call (p_c)	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Prob of Max Out (p_x)	0.53	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		4688	2344			2344	2250	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	2338			4676	1262			4676

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	2086			2086	1016			2086

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	595	223	0	0	71	165	0
Grp Sat Flow (s), veh/h/ln	0	2344	2344	0	0	2344	2250	0
Q Serve Time (g_s), s	0.0	14.6	11.1	0.0	0.0	3.3	8.7	0.0
Cycle Q Clear Time (g_c), s	0.0	14.6	11.1	0.0	0.0	3.3	8.7	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	754	273	0	0	264	188	0
V/C Ratio (X)	0.00	0.79	0.82	0.00	0.00	0.27	0.88	0.00
Avail Cap (c_a), veh/h	0	820	273	0	0	264	188	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.67	0.00
Uniform Delay (d1), s/veh	0.0	48.4	51.7	0.0	0.0	48.7	54.4	0.0
Incr Delay (d2), s/veh	0.0	4.8	17.1	0.0	0.0	0.5	25.9	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	53.2	68.9	0.0	0.0	49.2	80.3	0.0
1st-Term Q (Q1), veh/ln	0.0	8.2	6.3	0.0	0.0	1.9	4.7	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.5	1.3	0.0	0.0	0.0	1.3	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	8.7	7.6	0.0	0.0	1.9	6.1	0.0
%ile Storage Ratio (RQ%)	0.00	1.47	1.92	0.00	0.00	0.69	0.51	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	110	0	0	1378	0	0	0	1688
Grp Sat Flow (s), veh/h/ln	2338	0	0	2338	0	0	0	2338
Q Serve Time (g_s), s	5.2	0.0	0.0	27.0	0.0	0.0	0.0	34.2
Cycle Q Clear Time (g_c), s	5.2	0.0	0.0	27.0	0.0	0.0	0.0	34.2
Lane Grp Cap (c), veh/h	296	0	0	2163	0	0	0	2318
V/C Ratio (X)	0.37	0.00	0.00	0.64	0.00	0.00	0.00	0.73
Avail Cap (c_a), veh/h	390	0	0	2163	0	0	0	2318
Upstream Filter (I)	1.00	0.00	0.00	0.67	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	48.0	0.0	0.0	24.6	0.0	0.0	0.0	23.9
Incr Delay (d2), s/veh	0.8	0.0	0.0	1.0	0.0	0.0	0.0	2.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	48.8	0.0	0.0	25.6	0.0	0.0	0.0	25.9
1st-Term Q (Q1), veh/ln	2.9	0.0	0.0	13.6	0.0	0.0	0.0	17.0
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.7

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.0	0.0	0.0	13.9	0.0	0.0	0.0	17.6
%ile Storage Ratio (RQ%)	0.03	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	192	0	0	17	316	0	0	436
Grp Sat Flow (s), veh/h/ln	2086	0	0	2086	2278	0	0	2086
Q Serve Time (g_s), s	10.7	0.0	0.0	0.3	16.0	0.0	0.0	7.7
Cycle Q Clear Time (g_c), s	10.7	0.0	0.0	0.3	16.0	0.0	0.0	7.7
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.45	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	264	0	0	965	398	0	0	1034
V/C Ratio (X)	0.73	0.00	0.00	0.02	0.79	0.00	0.00	0.42
Avail Cap (c_a), veh/h	348	0	0	965	664	0	0	1034
Upstream Filter (I)	1.00	0.00	0.00	0.67	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	51.4	0.0	0.0	6.4	47.9	0.0	0.0	4.5
Incr Delay (d2), s/veh	5.2	0.0	0.0	0.0	3.6	0.0	0.0	1.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	56.6	0.0	0.0	6.4	51.5	0.0	0.0	5.8
1st-Term Q (Q1), veh/ln	5.4	0.0	0.0	0.2	8.7	0.0	0.0	6.1
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.8	0.0	0.0	0.2	9.1	0.0	0.0	6.4
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.02	0.13	0.00	0.00	0.82
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	34.3
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	11.9
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	60	75	19	69	95	9	17	180	51	11	191	91
Future Vol, veh/h	60	75	19	69	95	9	17	180	51	11	191	91
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	65	82	21	75	103	10	18	196	55	12	208	99
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.6	10.8	12.2	12.9
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	7%	100%	0%	100%	0%	4%
Vol Thru, %	73%	0%	80%	0%	91%	65%
Vol Right, %	21%	0%	20%	0%	9%	31%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	248	60	94	69	104	293
LT Vol	17	60	0	69	0	11
Through Vol	180	0	75	0	95	191
RT Vol	51	0	19	0	9	91
Lane Flow Rate	270	65	102	75	113	318
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.406	0.126	0.18	0.145	0.2	0.467
Departure Headway (Hd)	5.42	6.982	6.327	6.943	6.371	5.279
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	663	512	565	515	562	682
Service Time	3.472	4.743	4.088	4.7	4.128	3.33
HCM Lane V/C Ratio	0.407	0.127	0.181	0.146	0.201	0.466
HCM Control Delay	12.2	10.8	10.5	10.9	10.7	12.9
HCM Lane LOS	B	B	B	B	B	B
HCM 95th-tile Q	2	0.4	0.7	0.5	0.7	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	35	54	138	24	54	56	1893	243	75	1551	49
Future Volume (veh/h)	28	35	54	138	24	54	56	1893	243	75	1551	49
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461	2461
Adj Flow Rate, veh/h	30	38	59	150	26	59	61	2058	264	82	1686	53
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	298	180	152	201	271	229	397	2676	1194	172	2227	993
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.05	0.07	0.07	0.09	0.11	0.11	0.17	0.57	0.57	0.07	0.48	0.48
Unsig. Movement Delay												
Ln Grp Delay, s/veh	32.1	36.3	17.3	50.8	32.9	19.5	29.1	14.2	1.9	38.4	18.1	4.5
Ln Grp LOS	C	D	B	D	C	B	C	B	A	D	B	A
Approach Vol, veh/h		127			235			2383			1821	
Approach Delay, s/veh		26.5			41.0			13.2			18.6	
Approach LOS		C			D			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	50.8	10.0	11.0	10.0	43.0	17.9	8.0	13.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.2
Max Q Clear (g_c+l1), s	29.5	4.7	7.1	3.5	26.1	3.8	2.9	3.6
Green Ext Time (g_e), s	15.3	0.0	0.0	0.3	10.8	0.0	0.0	0.2
Prob of Phs Call (p_c)	1.00	0.84	0.97	0.99	1.00	0.75	0.49	1.00
Prob of Max Out (p_x)	0.38	1.00	1.00	0.00	0.10	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		2344	2344			2344	2344	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	4676			2461	4676			2461

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	2086			2086	2086			2086

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	82	150	0	0	61	30	0
Grp Sat Flow (s), veh/h/ln	0	2344	2344	0	0	2344	2344	0
Q Serve Time (g_s), s	0.0	2.7	5.1	0.0	0.0	1.8	0.9	0.0
Cycle Q Clear Time (g_c), s	0.0	2.7	5.1	0.0	0.0	1.8	0.9	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1313	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	172	201	0	0	397	298	0
V/C Ratio (X)	0.00	0.48	0.75	0.00	0.00	0.15	0.10	0.00
Avail Cap (c_a), veh/h	0	172	201	0	0	397	356	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	36.4	36.5	0.0	0.0	29.0	32.0	0.0
Incr Delay (d2), s/veh	0.0	2.0	14.3	0.0	0.0	0.2	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	38.4	50.8	0.0	0.0	29.1	32.1	0.0
1st-Term Q (Q1), veh/ln	0.0	1.4	2.7	0.0	0.0	0.9	0.5	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.1	0.8	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	1.5	3.5	0.0	0.0	0.9	0.5	0.0
%ile Storage Ratio (RQ%)	0.00	0.10	0.29	0.00	0.00	0.06	0.13	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	2058	0	0	38	1686	0	0	26
Grp Sat Flow (s), veh/h/ln	2338	0	0	2461	2338	0	0	2461
Q Serve Time (g_s), s	27.5	0.0	0.0	1.2	24.1	0.0	0.0	0.8
Cycle Q Clear Time (g_c), s	27.5	0.0	0.0	1.2	24.1	0.0	0.0	0.8
Lane Grp Cap (c), veh/h	2677	0	0	180	2227	0	0	271
V/C Ratio (X)	0.77	0.00	0.00	0.21	0.76	0.00	0.00	0.10
Avail Cap (c_a), veh/h	3345	0	0	978	3345	0	0	1008
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	13.4	0.0	0.0	35.7	17.5	0.0	0.0	32.7
Incr Delay (d2), s/veh	0.9	0.0	0.0	0.6	0.6	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	14.2	0.0	0.0	36.3	18.1	0.0	0.0	32.9
1st-Term Q (Q1), veh/ln	10.5	0.0	0.0	0.7	10.4	0.0	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	10.8	0.0	0.0	0.7	10.6	0.0	0.0	0.4
%ile Storage Ratio (RQ%)	0.21	0.00	0.00	0.01	0.10	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	264	0	0	59	53	0	0	59
Grp Sat Flow (s), veh/h/ln	2086	0	0	2086	2086	0	0	2086
Q Serve Time (g_s), s	2.3	0.0	0.0	1.5	0.7	0.0	0.0	1.6
Cycle Q Clear Time (g_c), s	2.3	0.0	0.0	1.5	0.7	0.0	0.0	1.6
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	1194	0	0	152	993	0	0	229
V/C Ratio (X)	0.22	0.00	0.00	0.39	0.05	0.00	0.00	0.26
Avail Cap (c_a), veh/h	1492	0	0	829	1492	0	0	854
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	1.8	0.0	0.0	15.7	4.5	0.0	0.0	18.9
Incr Delay (d2), s/veh	0.1	0.0	0.0	1.6	0.0	0.0	0.0	0.6
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	1.9	0.0	0.0	17.3	4.5	0.0	0.0	19.5
1st-Term Q (Q1), veh/ln	1.5	0.0	0.0	1.0	0.4	0.0	0.0	1.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.5	0.0	0.0	1.1	0.4	0.0	0.0	1.0
%ile Storage Ratio (RQ%)	0.13	0.00	0.00	1.11	0.04	0.00	0.00	1.03
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	17.2
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	9.9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	32	197	99	84	117	7	50	15	69	9	28	28
Future Vol, veh/h	32	197	99	84	117	7	50	15	69	9	28	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	35	214	108	91	127	8	54	16	75	10	30	30
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.4	9.7	9.6	9
HCM LOS	B	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	37%	14%	0%	100%	0%	14%
Vol Thru, %	11%	86%	0%	0%	94%	43%
Vol Right, %	51%	0%	100%	0%	6%	43%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	134	229	99	84	124	65
LT Vol	50	32	0	84	0	9
Through Vol	15	197	0	0	117	28
RT Vol	69	0	99	0	7	28
Lane Flow Rate	146	249	108	91	135	71
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.209	0.374	0.138	0.151	0.203	0.104
Departure Headway (Hd)	5.16	5.404	4.628	5.953	5.409	5.289
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	689	660	766	597	656	669
Service Time	3.243	3.186	2.409	3.744	3.199	3.387
HCM Lane V/C Ratio	0.212	0.377	0.141	0.152	0.206	0.106
HCM Control Delay	9.6	11.4	8.2	9.8	9.6	9
HCM Lane LOS	A	B	A	A	A	A
HCM 95th-tile Q	0.8	1.7	0.5	0.5	0.8	0.3

Intersection	
Int Delay, s/veh	8.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	175	26	29	0	22	4	17	26	0	2	44	189
Future Vol, veh/h	175	26	29	0	22	4	17	26	0	2	44	189
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	190	28	32	0	24	4	18	28	0	2	48	205

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	28	0	0	60	0	0	577	452	44	464	466	26
Stage 1	-	-	-	-	-	-	424	424	-	26	26	-
Stage 2	-	-	-	-	-	-	153	28	-	438	440	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1585	-	-	1544	-	-	428	503	1026	508	494	1050
Stage 1	-	-	-	-	-	-	608	587	-	992	874	-
Stage 2	-	-	-	-	-	-	849	872	-	597	578	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1585	-	-	1544	-	-	287	443	1026	439	435	1050
Mov Cap-2 Maneuver	-	-	-	-	-	-	287	443	-	439	435	-
Stage 1	-	-	-	-	-	-	535	517	-	873	874	-
Stage 2	-	-	-	-	-	-	646	872	-	497	509	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	5.8	0	16.3	11.3
HCM LOS			C	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	365	1585	-	-	1544	-	-	823
HCM Lane V/C Ratio	0.128	0.12	-	-	-	-	-	0.31
HCM Control Delay (s)	16.3	7.6	-	-	0	-	-	11.3
HCM Lane LOS	C	A	-	-	A	-	-	B
HCM 95th %tile Q(veh)	0.4	0.4	-	-	0	-	-	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	457	7	52	215	70	6	32	74	118	27	50
Future Volume (veh/h)	42	457	7	52	215	70	6	32	74	118	27	50
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	46	497	8	57	234	76	7	35	80	128	29	54
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	91	986	405	553	1484	470	229	184	144	189	138	108
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.28	0.28	0.34	0.56	0.54	0.14	0.10	0.10	0.12	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	47.0	30.1	24.5	21.3	10.2	10.6	34.6	39.0	43.4	44.2	41.2	30.1
Ln Grp LOS	D	C	C	C	B	B	C	D	D	D	D	C
Approach Vol, veh/h		551			367			122			211	
Approach Delay, s/veh		31.4			12.1			41.6			40.2	
Approach LOS		C			B			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	7	8
Case No	3.0	2.0	3.0	2.0	3.0	2.0	2.0	4.0
Phs Duration (G+Y+Rc), s	13.1	14.7	29.8	35.3	10.9	17.0	9.2	56.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	22.2	12.0	23.8	11.0	30.2	4.0	5.0	29.8
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	6.9	9.0	12.9	4.2	4.6	2.3	4.5	6.2
Green Ext Time (g_e), s	0.3	0.1	1.6	0.1	0.2	0.0	0.0	1.0
Prob of Phs Call (p_c)	1.00	0.96	1.00	0.77	1.00	0.17	0.70	1.00
Prob of Max Out (p_x)	0.00	1.00	0.00	0.04	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5	7	
Mvmt Sat Flow, veh/h		1641		1641		1641	1641	

Through Movement Data								
Assigned Mvmt	2		4		6			8
Mvmt Sat Flow, veh/h	1870		3554		1870			2655

Right-Turn Movement Data								
Assigned Mvmt	12		14		16			18
Mvmt Sat Flow, veh/h	1460		1460		1460			841

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	0	5	7	0
Lane Assignment		L (Prot)		L (Prot)		L (Prot)	L (Prot)	

Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	128	0	57	0	7	46	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	1641	0
Q Serve Time (g_s), s	0.0	7.0	0.0	2.2	0.0	0.3	2.5	0.0
Cycle Q Clear Time (g_c), s	0.0	7.0	0.0	2.2	0.0	0.3	2.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	189	0	553	0	229	91	0
V/C Ratio (X)	0.00	0.68	0.00	0.10	0.00	0.03	0.51	0.00
Avail Cap (c_a), veh/h	0	247	0	553	0	229	123	0
Upstream Filter (I)	0.00	1.00	0.00	0.98	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.5	0.0	21.2	0.0	34.6	42.7	0.0
Incr Delay (d2), s/veh	0.0	4.7	0.0	0.1	0.0	0.1	4.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	44.2	0.0	21.3	0.0	34.6	47.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.6	0.0	0.8	0.0	0.1	1.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	0.8	0.0	0.1	1.1	0.0
%ile Storage Ratio (RQ%)	0.00	0.73	0.00	0.10	0.00	0.02	0.18	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	4	0	6	0	0	8
Lane Assignment	T		T		T			T
Lanes in Grp	1	0	2	0	1	0	0	1
Grp Vol (v), veh/h	35	0	497	0	29	0	0	155
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	0	1777
Q Serve Time (g_s), s	1.6	0.0	10.9	0.0	1.4	0.0	0.0	3.9
Cycle Q Clear Time (g_c), s	1.6	0.0	10.9	0.0	1.4	0.0	0.0	3.9
Lane Grp Cap (c), veh/h	184	0	986	0	138	0	0	993
V/C Ratio (X)	0.19	0.00	0.50	0.00	0.21	0.00	0.00	0.16
Avail Cap (c_a), veh/h	487	0	986	0	648	0	0	993
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.98
Uniform Delay (d1), s/veh	38.5	0.0	28.2	0.0	40.5	0.0	0.0	9.9
Incr Delay (d2), s/veh	0.5	0.0	1.8	0.0	0.7	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	39.0	0.0	30.1	0.0	41.2	0.0	0.0	10.2
1st-Term Q (Q1), veh/ln	0.7	0.0	4.2	0.0	0.6	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.7	0.0	4.5	0.0	0.6	0.0	0.0	1.3
%ile Storage Ratio (RQ%)	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	0	18
Lane Assignment	R		R		R			T+R
Lanes in Grp	1	0	1	0	1	0	0	1
Grp Vol (v), veh/h	80	0	8	0	54	0	0	155
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	0	1719
Q Serve Time (g_s), s	4.9	0.0	0.4	0.0	2.6	0.0	0.0	4.2
Cycle Q Clear Time (g_c), s	4.9	0.0	0.4	0.0	2.6	0.0	0.0	4.2
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.49
Lane Grp Cap (c), veh/h	144	0	405	0	108	0	0	961
V/C Ratio (X)	0.56	0.00	0.02	0.00	0.50	0.00	0.00	0.16
Avail Cap (c_a), veh/h	380	0	405	0	505	0	0	961
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.98
Uniform Delay (d1), s/veh	40.0	0.0	24.4	0.0	26.5	0.0	0.0	10.2
Incr Delay (d2), s/veh	3.4	0.0	0.1	0.0	3.5	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	43.4	0.0	24.5	0.0	30.1	0.0	0.0	10.6
1st-Term Q (Q1), veh/ln	1.6	0.0	0.1	0.0	1.1	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	1.8	0.0	0.1	0.0	1.2	0.0	0.0	1.4
%ile Storage Ratio (RQ%)	0.30	0.00	0.00	0.00	0.31	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	28.2
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	43	639	6	44	306	80	8	25	118	272	42	35
Future Volume (veh/h)	43	639	6	44	306	80	8	25	118	272	42	35
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	47	695	7	48	333	87	9	27	128	296	46	38
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	414	1816	746	94	1085	446	50	221	197	444	217	179
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.26	0.51	0.51	0.06	0.31	0.31	0.03	0.12	0.10	0.14	0.23	0.21
Unsig. Movement Delay												
Ln Grp Delay, s/veh	26.2	14.4	11.2	46.9	25.5	10.1	45.7	36.4	43.3	40.0	0.0	29.7
Ln Grp LOS	C	B	B	D	C	B	D	D	D	D	A	C
Approach Vol, veh/h		749			468			164			380	
Approach Delay, s/veh		15.1			24.8			42.3			37.7	
Approach LOS		B			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	8	7
Case No	2.0	4.0	2.0	3.0	2.0	4.0	3.0	2.0
Phs Duration (G+Y+Rc), s	16.6	15.6	9.3	51.5	6.8	25.3	32.4	28.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	16.0	20.6	8.0	24.4	4.0	32.6	26.4	6.0
Max Allow Headway (MAH), s	4.1	4.3	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+I1), s	10.0	9.2	4.6	13.1	2.5	5.7	8.7	4.1
Green Ext Time (g_e), s	0.6	0.4	0.0	2.4	0.0	0.2	1.5	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.71	1.00	0.21	1.00	1.00	0.70
Prob of Max Out (p_x)	0.30	0.00	1.00	0.00	1.00	0.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1		3		5			7
Mvmt Sat Flow, veh/h	3281		1641		1641			1575

Through Movement Data								
Assigned Mvmt		2		4		6	8	
Mvmt Sat Flow, veh/h		1777		3554		947	3554	

Right-Turn Movement Data								
Assigned Mvmt		12		14		16	18	
Mvmt Sat Flow, veh/h		1585		1460		782	1460	

Left Lane Group Data								
Assigned Mvmt	1	0	3	0	5	0	0	7
Lane Assignment	L (Prot)		L (Prot)		L (Prot)			L (Prot)

Lanes in Grp	2	0	1	0	1	0	0	1
Grp Vol (v), veh/h	296	0	48	0	9	0	0	47
Grp Sat Flow (s), veh/h/ln	1641	0	1641	0	1641	0	0	1575
Q Serve Time (g_s), s	8.0	0.0	2.6	0.0	0.5	0.0	0.0	2.1
Cycle Q Clear Time (g_c), s	8.0	0.0	2.6	0.0	0.5	0.0	0.0	2.1
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	444	0	94	0	50	0	0	414
V/C Ratio (X)	0.67	0.00	0.51	0.00	0.18	0.00	0.00	0.11
Avail Cap (c_a), veh/h	635	0	176	0	106	0	0	414
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.96
Uniform Delay (d1), s/veh	38.2	0.0	42.6	0.0	44.0	0.0	0.0	26.0
Incr Delay (d2), s/veh	1.7	0.0	4.3	0.0	1.7	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	40.0	0.0	46.9	0.0	45.7	0.0	0.0	26.2
1st-Term Q (Q1), veh/ln	3.0	0.0	1.0	0.0	0.2	0.0	0.0	0.7
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.1	0.0	1.1	0.0	0.2	0.0	0.0	0.7
%ile Storage Ratio (RQ%)	0.52	0.00	0.28	0.00	0.08	0.00	0.00	0.06
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	8	0
Lane Assignment		T		T			T	
Lanes in Grp	0	1	0	2	0	0	2	0
Grp Vol (v), veh/h	0	27	0	695	0	0	333	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	1777	0	0	1777	0
Q Serve Time (g_s), s	0.0	1.3	0.0	11.1	0.0	0.0	6.7	0.0
Cycle Q Clear Time (g_c), s	0.0	1.3	0.0	11.1	0.0	0.0	6.7	0.0
Lane Grp Cap (c), veh/h	0	221	0	1816	0	0	1085	0
V/C Ratio (X)	0.00	0.12	0.00	0.38	0.00	0.00	0.31	0.00
Avail Cap (c_a), veh/h	0	432	0	1816	0	0	1085	0
Upstream Filter (I)	0.00	1.00	0.00	0.96	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	36.2	0.0	13.8	0.0	0.0	24.8	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.6	0.0	0.0	0.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	36.4	0.0	14.4	0.0	0.0	25.5	0.0
1st-Term Q (Q1), veh/ln	0.0	0.5	0.0	3.7	0.0	0.0	2.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.5	0.0	3.9	0.0	0.0	2.7	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data

Assigned Mvmt	0	12	0	14	0	16	18	0
Lane Assignment		T+R		R		T+R	R	
Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	128	0	7	0	84	87	0
Grp Sat Flow (s), veh/h/ln	0	1585	0	1460	0	1730	1460	0
Q Serve Time (g_s), s	0.0	7.2	0.0	0.2	0.0	3.7	2.5	0.0
Cycle Q Clear Time (g_c), s	0.0	7.2	0.0	0.2	0.0	3.7	2.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	0.00	1.00	0.00	0.45	1.00	0.00
Lane Grp Cap (c), veh/h	0	197	0	746	0	397	446	0
V/C Ratio (X)	0.00	0.65	0.00	0.01	0.00	0.21	0.20	0.00
Avail Cap (c_a), veh/h	0	385	0	746	0	643	446	0
Upstream Filter (I)	0.00	1.00	0.00	0.96	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.8	0.0	11.2	0.0	29.4	9.2	0.0
Incr Delay (d2), s/veh	0.0	3.6	0.0	0.0	0.0	0.3	1.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	43.3	0.0	11.2	0.0	29.7	10.1	0.0
1st-Term Q (Q1), veh/ln	0.0	2.7	0.0	0.1	0.0	1.4	1.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	0.1	0.0	1.5	1.4	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.01	0.00	0.02	0.17	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary

HCM 6th Ctrl Delay	25.1
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	46	55	15	14	41	7	20	63	27	3	50	43
Future Vol, veh/h	46	55	15	14	41	7	20	63	27	3	50	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	50	60	16	15	45	8	22	68	29	3	54	47
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.5	8.3	8.2	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	57%	0%	79%	0%	85%	52%
Vol Right, %	25%	0%	21%	0%	15%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	110	46	70	14	48	96
LT Vol	20	46	0	14	0	3
Through Vol	63	0	55	0	41	50
RT Vol	27	0	15	0	7	43
Lane Flow Rate	120	50	76	15	52	104
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.147	0.078	0.105	0.024	0.073	0.125
Departure Headway (Hd)	4.429	5.606	4.952	5.668	5.062	4.298
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	811	640	724	632	707	835
Service Time	2.45	3.336	2.682	3.4	2.794	2.32
HCM Lane V/C Ratio	0.148	0.078	0.105	0.024	0.074	0.125
HCM Control Delay	8.2	8.8	8.3	8.5	8.2	7.9
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.3	0.4	0.1	0.2	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	20	18	92	13	29	3	651	54	21	837	12
Future Volume (veh/h)	19	20	18	92	13	29	3	651	54	21	837	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	21	22	20	100	14	32	3	708	59	23	910	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	257	201	157	191	301	235	75	1160	477	179	1385	569
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.11	0.11	0.12	0.16	0.16	0.05	0.33	0.33	0.11	0.39	0.39
Unsig. Movement Delay												
Ln Grp Delay, s/veh	20.9	19.2	8.7	21.7	16.7	5.7	21.6	13.8	11.2	19.2	12.3	8.8
Ln Grp LOS	C	B	A	C	B	A	C	B	B	B	B	A
Approach Vol, veh/h		63			146			770			946	
Approach Delay, s/veh		16.4			17.7			13.7			12.4	
Approach LOS		B			B			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	5	6	7	8
Case No	3.0	2.0	3.0	2.0	2.0	3.0	1.2	3.0
Phs Duration (G+Y+Rc), s	19.3	9.1	9.0	9.5	6.2	22.3	7.0	11.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	52.5	4.0	30.5	8.0	4.0	52.5	4.0	34.5
Max Allow Headway (MAH), s	4.0	4.1	4.2	4.1	4.1	4.0	4.1	4.2
Max Q Clear (g_c+l1), s	9.9	2.6	2.5	4.7	2.1	11.9	2.6	2.5
Green Ext Time (g_e), s	3.5	0.0	0.1	0.1	0.0	4.4	0.0	0.1
Prob of Phs Call (p_c)	1.00	0.26	0.76	0.73	0.04	1.00	0.24	0.91
Prob of Max Out (p_x)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3	5		7	
Mvmt Sat Flow, veh/h		1641		1641	1641		1641	

Through Movement Data								
Assigned Mvmt	2		4			6		8
Mvmt Sat Flow, veh/h	3554		1870			3554		1870

Right-Turn Movement Data								
Assigned Mvmt	12		14			16		18
Mvmt Sat Flow, veh/h	1460		1460			1460		1460

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	5	0	7	0
Lane Assignment		L (Prot)		L (Prot)	L (Prot)		L (Pr/Pm)	

Lanes in Grp	0	1	0	1	1	0	1	0
Grp Vol (v), veh/h	0	23	0	100	3	0	21	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	1641	0	1641	0
Q Serve Time (g_s), s	0.0	0.6	0.0	2.7	0.1	0.0	0.6	0.0
Cycle Q Clear Time (g_c), s	0.0	0.6	0.0	2.7	0.1	0.0	0.6	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1252	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	179	0	191	75	0	257	0
V/C Ratio (X)	0.00	0.13	0.00	0.52	0.04	0.00	0.08	0.00
Avail Cap (c_a), veh/h	0	210	0	349	210	0	363	0
Upstream Filter (I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	18.9	0.0	19.5	21.4	0.0	20.8	0.0
Incr Delay (d2), s/veh	0.0	0.3	0.0	2.2	0.2	0.0	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	19.2	0.0	21.7	21.6	0.0	20.9	0.0
1st-Term Q (Q1), veh/ln	0.0	0.2	0.0	0.8	0.0	0.0	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.2	0.0	0.9	0.0	0.0	0.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.01	0.00	0.08	0.00	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	0	6	0	8
Lane Assignment	T		T			T		T
Lanes in Grp	2	0	1	0	0	2	0	1
Grp Vol (v), veh/h	708	0	22	0	0	910	0	14
Grp Sat Flow (s), veh/h/ln	1777	0	1870	0	0	1777	0	1870
Q Serve Time (g_s), s	7.9	0.0	0.5	0.0	0.0	9.9	0.0	0.3
Cycle Q Clear Time (g_c), s	7.9	0.0	0.5	0.0	0.0	9.9	0.0	0.3
Lane Grp Cap (c), veh/h	1160	0	201	0	0	1385	0	301
V/C Ratio (X)	0.61	0.00	0.11	0.00	0.00	0.66	0.00	0.05
Avail Cap (c_a), veh/h	4125	0	1295	0	0	4125	0	1454
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	13.3	0.0	18.9	0.0	0.0	11.8	0.0	16.7
Incr Delay (d2), s/veh	0.5	0.0	0.2	0.0	0.0	0.5	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	13.8	0.0	19.2	0.0	0.0	12.3	0.0	16.7
1st-Term Q (Q1), veh/ln	2.1	0.0	0.2	0.0	0.0	2.4	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.2	0.0	0.2	0.0	0.0	2.5	0.0	0.1
%ile Storage Ratio (RQ%)	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	14	0	0	16	0	18
Lane Assignment	R		R			R		R
Lanes in Grp	1	0	1	0	0	1	0	1
Grp Vol (v), veh/h	59	0	20	0	0	13	0	32
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	0	1460	0	1460
Q Serve Time (g_s), s	1.3	0.0	0.4	0.0	0.0	0.3	0.0	0.5
Cycle Q Clear Time (g_c), s	1.3	0.0	0.4	0.0	0.0	0.3	0.0	0.5
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	477	0	157	0	0	569	0	235
V/C Ratio (X)	0.12	0.00	0.13	0.00	0.00	0.02	0.00	0.14
Avail Cap (c_a), veh/h	1695	0	1011	0	0	1695	0	1135
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	11.1	0.0	8.3	0.0	0.0	8.8	0.0	5.4
Incr Delay (d2), s/veh	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	11.2	0.0	8.7	0.0	0.0	8.8	0.0	5.7
1st-Term Q (Q1), veh/ln	0.3	0.0	0.2	0.0	0.0	0.1	0.0	0.2
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.3	0.0	0.2	0.0	0.0	0.1	0.0	0.2
%ile Storage Ratio (RQ%)	0.03	0.00	0.17	0.00	0.00	0.00	0.00	0.24
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intersection Summary								
HCM 6th Ctrl Delay		13.4						
HCM 6th LOS		B						

Intersection	
Intersection Delay, s/veh	8.1
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	45	20	18	50	7	56	17	33	4	13	28
Future Vol, veh/h	24	45	20	18	50	7	56	17	33	4	13	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	26	49	22	20	54	8	61	18	36	4	14	30
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.2	8.2	8.1	7.4
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	35%	0%	100%	0%	9%
Vol Thru, %	16%	65%	0%	0%	88%	29%
Vol Right, %	31%	0%	100%	0%	12%	62%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	106	69	20	18	57	45
LT Vol	56	24	0	18	0	4
Through Vol	17	45	0	0	50	13
RT Vol	33	0	20	0	7	28
Lane Flow Rate	115	75	22	20	62	49
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.139	0.107	0.026	0.03	0.084	0.056
Departure Headway (Hd)	4.347	5.152	4.274	5.492	4.904	4.148
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	827	698	840	654	733	865
Service Time	2.359	2.868	1.99	3.209	2.62	2.163
HCM Lane V/C Ratio	0.139	0.107	0.026	0.031	0.085	0.057
HCM Control Delay	8.1	8.5	7.1	8.4	8.1	7.4
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.4	0.1	0.1	0.3	0.2

Intersection	
Intersection Delay, s/veh	5
Intersection LOS	A

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	77	10	13	1	0	56
Future Vol, veh/h	77	10	13	1	0	56
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	84	11	14	1	0	61
Number of Lanes	1	1	1	0	0	0

Approach	EB	WB
Opposing Approach	WB	EB
Opposing Lanes	1	2
Conflicting Approach Left		
Conflicting Lanes Left	0	0
Conflicting Approach Right		
Conflicting Lanes Right	0	0
HCM Control Delay	5	5
HCM LOS	A	A

Lane	EBLn1	EBLn2	WBLn1
Vol Left, %	100%	0%	0%
Vol Thru, %	0%	100%	93%
Vol Right, %	0%	0%	7%
Sign Control	Stop	Stop	Stop
Traffic Vol by Lane	77	10	14
LT Vol	77	0	0
Through Vol	0	10	13
RT Vol	0	0	1
Lane Flow Rate	84	11	15
Geometry Grp	0	0	0
Degree of Util (X)	0	0	0
Departure Headway (Hd)	0	0	0
Convergence, Y/N	Yes	Yes	Yes
Cap	0	0	0
Service Time	0	0	0
HCM Lane V/C Ratio	0	0	0
HCM Control Delay	5	5	5
HCM Lane LOS	N	N	N
HCM 95th-tile Q	0	0	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	457	8	63	215	70	7	36	102	118	29	50
Future Volume (veh/h)	42	457	8	63	215	70	7	36	102	118	29	50
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	46	497	9	68	234	76	8	39	111	128	32	54
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	91	986	405	518	1428	452	264	224	175	189	139	108
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.28	0.28	0.32	0.54	0.52	0.16	0.12	0.12	0.12	0.07	0.07
Unsig. Movement Delay												
Ln Grp Delay, s/veh	47.0	30.1	24.5	22.8	11.2	11.6	33.0	37.2	42.8	44.2	41.4	30.1
Ln Grp LOS	D	C	C	C	B	B	C	D	D	D	D	C
Approach Vol, veh/h		552			378			158			214	
Approach Delay, s/veh		31.4			13.5			40.9			40.2	
Approach LOS		C			B			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	7	8
Case No	3.0	2.0	3.0	2.0	3.0	2.0	2.0	4.0
Phs Duration (G+Y+Rc), s	15.1	14.7	29.8	33.4	10.9	18.9	9.2	54.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	22.2	12.0	23.8	11.0	30.2	4.0	5.0	29.8
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	8.7	9.0	12.9	4.8	4.6	2.4	4.5	6.4
Green Ext Time (g_e), s	0.4	0.1	1.6	0.1	0.2	0.0	0.0	1.0
Prob of Phs Call (p_c)	1.00	0.96	1.00	0.83	1.00	0.19	0.70	1.00
Prob of Max Out (p_x)	0.00	1.00	0.00	0.09	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5	7	
Mvmt Sat Flow, veh/h		1641		1641		1641	1641	

Through Movement Data								
Assigned Mvmt	2		4		6			8
Mvmt Sat Flow, veh/h	1870		3554		1870			2655

Right-Turn Movement Data								
Assigned Mvmt	12		14		16			18
Mvmt Sat Flow, veh/h	1460		1460		1460			841

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	0	5	7	0
Lane Assignment		L (Prot)		L (Prot)		L (Prot)	L (Prot)	

Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	128	0	68	0	8	46	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	1641	0
Q Serve Time (g_s), s	0.0	7.0	0.0	2.8	0.0	0.4	2.5	0.0
Cycle Q Clear Time (g_c), s	0.0	7.0	0.0	2.8	0.0	0.4	2.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	189	0	518	0	264	91	0
V/C Ratio (X)	0.00	0.68	0.00	0.13	0.00	0.03	0.51	0.00
Avail Cap (c_a), veh/h	0	247	0	518	0	264	123	0
Upstream Filter (I)	0.00	1.00	0.00	0.98	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.5	0.0	22.7	0.0	32.9	42.7	0.0
Incr Delay (d2), s/veh	0.0	4.7	0.0	0.1	0.0	0.0	4.3	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	44.2	0.0	22.8	0.0	33.0	47.0	0.0
1st-Term Q (Q1), veh/ln	0.0	2.6	0.0	1.0	0.0	0.1	1.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	1.0	0.0	0.1	1.1	0.0
%ile Storage Ratio (RQ%)	0.00	0.73	0.00	0.13	0.00	0.02	0.18	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	0	8
Lane Assignment	T		T		T			T
Lanes in Grp	1	0	2	0	1	0	0	1
Grp Vol (v), veh/h	39	0	497	0	32	0	0	155
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	0	1777
Q Serve Time (g_s), s	1.7	0.0	10.9	0.0	1.5	0.0	0.0	4.1
Cycle Q Clear Time (g_c), s	1.7	0.0	10.9	0.0	1.5	0.0	0.0	4.1
Lane Grp Cap (c), veh/h	224	0	986	0	139	0	0	955
V/C Ratio (X)	0.17	0.00	0.50	0.00	0.23	0.00	0.00	0.16
Avail Cap (c_a), veh/h	487	0	986	0	648	0	0	955
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.98
Uniform Delay (d1), s/veh	36.8	0.0	28.2	0.0	40.6	0.0	0.0	10.9
Incr Delay (d2), s/veh	0.4	0.0	1.8	0.0	0.8	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	37.2	0.0	30.1	0.0	41.4	0.0	0.0	11.2
1st-Term Q (Q1), veh/ln	0.7	0.0	4.2	0.0	0.6	0.0	0.0	1.3
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.8	0.0	4.5	0.0	0.7	0.0	0.0	1.4
%ile Storage Ratio (RQ%)	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	0	18
Lane Assignment	R		R		R			T+R
Lanes in Grp	1	0	1	0	1	0	0	1
Grp Vol (v), veh/h	111	0	9	0	54	0	0	155
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	0	1719
Q Serve Time (g_s), s	6.7	0.0	0.4	0.0	2.6	0.0	0.0	4.4
Cycle Q Clear Time (g_c), s	6.7	0.0	0.4	0.0	2.6	0.0	0.0	4.4
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.49
Lane Grp Cap (c), veh/h	175	0	405	0	108	0	0	924
V/C Ratio (X)	0.64	0.00	0.02	0.00	0.50	0.00	0.00	0.17
Avail Cap (c_a), veh/h	380	0	405	0	505	0	0	924
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.98
Uniform Delay (d1), s/veh	39.0	0.0	24.4	0.0	26.5	0.0	0.0	11.2
Incr Delay (d2), s/veh	3.8	0.0	0.1	0.0	3.5	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	42.8	0.0	24.5	0.0	30.1	0.0	0.0	11.6
1st-Term Q (Q1), veh/ln	2.2	0.0	0.1	0.0	1.1	0.0	0.0	1.4
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.4	0.0	0.1	0.0	1.2	0.0	0.0	1.5
%ile Storage Ratio (RQ%)	0.41	0.00	0.00	0.00	0.31	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	28.8
HCM 6th LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	52	656	7	47	313	80	9	25	118	272	42	38
Future Volume (veh/h)	52	656	7	47	313	80	9	25	118	272	42	38
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	57	713	8	51	340	87	10	27	128	296	46	41
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	414	1808	743	98	1085	446	51	221	197	444	208	186
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.26	0.51	0.51	0.06	0.31	0.31	0.03	0.12	0.10	0.14	0.23	0.21
Unsig. Movement Delay												
Ln Grp Delay, s/veh	26.4	14.7	11.3	46.7	25.6	10.1	45.7	36.4	43.3	40.0	0.0	29.8
Ln Grp LOS	C	B	B	D	C	B	D	D	D	D	A	C
Approach Vol, veh/h		778			478			165			383	
Approach Delay, s/veh		15.5			25.0			42.3			37.7	
Approach LOS		B			C			D			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	8	7
Case No	2.0	4.0	2.0	3.0	2.0	4.0	3.0	2.0
Phs Duration (G+Y+Rc), s	16.6	15.6	9.5	51.3	6.9	25.2	32.4	28.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	16.0	20.6	8.0	24.4	4.0	32.6	26.4	6.0
Max Allow Headway (MAH), s	4.1	4.3	4.1	4.0	4.1	4.2	4.1	4.1
Max Q Clear (g_c+I1), s	10.0	9.2	4.8	13.5	2.6	5.9	8.8	4.6
Green Ext Time (g_e), s	0.6	0.4	0.0	2.4	0.0	0.2	1.5	0.0
Prob of Phs Call (p_c)	1.00	1.00	0.73	1.00	0.23	1.00	1.00	0.77
Prob of Max Out (p_x)	0.30	0.00	1.00	0.00	1.00	0.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt	1		3		5			7
Mvmt Sat Flow, veh/h	3281		1641		1641			1575

Through Movement Data								
Assigned Mvmt		2		4		6	8	
Mvmt Sat Flow, veh/h		1777		3554		912	3554	

Right-Turn Movement Data								
Assigned Mvmt		12		14		16	18	
Mvmt Sat Flow, veh/h		1585		1460		813	1460	

Left Lane Group Data								
Assigned Mvmt	1	0	3	0	5	0	0	7
Lane Assignment	L (Prot)		L (Prot)		L (Prot)			L (Prot)

Lanes in Grp	2	0	1	0	1	0	0	1
Grp Vol (v), veh/h	296	0	51	0	10	0	0	57
Grp Sat Flow (s), veh/h/ln	1641	0	1641	0	1641	0	0	1575
Q Serve Time (g_s), s	8.0	0.0	2.8	0.0	0.6	0.0	0.0	2.6
Cycle Q Clear Time (g_c), s	8.0	0.0	2.8	0.0	0.6	0.0	0.0	2.6
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	444	0	98	0	51	0	0	414
V/C Ratio (X)	0.67	0.00	0.52	0.00	0.19	0.00	0.00	0.14
Avail Cap (c_a), veh/h	635	0	176	0	106	0	0	414
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.95
Uniform Delay (d1), s/veh	38.2	0.0	42.4	0.0	43.9	0.0	0.0	26.2
Incr Delay (d2), s/veh	1.7	0.0	4.3	0.0	1.8	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	40.0	0.0	46.7	0.0	45.7	0.0	0.0	26.4
1st-Term Q (Q1), veh/ln	3.0	0.0	1.1	0.0	0.2	0.0	0.0	0.9
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.1	0.0	1.2	0.0	0.2	0.0	0.0	0.9
%ile Storage Ratio (RQ%)	0.52	0.00	0.30	0.00	0.09	0.00	0.00	0.08
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	0	2	0	4	0	6	8	0
Lane Assignment		T		T			T	
Lanes in Grp	0	1	0	2	0	0	2	0
Grp Vol (v), veh/h	0	27	0	713	0	0	340	0
Grp Sat Flow (s), veh/h/ln	0	1777	0	1777	0	0	1777	0
Q Serve Time (g_s), s	0.0	1.3	0.0	11.5	0.0	0.0	6.8	0.0
Cycle Q Clear Time (g_c), s	0.0	1.3	0.0	11.5	0.0	0.0	6.8	0.0
Lane Grp Cap (c), veh/h	0	221	0	1808	0	0	1085	0
V/C Ratio (X)	0.00	0.12	0.00	0.39	0.00	0.00	0.31	0.00
Avail Cap (c_a), veh/h	0	432	0	1808	0	0	1085	0
Upstream Filter (I)	0.00	1.00	0.00	0.95	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	36.2	0.0	14.0	0.0	0.0	24.8	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.6	0.0	0.0	0.8	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	36.4	0.0	14.7	0.0	0.0	25.6	0.0
1st-Term Q (Q1), veh/ln	0.0	0.5	0.0	3.9	0.0	0.0	2.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.5	0.0	4.0	0.0	0.0	2.7	0.0
%ile Storage Ratio (RQ%)	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data

Assigned Mvmt	0	12	0	14	0	16	18	0
Lane Assignment		T+R		R		T+R	R	
Lanes in Grp	0	1	0	1	0	1	1	0
Grp Vol (v), veh/h	0	128	0	8	0	87	87	0
Grp Sat Flow (s), veh/h/ln	0	1585	0	1460	0	1724	1460	0
Q Serve Time (g_s), s	0.0	7.2	0.0	0.3	0.0	3.9	2.5	0.0
Cycle Q Clear Time (g_c), s	0.0	7.2	0.0	0.3	0.0	3.9	2.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	0.00	1.00	0.00	1.00	0.00	0.47	1.00	0.00
Lane Grp Cap (c), veh/h	0	197	0	743	0	394	446	0
V/C Ratio (X)	0.00	0.65	0.00	0.01	0.00	0.22	0.20	0.00
Avail Cap (c_a), veh/h	0	385	0	743	0	641	446	0
Upstream Filter (I)	0.00	1.00	0.00	0.95	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	39.8	0.0	11.3	0.0	29.6	9.2	0.0
Incr Delay (d2), s/veh	0.0	3.6	0.0	0.0	0.0	0.3	1.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	43.3	0.0	11.3	0.0	29.8	10.1	0.0
1st-Term Q (Q1), veh/ln	0.0	2.7	0.0	0.1	0.0	1.5	1.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	2.9	0.0	0.1	0.0	1.5	1.4	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.00	0.01	0.00	0.02	0.17	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary

HCM 6th Ctrl Delay	25.2
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	46	55	15	14	41	7	20	63	27	3	50	43
Future Vol, veh/h	46	55	15	14	41	7	20	63	27	3	50	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	50	60	16	15	45	8	22	68	29	3	54	47
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.5	8.3	8.2	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	57%	0%	79%	0%	85%	52%
Vol Right, %	25%	0%	21%	0%	15%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	110	46	70	14	48	96
LT Vol	20	46	0	14	0	3
Through Vol	63	0	55	0	41	50
RT Vol	27	0	15	0	7	43
Lane Flow Rate	120	50	76	15	52	104
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.147	0.078	0.105	0.024	0.073	0.125
Departure Headway (Hd)	4.429	5.606	4.952	5.668	5.062	4.298
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	811	640	724	632	707	835
Service Time	2.45	3.336	2.682	3.4	2.794	2.32
HCM Lane V/C Ratio	0.148	0.078	0.105	0.024	0.074	0.125
HCM Control Delay	8.2	8.8	8.3	8.5	8.2	7.9
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.3	0.4	0.1	0.2	0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	22	18	127	17	64	3	651	67	34	837	12
Future Volume (veh/h)	19	22	18	127	17	64	3	651	67	34	837	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	21	24	20	138	18	70	3	708	73	37	910	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	244	207	162	234	361	282	71	1138	467	173	1357	558
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.11	0.11	0.14	0.19	0.19	0.04	0.32	0.32	0.11	0.38	0.38
Unsig. Movement Delay												
Ln Grp Delay, s/veh	21.9	20.2	9.6	22.3	16.4	6.0	23.1	14.9	12.3	21.0	13.4	9.6
Ln Grp LOS	C	C	A	C	B	A	C	B	B	C	B	A
Approach Vol, veh/h		65			226			784			960	
Approach Delay, s/veh		17.5			16.8			14.7			13.6	
Approach LOS		B			B			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	5	6	7	8
Case No	3.0	2.0	3.0	2.0	2.0	3.0	1.2	3.0
Phs Duration (G+Y+Rc), s	19.9	9.2	9.5	11.1	6.2	23.0	7.0	13.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	52.5	4.0	30.5	8.0	4.0	52.5	4.0	34.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.1	4.1	4.0	4.1	4.3
Max Q Clear (g_c+I1), s	10.4	3.0	2.6	5.9	2.1	12.6	2.6	3.2
Green Ext Time (g_e), s	3.5	0.0	0.1	0.1	0.0	4.4	0.0	0.3
Prob of Phs Call (p_c)	1.00	0.40	0.88	0.85	0.04	1.00	0.25	0.98
Prob of Max Out (p_x)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1		3	5		7	
Mvmt Sat Flow, veh/h		1641		1641	1641		1641	

Through Movement Data								
Assigned Mvmt	2		4			6		8
Mvmt Sat Flow, veh/h	3554		1870			3554		1870

Right-Turn Movement Data								
Assigned Mvmt	12		14			16		18
Mvmt Sat Flow, veh/h	1460		1460			1460		1460

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	5	0	7	0
Lane Assignment		L (Prot)		L (Prot)	L (Prot)		L (Pr/Pm)	

Lanes in Grp	0	1	0	1	1	0	1	0
Grp Vol (v), veh/h	0	37	0	138	3	0	21	0
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	1641	0	1641	0
Q Serve Time (g_s), s	0.0	1.0	0.0	3.9	0.1	0.0	0.6	0.0
Cycle Q Clear Time (g_c), s	0.0	1.0	0.0	3.9	0.1	0.0	0.6	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1206	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	173	0	234	71	0	244	0
V/C Ratio (X)	0.00	0.21	0.00	0.59	0.04	0.00	0.09	0.00
Avail Cap (c_a), veh/h	0	198	0	329	198	0	342	0
Upstream Filter (I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	20.4	0.0	20.0	22.8	0.0	21.8	0.0
Incr Delay (d2), s/veh	0.0	0.6	0.0	2.4	0.2	0.0	0.2	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	21.0	0.0	22.3	23.1	0.0	21.9	0.0
1st-Term Q (Q1), veh/ln	0.0	0.3	0.0	1.2	0.0	0.0	0.2	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.3	0.0	1.3	0.0	0.0	0.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.02	0.00	0.11	0.00	0.00	0.05	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	0	6	0	8
Lane Assignment	T		T			T		T
Lanes in Grp	2	0	1	0	0	2	0	1
Grp Vol (v), veh/h	708	0	24	0	0	910	0	18
Grp Sat Flow (s), veh/h/ln	1777	0	1870	0	0	1777	0	1870
Q Serve Time (g_s), s	8.4	0.0	0.6	0.0	0.0	10.6	0.0	0.4
Cycle Q Clear Time (g_c), s	8.4	0.0	0.6	0.0	0.0	10.6	0.0	0.4
Lane Grp Cap (c), veh/h	1138	0	207	0	0	1357	0	361
V/C Ratio (X)	0.62	0.00	0.12	0.00	0.00	0.67	0.00	0.05
Avail Cap (c_a), veh/h	3888	0	1220	0	0	3888	0	1371
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	14.4	0.0	19.9	0.0	0.0	12.8	0.0	16.4
Incr Delay (d2), s/veh	0.6	0.0	0.2	0.0	0.0	0.6	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	14.9	0.0	20.2	0.0	0.0	13.4	0.0	16.4
1st-Term Q (Q1), veh/ln	2.4	0.0	0.2	0.0	0.0	2.8	0.0	0.1
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	2.5	0.0	0.2	0.0	0.0	2.9	0.0	0.1
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	0	16	0	18
Lane Assignment	R		R			R		R
Lanes in Grp	1	0	1	0	0	1	0	1
Grp Vol (v), veh/h	73	0	20	0	0	13	0	70
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	0	1460	0	1460
Q Serve Time (g_s), s	1.8	0.0	0.4	0.0	0.0	0.3	0.0	1.2
Cycle Q Clear Time (g_c), s	1.8	0.0	0.4	0.0	0.0	0.3	0.0	1.2
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	467	0	162	0	0	558	0	282
V/C Ratio (X)	0.16	0.00	0.12	0.00	0.00	0.02	0.00	0.25
Avail Cap (c_a), veh/h	1597	0	953	0	0	1597	0	1070
Upstream Filter (I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	12.1	0.0	9.2	0.0	0.0	9.6	0.0	5.6
Incr Delay (d2), s/veh	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.5
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	12.3	0.0	9.6	0.0	0.0	9.6	0.0	6.0
1st-Term Q (Q1), veh/ln	0.4	0.0	0.2	0.0	0.0	0.1	0.0	0.5
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.4	0.0	0.2	0.0	0.0	0.1	0.0	0.5
%ile Storage Ratio (RQ%)	0.04	0.00	0.18	0.00	0.00	0.01	0.00	0.55
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	14.5
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	8.6
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	70	23	18	123	8	57	17	34	5	13	28
Future Vol, veh/h	24	70	23	18	123	8	57	17	34	5	13	28
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	26	76	25	20	134	9	62	18	37	5	14	30
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.5	8.9	8.5	7.8
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	26%	0%	100%	0%	11%
Vol Thru, %	16%	74%	0%	0%	94%	28%
Vol Right, %	31%	0%	100%	0%	6%	61%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	108	94	23	18	131	46
LT Vol	57	24	0	18	0	5
Through Vol	17	70	0	0	123	13
RT Vol	34	0	23	0	8	28
Lane Flow Rate	117	102	25	20	142	50
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.151	0.148	0.03	0.03	0.198	0.062
Departure Headway (Hd)	4.621	5.205	4.373	5.546	5	4.447
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	776	689	818	646	718	805
Service Time	2.648	2.937	2.104	3.277	2.731	2.48
HCM Lane V/C Ratio	0.151	0.148	0.031	0.031	0.198	0.062
HCM Control Delay	8.5	8.8	7.2	8.4	9	7.8
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.5	0.1	0.1	0.7	0.2

Intersection	
Int Delay, s/veh	6.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	90	10	0	0	13	1	0	0	0	0	0	61
Future Vol, veh/h	90	10	0	0	13	1	0	0	0	0	0	61
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	98	11	0	0	14	1	0	0	0	0	0	66

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	15	0	0	11	0	0	255	222	11	222	222	15
Stage 1	-	-	-	-	-	-	207	207	-	15	15	-
Stage 2	-	-	-	-	-	-	48	15	-	207	207	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1603	-	-	1608	-	-	698	677	1070	734	677	1065
Stage 1	-	-	-	-	-	-	795	731	-	1005	883	-
Stage 2	-	-	-	-	-	-	965	883	-	795	731	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1603	-	-	1608	-	-	624	636	1070	700	636	1065
Mov Cap-2 Maneuver	-	-	-	-	-	-	624	636	-	700	636	-
Stage 1	-	-	-	-	-	-	747	686	-	944	883	-
Stage 2	-	-	-	-	-	-	905	883	-	746	686	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6.7	0	0	8.6
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1603	-	-	1608	-	-	1065
HCM Lane V/C Ratio	-	0.061	-	-	-	-	-	0.062
HCM Control Delay (s)	0	7.4	-	-	0	-	-	8.6
HCM Lane LOS	A	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0.2	-	-	0	-	-	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	54	591	9	67	278	91	8	41	96	153	35	65
Future Volume (veh/h)	54	591	9	67	278	91	8	41	96	153	35	65
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	59	642	10	73	302	99	9	45	104	166	38	71
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	269	1333	547	419	1234	397	252	195	152	217	155	121
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.16	0.38	0.38	0.26	0.47	0.45	0.15	0.10	0.10	0.13	0.08	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	43.9	29.9	23.7	35.0	19.9	20.4	43.3	49.9	57.2	59.8	52.3	57.5
Ln Grp LOS	D	C	C	D	B	C	D	D	E	E	D	E
Approach Vol, veh/h		711			474			158			275	
Approach Delay, s/veh		30.9			22.4			54.3			58.2	
Approach LOS		C			C			D			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	16.5	19.9	49.0	34.6	14.0	22.4	60.0	23.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	10.2	13.7	18.5	6.2	7.6	2.6	10.5	5.7
Green Ext Time (g_e), s	0.3	0.2	2.7	0.1	0.3	0.0	1.4	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.91	1.00	0.26	1.00	0.86
Prob of Max Out (p_x)	0.06	0.86	0.00	0.00	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		1641		1641		1641		1641

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2644

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		850

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	166	0	73	0	9	0	59
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1641
Q Serve Time (g_s), s	0.0	11.7	0.0	4.2	0.0	0.6	0.0	3.7
Cycle Q Clear Time (g_c), s	0.0	11.7	0.0	4.2	0.0	0.6	0.0	3.7
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	217	0	419	0	252	0	269
V/C Ratio (X)	0.00	0.77	0.00	0.17	0.00	0.04	0.00	0.22
Avail Cap (c_a), veh/h	0	273	0	419	0	252	0	269
Upstream Filter (I)	0.00	1.00	0.00	0.98	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	50.3	0.0	34.8	0.0	43.2	0.0	43.5
Incr Delay (d2), s/veh	0.0	9.6	0.0	0.2	0.0	0.1	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	59.8	0.0	35.0	0.0	43.3	0.0	43.9
1st-Term Q (Q1), veh/ln	0.0	4.6	0.0	1.6	0.0	0.2	0.0	1.5
2nd-Term Q (Q2), veh/ln	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	5.2	0.0	1.6	0.0	0.2	0.0	1.5
%ile Storage Ratio (RQ%)	0.00	1.32	0.00	0.20	0.00	0.04	0.00	0.25
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	45	0	642	0	38	0	201	0
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	1777	0
Q Serve Time (g_s), s	2.7	0.0	16.5	0.0	2.3	0.0	8.2	0.0
Cycle Q Clear Time (g_c), s	2.7	0.0	16.5	0.0	2.3	0.0	8.2	0.0
Lane Grp Cap (c), veh/h	195	0	1333	0	155	0	829	0
V/C Ratio (X)	0.23	0.00	0.48	0.00	0.24	0.00	0.24	0.00
Avail Cap (c_a), veh/h	312	0	1333	0	530	0	829	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.98	0.00
Uniform Delay (d1), s/veh	49.3	0.0	28.6	0.0	51.5	0.0	19.2	0.0
Incr Delay (d2), s/veh	0.6	0.0	1.2	0.0	0.8	0.0	0.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	49.9	0.0	29.9	0.0	52.3	0.0	19.9	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	6.6	0.0	1.0	0.0	3.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.2	0.0	6.8	0.0	1.1	0.0	3.3	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.07	0.00	0.02	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	104	0	10	0	71	0	200	0
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	1717	0
Q Serve Time (g_s), s	8.2	0.0	0.5	0.0	5.6	0.0	8.5	0.0
Cycle Q Clear Time (g_c), s	8.2	0.0	0.5	0.0	5.6	0.0	8.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.50	0.00
Lane Grp Cap (c), veh/h	152	0	547	0	121	0	801	0
V/C Ratio (X)	0.68	0.00	0.02	0.00	0.59	0.00	0.25	0.00
Avail Cap (c_a), veh/h	243	0	547	0	414	0	801	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.98	0.00
Uniform Delay (d1), s/veh	51.8	0.0	23.6	0.0	53.0	0.0	19.6	0.0
Incr Delay (d2), s/veh	5.3	0.0	0.1	0.0	4.4	0.0	0.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	57.2	0.0	23.7	0.0	57.5	0.0	20.4	0.0
1st-Term Q (Q1), veh/ln	2.9	0.0	0.2	0.0	2.0	0.0	3.2	0.0
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.1	0.0	0.2	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	3.1	0.0	0.2	0.0	2.1	0.0	3.3	0.0
%ile Storage Ratio (RQ%)	0.53	0.00	0.00	0.00	0.54	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	35.4
HCM 6th LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	826	8	57	396	103	10	32	153	352	54	45
Future Volume (veh/h)	56	826	8	57	396	103	10	32	153	352	54	45
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	61	898	9	62	430	112	11	35	166	383	59	49
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	101	1820	748	104	1817	747	319	243	217	507	91	76
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.51	0.51	0.06	0.51	0.51	0.19	0.14	0.12	0.15	0.10	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	59.9	20.0	2.3	60.0	16.6	4.0	39.2	45.9	61.2	51.2	0.0	56.8
Ln Grp LOS	E	B	A	E	B	A	D	D	E	D	A	E
Approach Vol, veh/h		968			604			212			491	
Approach Delay, s/veh		22.3			18.7			57.6			52.5	
Approach LOS		C			B			E			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	20.4	22.5	11.6	65.4	15.6	27.4	11.7	65.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	25.0	8.0	45.0	39.0	4.0	10.0	43.0
Max Allow Headway (MAH), s	4.3	4.1	4.1	4.0	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	14.2	15.4	6.4	21.8	9.2	2.7	6.5	10.1
Green Ext Time (g_e), s	0.2	1.1	0.0	4.1	0.3	0.0	0.0	2.2
Prob of Phs Call (p_c)	1.00	1.00	0.87	1.00	1.00	0.31	0.87	1.00
Prob of Max Out (p_x)	1.00	0.06	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		3281	1641			1641	1575	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	1777			3554	945			3554

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1585			1460	785			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	383	62	0	0	11	61	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1575	0
Q Serve Time (g_s), s	0.0	13.4	4.4	0.0	0.0	0.7	4.5	0.0
Cycle Q Clear Time (g_c), s	0.0	13.4	4.4	0.0	0.0	0.7	4.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	507	104	0	0	319	101	0
V/C Ratio (X)	0.00	0.76	0.60	0.00	0.00	0.03	0.60	0.00
Avail Cap (c_a), veh/h	0	738	137	0	0	319	158	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.92	0.00
Uniform Delay (d1), s/veh	0.0	48.6	54.7	0.0	0.0	39.2	54.7	0.0
Incr Delay (d2), s/veh	0.0	2.6	5.3	0.0	0.0	0.0	5.2	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	51.2	60.0	0.0	0.0	39.2	59.9	0.0
1st-Term Q (Q1), veh/ln	0.0	5.2	1.8	0.0	0.0	0.3	1.7	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	5.4	1.9	0.0	0.0	0.3	1.9	0.0
%ile Storage Ratio (RQ%)	0.00	0.92	0.48	0.00	0.00	0.09	0.16	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	35	0	0	898	0	0	0	430
Grp Sat Flow (s), veh/h/ln	1777	0	0	1777	0	0	0	1777
Q Serve Time (g_s), s	2.1	0.0	0.0	19.8	0.0	0.0	0.0	8.1
Cycle Q Clear Time (g_c), s	2.1	0.0	0.0	19.8	0.0	0.0	0.0	8.1
Lane Grp Cap (c), veh/h	243	0	0	1820	0	0	0	1817
V/C Ratio (X)	0.14	0.00	0.00	0.49	0.00	0.00	0.00	0.24
Avail Cap (c_a), veh/h	296	0	0	1820	0	0	0	1817
Upstream Filter (I)	1.00	0.00	0.00	0.92	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	45.6	0.0	0.0	19.1	0.0	0.0	0.0	16.3
Incr Delay (d2), s/veh	0.3	0.0	0.0	0.9	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	45.9	0.0	0.0	20.0	0.0	0.0	0.0	16.6
1st-Term Q (Q1), veh/ln	0.9	0.0	0.0	7.4	0.0	0.0	0.0	3.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.9	0.0	0.0	7.6	0.0	0.0	0.0	3.1
%ile Storage Ratio (RQ%)	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	166	0	0	9	108	0	0	112
Grp Sat Flow (s), veh/h/ln	1585	0	0	1460	1729	0	0	1460
Q Serve Time (g_s), s	12.2	0.0	0.0	0.1	7.2	0.0	0.0	2.3
Cycle Q Clear Time (g_c), s	12.2	0.0	0.0	0.1	7.2	0.0	0.0	2.3
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.45	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	217	0	0	748	167	0	0	747
V/C Ratio (X)	0.77	0.00	0.00	0.01	0.65	0.00	0.00	0.15
Avail Cap (c_a), veh/h	264	0	0	748	591	0	0	747
Upstream Filter (I)	1.00	0.00	0.00	0.92	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	50.9	0.0	0.0	2.3	52.7	0.0	0.0	3.6
Incr Delay (d2), s/veh	10.3	0.0	0.0	0.0	4.2	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	61.2	0.0	0.0	2.3	56.8	0.0	0.0	4.0
1st-Term Q (Q1), veh/ln	4.7	0.0	0.0	0.1	3.0	0.0	0.0	1.4
2nd-Term Q (Q2), veh/ln	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.3	0.0	0.0	0.1	3.2	0.0	0.0	1.5
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.01	0.05	0.00	0.00	0.19
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	31.2
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.7
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	59	71	19	18	53	9	26	81	35	4	65	56
Future Vol, veh/h	59	71	19	18	53	9	26	81	35	4	65	56
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	64	77	21	20	58	10	28	88	38	4	71	61
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.9	8.6	8.8	8.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	57%	0%	79%	0%	85%	52%
Vol Right, %	25%	0%	21%	0%	15%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	142	59	90	18	62	125
LT Vol	26	59	0	18	0	4
Through Vol	81	0	71	0	53	65
RT Vol	35	0	19	0	9	56
Lane Flow Rate	154	64	98	20	67	136
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.198	0.103	0.14	0.032	0.099	0.17
Departure Headway (Hd)	4.622	5.801	5.148	5.889	5.282	4.498
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	775	616	694	606	676	795
Service Time	2.66	3.551	2.898	3.643	3.036	2.537
HCM Lane V/C Ratio	0.199	0.104	0.141	0.033	0.099	0.171
HCM Control Delay	8.8	9.2	8.7	8.8	8.6	8.5
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.7	0.3	0.5	0.1	0.3	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	26	23	119	17	37	4	842	70	27	1082	16
Future Volume (veh/h)	25	26	23	119	17	37	4	842	70	27	1082	16
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	27	28	25	129	18	40	4	915	76	29	1176	17
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	348	184	144	204	304	237	65	1327	545	197	1612	662
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.10	0.10	0.12	0.16	0.16	0.04	0.37	0.37	0.12	0.45	0.45
Unsig. Movement Delay												
Ln Grp Delay, s/veh	20.4	23.6	12.6	29.7	20.0	7.7	26.4	15.5	2.6	22.5	13.2	2.1
Ln Grp LOS	C	C	B	C	C	A	C	B	A	C	B	A
Approach Vol, veh/h		80			187			995			1222	
Approach Delay, s/veh		19.1			24.0			14.6			13.3	
Approach LOS		B			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	25.0	10.8	11.0	9.5	29.5	6.2	7.4	13.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.2
Max Q Clear (g_c+l1), s	14.2	2.9	6.2	2.8	17.2	2.1	2.8	2.8
Green Ext Time (g_e), s	4.8	0.0	0.0	0.1	6.3	0.0	0.0	0.2
Prob of Phs Call (p_c)	1.00	0.36	0.87	0.88	1.00	0.06	0.34	0.98
Prob of Max Out (p_x)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	29	129	0	0	4	27	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	0.9	4.2	0.0	0.0	0.1	0.8	0.0
Cycle Q Clear Time (g_c), s	0.0	0.9	4.2	0.0	0.0	0.1	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1239	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	197	204	0	0	65	348	0
V/C Ratio (X)	0.00	0.15	0.63	0.00	0.00	0.06	0.08	0.00
Avail Cap (c_a), veh/h	0	197	204	0	0	175	424	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	22.2	23.4	0.0	0.0	26.0	20.3	0.0
Incr Delay (d2), s/veh	0.0	0.3	6.2	0.0	0.0	0.4	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	22.5	29.7	0.0	0.0	26.4	20.4	0.0
1st-Term Q (Q1), veh/ln	0.0	0.3	1.4	0.0	0.0	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.3	1.7	0.0	0.0	0.1	0.3	0.0
%ile Storage Ratio (RQ%)	0.00	0.02	0.14	0.00	0.00	0.00	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	915	0	0	28	1176	0	0	18
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	12.2	0.0	0.0	0.8	15.2	0.0	0.0	0.5
Cycle Q Clear Time (g_c), s	12.2	0.0	0.0	0.8	15.2	0.0	0.0	0.5
Lane Grp Cap (c), veh/h	1327	0	0	184	1612	0	0	304
V/C Ratio (X)	0.69	0.00	0.00	0.15	0.73	0.00	0.00	0.06
Avail Cap (c_a), veh/h	3691	0	0	1079	3691	0	0	1112
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	14.9	0.0	0.0	23.2	12.6	0.0	0.0	19.9
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.4	0.6	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	15.5	0.0	0.0	23.6	13.2	0.0	0.0	20.0
1st-Term Q (Q1), veh/ln	3.6	0.0	0.0	0.3	4.0	0.0	0.0	0.2
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.7	0.0	0.0	0.3	4.1	0.0	0.0	0.2
%ile Storage Ratio (RQ%)	0.07	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	76	0	0	25	17	0	0	40
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	0.9	0.0	0.0	0.6	0.2	0.0	0.0	0.8
Cycle Q Clear Time (g_c), s	0.9	0.0	0.0	0.6	0.2	0.0	0.0	0.8
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	545	0	0	144	662	0	0	237
V/C Ratio (X)	0.14	0.00	0.00	0.17	0.03	0.00	0.00	0.17
Avail Cap (c_a), veh/h	1516	0	0	842	1516	0	0	868
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	2.5	0.0	0.0	12.1	2.1	0.0	0.0	7.4
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.6	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	2.6	0.0	0.0	12.6	2.1	0.0	0.0	7.7
1st-Term Q (Q1), veh/ln	0.4	0.0	0.0	0.3	0.1	0.0	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.5	0.0	0.0	0.3	0.1	0.0	0.0	0.4
%ile Storage Ratio (RQ%)	0.04	0.00	0.00	0.28	0.01	0.00	0.00	0.39
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	14.8
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	8.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	31	58	26	23	65	9	72	22	43	5	17	36
Future Vol, veh/h	31	58	26	23	65	9	72	22	43	5	17	36
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	63	28	25	71	10	78	24	47	5	18	39
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.5	8.4	8.6	7.7
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	35%	0%	100%	0%	9%
Vol Thru, %	16%	65%	0%	0%	88%	29%
Vol Right, %	31%	0%	100%	0%	12%	62%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	137	89	26	23	74	58
LT Vol	72	31	0	23	0	5
Through Vol	22	58	0	0	65	17
RT Vol	43	0	26	0	9	36
Lane Flow Rate	149	97	28	25	80	63
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.186	0.142	0.035	0.039	0.113	0.076
Departure Headway (Hd)	4.498	5.299	4.419	5.644	5.055	4.33
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	798	677	809	635	709	827
Service Time	2.522	3.031	2.151	3.377	2.788	2.359
HCM Lane V/C Ratio	0.187	0.143	0.035	0.039	0.113	0.076
HCM Control Delay	8.6	8.9	7.3	8.6	8.4	7.7
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.7	0.5	0.1	0.1	0.4	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	54	591	10	78	278	91	9	45	124	153	37	65
Future Volume (veh/h)	54	591	10	78	278	91	9	45	124	153	37	65
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	59	642	11	85	302	99	10	49	135	166	40	71
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	235	1333	547	385	1234	397	285	233	182	217	155	121
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.14	0.38	0.38	0.23	0.47	0.45	0.17	0.12	0.12	0.13	0.08	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	46.2	29.9	23.7	37.3	19.9	20.4	41.3	47.6	58.7	59.8	52.4	57.5
Ln Grp LOS	D	C	C	D	B	C	D	D	E	E	D	E
Approach Vol, veh/h		712			486			194			277	
Approach Delay, s/veh		31.1			23.1			55.0			58.2	
Approach LOS		C			C			D			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	19.0	19.9	49.0	32.2	14.0	24.9	60.0	21.2
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	12.7	13.7	18.5	7.0	7.6	2.6	10.5	5.8
Green Ext Time (g_e), s	0.3	0.2	2.8	0.1	0.3	0.0	1.4	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.94	1.00	0.28	1.00	0.86
Prob of Max Out (p_x)	0.47	0.86	0.00	0.00	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		1641		1641		1641		1641

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2644

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		850

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	166	0	85	0	10	0	59
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1641
Q Serve Time (g_s), s	0.0	11.7	0.0	5.0	0.0	0.6	0.0	3.8
Cycle Q Clear Time (g_c), s	0.0	11.7	0.0	5.0	0.0	0.6	0.0	3.8
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	217	0	385	0	285	0	235
V/C Ratio (X)	0.00	0.77	0.00	0.22	0.00	0.04	0.00	0.25
Avail Cap (c_a), veh/h	0	273	0	385	0	285	0	235
Upstream Filter (I)	0.00	1.00	0.00	0.97	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	50.3	0.0	37.0	0.0	41.2	0.0	45.7
Incr Delay (d2), s/veh	0.0	9.6	0.0	0.3	0.0	0.0	0.0	0.6
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	59.8	0.0	37.3	0.0	41.3	0.0	46.2
1st-Term Q (Q1), veh/ln	0.0	4.6	0.0	1.9	0.0	0.2	0.0	1.5
2nd-Term Q (Q2), veh/ln	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	5.2	0.0	2.0	0.0	0.2	0.0	1.5
%ile Storage Ratio (RQ%)	0.00	1.32	0.00	0.25	0.00	0.04	0.00	0.26
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	49	0	642	0	40	0	201	0
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	1777	0
Q Serve Time (g_s), s	2.8	0.0	16.5	0.0	2.4	0.0	8.2	0.0
Cycle Q Clear Time (g_c), s	2.8	0.0	16.5	0.0	2.4	0.0	8.2	0.0
Lane Grp Cap (c), veh/h	233	0	1333	0	155	0	829	0
V/C Ratio (X)	0.21	0.00	0.48	0.00	0.26	0.00	0.24	0.00
Avail Cap (c_a), veh/h	312	0	1333	0	530	0	829	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.97	0.00
Uniform Delay (d1), s/veh	47.2	0.0	28.6	0.0	51.6	0.0	19.2	0.0
Incr Delay (d2), s/veh	0.4	0.0	1.2	0.0	0.9	0.0	0.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	47.6	0.0	29.9	0.0	52.4	0.0	19.9	0.0
1st-Term Q (Q1), veh/ln	1.3	0.0	6.6	0.0	1.1	0.0	3.1	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.3	0.0	6.8	0.0	1.1	0.0	3.3	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.07	0.00	0.02	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	135	0	11	0	71	0	200	0
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	1717	0
Q Serve Time (g_s), s	10.7	0.0	0.6	0.0	5.6	0.0	8.5	0.0
Cycle Q Clear Time (g_c), s	10.7	0.0	0.6	0.0	5.6	0.0	8.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.50	0.00
Lane Grp Cap (c), veh/h	182	0	547	0	121	0	801	0
V/C Ratio (X)	0.74	0.00	0.02	0.00	0.59	0.00	0.25	0.00
Avail Cap (c_a), veh/h	243	0	547	0	414	0	801	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.97	0.00
Uniform Delay (d1), s/veh	50.6	0.0	23.6	0.0	53.0	0.0	19.6	0.0
Incr Delay (d2), s/veh	8.0	0.0	0.1	0.0	4.4	0.0	0.7	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	58.7	0.0	23.7	0.0	57.5	0.0	20.4	0.0
1st-Term Q (Q1), veh/ln	3.7	0.0	0.2	0.0	2.0	0.0	3.2	0.0
2nd-Term Q (Q2), veh/ln	0.4	0.0	0.0	0.0	0.1	0.0	0.2	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	4.1	0.0	0.2	0.0	2.1	0.0	3.3	0.0
%ile Storage Ratio (RQ%)	0.70	0.00	0.00	0.00	0.54	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	36.1
HCM 6th LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	843	9	60	403	103	11	32	153	352	54	48
Future Volume (veh/h)	65	843	9	60	403	103	11	32	153	352	54	48
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	71	916	10	65	438	112	12	35	166	383	59	52
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	113	1812	744	108	1790	735	316	243	217	507	90	80
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.07	0.51	0.51	0.07	0.50	0.50	0.19	0.14	0.12	0.15	0.10	0.08
Unsig. Movement Delay												
Ln Grp Delay, s/veh	59.3	20.3	2.4	59.9	17.2	4.2	39.4	45.9	61.2	51.2	0.0	56.8
Ln Grp LOS	E	C	A	E	B	A	D	D	E	D	A	E
Approach Vol, veh/h		997			615			213			494	
Approach Delay, s/veh		22.9			19.3			57.5			52.5	
Approach LOS		C			B			E			D	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	4.0	2.0	2.0	3.0	4.0	2.0	2.0	3.0
Phs Duration (G+Y+Rc), s	20.4	22.5	11.9	65.2	15.8	27.1	12.6	64.5
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	25.0	8.0	45.0	39.0	4.0	10.0	43.0
Max Allow Headway (MAH), s	4.3	4.1	4.1	4.0	4.2	4.1	4.1	4.1
Max Q Clear (g_c+I1), s	14.2	15.4	6.6	22.4	9.5	2.7	7.3	10.4
Green Ext Time (g_e), s	0.2	1.1	0.0	4.2	0.3	0.0	0.0	2.3
Prob of Phs Call (p_c)	1.00	1.00	0.89	1.00	1.00	0.33	0.91	1.00
Prob of Max Out (p_x)	1.00	0.06	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		3281	1641			1641	1575	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	1777			3554	917			3554

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1585			1460	808			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L (Prot)	

Lanes in Grp	0	2	1	0	0	1	1	0
Grp Vol (v), veh/h	0	383	65	0	0	12	71	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1575	0
Q Serve Time (g_s), s	0.0	13.4	4.6	0.0	0.0	0.7	5.3	0.0
Cycle Q Clear Time (g_c), s	0.0	13.4	4.6	0.0	0.0	0.7	5.3	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	507	108	0	0	316	113	0
V/C Ratio (X)	0.00	0.76	0.60	0.00	0.00	0.04	0.63	0.00
Avail Cap (c_a), veh/h	0	738	137	0	0	316	158	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	0.91	0.00
Uniform Delay (d1), s/veh	0.0	48.6	54.5	0.0	0.0	39.4	54.1	0.0
Incr Delay (d2), s/veh	0.0	2.6	5.3	0.0	0.0	0.0	5.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	51.2	59.9	0.0	0.0	39.4	59.3	0.0
1st-Term Q (Q1), veh/ln	0.0	5.2	1.8	0.0	0.0	0.3	2.0	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	5.4	2.0	0.0	0.0	0.3	2.2	0.0
%ile Storage Ratio (RQ%)	0.00	0.92	0.51	0.00	0.00	0.10	0.18	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T				T
Lanes in Grp	1	0	0	2	0	0	0	2
Grp Vol (v), veh/h	35	0	0	916	0	0	0	438
Grp Sat Flow (s), veh/h/ln	1777	0	0	1777	0	0	0	1777
Q Serve Time (g_s), s	2.1	0.0	0.0	20.4	0.0	0.0	0.0	8.4
Cycle Q Clear Time (g_c), s	2.1	0.0	0.0	20.4	0.0	0.0	0.0	8.4
Lane Grp Cap (c), veh/h	243	0	0	1812	0	0	0	1790
V/C Ratio (X)	0.14	0.00	0.00	0.51	0.00	0.00	0.00	0.24
Avail Cap (c_a), veh/h	296	0	0	1812	0	0	0	1790
Upstream Filter (I)	1.00	0.00	0.00	0.91	0.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	45.6	0.0	0.0	19.4	0.0	0.0	0.0	16.9
Incr Delay (d2), s/veh	0.3	0.0	0.0	0.9	0.0	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	45.9	0.0	0.0	20.3	0.0	0.0	0.0	17.2
1st-Term Q (Q1), veh/ln	0.9	0.0	0.0	7.6	0.0	0.0	0.0	3.1
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.9	0.0	0.0	7.8	0.0	0.0	0.0	3.2
%ile Storage Ratio (RQ%)	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.01
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	T+R			R	T+R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	166	0	0	10	111	0	0	112
Grp Sat Flow (s), veh/h/ln	1585	0	0	1460	1725	0	0	1460
Q Serve Time (g_s), s	12.2	0.0	0.0	0.2	7.5	0.0	0.0	2.4
Cycle Q Clear Time (g_c), s	12.2	0.0	0.0	0.2	7.5	0.0	0.0	2.4
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	0.47	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	217	0	0	744	170	0	0	735
V/C Ratio (X)	0.77	0.00	0.00	0.01	0.65	0.00	0.00	0.15
Avail Cap (c_a), veh/h	264	0	0	744	589	0	0	735
Upstream Filter (I)	1.00	0.00	0.00	0.91	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	50.9	0.0	0.0	2.4	52.6	0.0	0.0	3.8
Incr Delay (d2), s/veh	10.3	0.0	0.0	0.0	4.2	0.0	0.0	0.4
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	61.2	0.0	0.0	2.4	56.8	0.0	0.0	4.2
1st-Term Q (Q1), veh/ln	4.7	0.0	0.0	0.1	3.1	0.0	0.0	1.4
2nd-Term Q (Q2), veh/ln	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	5.3	0.0	0.0	0.1	3.3	0.0	0.0	1.5
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.01	0.05	0.00	0.00	0.19
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	31.4
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	8.7
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	59	71	19	18	53	9	26	81	35	4	65	56
Future Vol, veh/h	59	71	19	18	53	9	26	81	35	4	65	56
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	64	77	21	20	58	10	28	88	38	4	71	61
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.9	8.6	8.8	8.5
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	57%	0%	79%	0%	85%	52%
Vol Right, %	25%	0%	21%	0%	15%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	142	59	90	18	62	125
LT Vol	26	59	0	18	0	4
Through Vol	81	0	71	0	53	65
RT Vol	35	0	19	0	9	56
Lane Flow Rate	154	64	98	20	67	136
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.198	0.103	0.14	0.032	0.099	0.17
Departure Headway (Hd)	4.622	5.801	5.148	5.889	5.282	4.498
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	775	616	694	606	676	795
Service Time	2.66	3.551	2.898	3.643	3.036	2.537
HCM Lane V/C Ratio	0.199	0.104	0.141	0.033	0.099	0.171
HCM Control Delay	8.8	9.2	8.7	8.8	8.6	8.5
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.7	0.3	0.5	0.1	0.3	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	28	23	154	21	72	4	842	83	40	1082	16
Future Volume (veh/h)	25	28	23	154	21	72	4	842	83	40	1082	16
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	27	30	25	167	23	78	4	915	90	43	1176	17
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	346	191	149	203	310	242	65	1328	545	195	1609	661
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.10	0.10	0.12	0.17	0.17	0.04	0.37	0.37	0.12	0.45	0.45
Unsig. Movement Delay												
Ln Grp Delay, s/veh	20.3	23.6	12.6	47.5	20.1	8.4	26.6	15.6	2.7	23.2	13.3	2.2
Ln Grp LOS	C	C	B	D	C	A	C	B	A	C	B	A
Approach Vol, veh/h		82			268			1009			1236	
Approach Delay, s/veh		19.2			33.8			14.5			13.5	
Approach LOS		B			C			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	25.2	10.7	11.0	9.8	29.7	6.2	7.4	13.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.1	4.0	4.1	4.1	4.3
Max Q Clear (g_c+l1), s	14.3	3.3	7.6	2.8	17.3	2.1	2.8	3.6
Green Ext Time (g_e), s	4.9	0.0	0.0	0.1	6.3	0.0	0.0	0.3
Prob of Phs Call (p_c)	1.00	0.49	0.93	0.94	1.00	0.06	0.35	0.99
Prob of Max Out (p_x)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	43	167	0	0	4	27	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	1.3	5.6	0.0	0.0	0.1	0.8	0.0
Cycle Q Clear Time (g_c), s	0.0	1.3	5.6	0.0	0.0	0.1	0.8	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1192	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	195	203	0	0	65	346	0
V/C Ratio (X)	0.00	0.22	0.82	0.00	0.00	0.06	0.08	0.00
Avail Cap (c_a), veh/h	0	195	203	0	0	174	422	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	22.6	24.2	0.0	0.0	26.2	20.3	0.0
Incr Delay (d2), s/veh	0.0	0.6	23.3	0.0	0.0	0.4	0.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	23.2	47.5	0.0	0.0	26.6	20.3	0.0
1st-Term Q (Q1), veh/ln	0.0	0.4	1.8	0.0	0.0	0.0	0.3	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.5	3.1	0.0	0.0	0.1	0.3	0.0
%ile Storage Ratio (RQ%)	0.00	0.03	0.27	0.00	0.00	0.00	0.07	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	915	0	0	30	1176	0	0	23
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	12.3	0.0	0.0	0.8	15.3	0.0	0.0	0.6
Cycle Q Clear Time (g_c), s	12.3	0.0	0.0	0.8	15.3	0.0	0.0	0.6
Lane Grp Cap (c), veh/h	1328	0	0	191	1609	0	0	310
V/C Ratio (X)	0.69	0.00	0.00	0.16	0.73	0.00	0.00	0.07
Avail Cap (c_a), veh/h	3668	0	0	1072	3668	0	0	1105
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	15.0	0.0	0.0	23.2	12.7	0.0	0.0	20.0
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.4	0.7	0.0	0.0	0.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	15.6	0.0	0.0	23.6	13.3	0.0	0.0	20.1
1st-Term Q (Q1), veh/ln	3.6	0.0	0.0	0.3	4.1	0.0	0.0	0.2
2nd-Term Q (Q2), veh/ln	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	3.7	0.0	0.0	0.3	4.2	0.0	0.0	0.2
%ile Storage Ratio (RQ%)	0.07	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	90	0	0	25	17	0	0	78
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	1.1	0.0	0.0	0.6	0.2	0.0	0.0	1.6
Cycle Q Clear Time (g_c), s	1.1	0.0	0.0	0.6	0.2	0.0	0.0	1.6
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	545	0	0	149	661	0	0	242
V/C Ratio (X)	0.17	0.00	0.00	0.17	0.03	0.00	0.00	0.32
Avail Cap (c_a), veh/h	1507	0	0	837	1507	0	0	863
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	2.6	0.0	0.0	12.1	2.2	0.0	0.0	7.6
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.5	0.0	0.0	0.0	0.8
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	2.7	0.0	0.0	12.6	2.2	0.0	0.0	8.4
1st-Term Q (Q1), veh/ln	0.5	0.0	0.0	0.3	0.1	0.0	0.0	0.7
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.5	0.0	0.0	0.3	0.1	0.0	0.0	0.8
%ile Storage Ratio (RQ%)	0.05	0.00	0.00	0.28	0.01	0.00	0.00	0.79
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	16.2
HCM 6th LOS	B

Intersection	
Intersection Delay, s/veh	9
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	31	83	29	23	138	10	73	22	44	6	17	36
Future Vol, veh/h	31	83	29	23	138	10	73	22	44	6	17	36
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	90	32	25	150	11	79	24	48	7	18	39
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	8.9	9.4	9	8.1
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	27%	0%	100%	0%	10%
Vol Thru, %	16%	73%	0%	0%	93%	29%
Vol Right, %	32%	0%	100%	0%	7%	61%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	139	114	29	23	148	59
LT Vol	73	31	0	23	0	6
Through Vol	22	83	0	0	138	17
RT Vol	44	0	29	0	10	36
Lane Flow Rate	151	124	32	25	161	64
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.2	0.185	0.04	0.04	0.23	0.083
Departure Headway (Hd)	4.777	5.373	4.531	5.707	5.156	4.636
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	749	665	786	626	693	769
Service Time	2.82	3.123	2.281	3.456	2.905	2.687
HCM Lane V/C Ratio	0.202	0.186	0.041	0.04	0.232	0.083
HCM Control Delay	9	9.3	7.5	8.7	9.5	8.1
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.7	0.7	0.1	0.1	0.9	0.3

Intersection	
Int Delay, s/veh	8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	113	13	9	0	17	1	25	38	0	0	13	77
Future Vol, veh/h	113	13	9	0	17	1	25	38	0	0	13	77
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	123	14	10	0	18	1	27	41	0	0	14	84

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	19	0	0	24	0	0	333	284	19	305	289	19
Stage 1	-	-	-	-	-	-	265	265	-	19	19	-
Stage 2	-	-	-	-	-	-	68	19	-	286	270	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1597	-	-	1591	-	-	620	625	1059	647	621	1059
Stage 1	-	-	-	-	-	-	740	689	-	1000	880	-
Stage 2	-	-	-	-	-	-	942	880	-	721	686	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1597	-	-	1591	-	-	528	577	1059	576	573	1059
Mov Cap-2 Maneuver	-	-	-	-	-	-	528	577	-	576	573	-
Stage 1	-	-	-	-	-	-	683	636	-	923	880	-
Stage 2	-	-	-	-	-	-	854	880	-	622	633	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	6.2	0	12.4	9.3
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	557	1597	-	-	1591	-	-	943
HCM Lane V/C Ratio	0.123	0.077	-	-	-	-	-	0.104
HCM Control Delay (s)	12.4	7.4	-	-	0	-	-	9.3
HCM Lane LOS	B	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	0.4	0.2	-	-	0	-	-	0.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	78	853	13	97	401	131	11	60	138	220	50	93
Future Volume (veh/h)	78	853	13	97	401	131	11	60	138	220	50	93
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	85	927	14	105	436	142	12	65	150	239	54	101
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	162	1333	547	312	1233	398	324	252	197	273	194	152
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.10	0.38	0.38	0.19	0.47	0.45	0.20	0.13	0.13	0.17	0.10	0.10
Unsig. Movement Delay												
Ln Grp Delay, s/veh	54.5	34.7	23.8	42.6	21.5	22.0	39.0	47.1	60.8	74.1	50.4	56.7
Ln Grp LOS	D	C	C	D	C	C	D	D	E	E	D	E
Approach Vol, veh/h		1026			683			227			394	
Approach Delay, s/veh		36.2			24.9			55.7			66.4	
Approach LOS		D			C			E			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	20.2	24.0	49.0	26.8	16.5	27.7	60.0	15.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	13.9	19.1	28.5	8.6	10.0	2.7	14.9	7.9
Green Ext Time (g_e), s	0.3	0.0	3.7	0.2	0.5	0.0	2.2	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.97	1.00	0.33	1.00	0.94
Prob of Max Out (p_x)	1.00	1.00	0.00	0.02	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		1641		1641		1641		1641

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2641

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		852

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	239	0	105	0	12	0	85
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1641
Q Serve Time (g_s), s	0.0	17.1	0.0	6.6	0.0	0.7	0.0	5.9
Cycle Q Clear Time (g_c), s	0.0	17.1	0.0	6.6	0.0	0.7	0.0	5.9
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	273	0	312	0	324	0	162
V/C Ratio (X)	0.00	0.87	0.00	0.34	0.00	0.04	0.00	0.53
Avail Cap (c_a), veh/h	0	273	0	312	0	324	0	162
Upstream Filter (I)	0.00	1.00	0.00	0.92	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	48.8	0.0	42.0	0.0	38.9	0.0	51.4
Incr Delay (d2), s/veh	0.0	25.3	0.0	0.6	0.0	0.0	0.0	3.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	74.1	0.0	42.6	0.0	39.0	0.0	54.5
1st-Term Q (Q1), veh/ln	0.0	6.6	0.0	2.6	0.0	0.3	0.0	2.3
2nd-Term Q (Q2), veh/ln	0.0	1.9	0.0	0.1	0.0	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	8.6	0.0	2.6	0.0	0.3	0.0	2.5
%ile Storage Ratio (RQ%)	0.00	2.18	0.00	0.33	0.00	0.05	0.00	0.42
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	65	0	927	0	54	0	292	0
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	1777	0
Q Serve Time (g_s), s	3.7	0.0	26.5	0.0	3.2	0.0	12.6	0.0
Cycle Q Clear Time (g_c), s	3.7	0.0	26.5	0.0	3.2	0.0	12.6	0.0
Lane Grp Cap (c), veh/h	252	0	1333	0	194	0	829	0
V/C Ratio (X)	0.26	0.00	0.70	0.00	0.28	0.00	0.35	0.00
Avail Cap (c_a), veh/h	312	0	1333	0	530	0	829	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.92	0.00
Uniform Delay (d1), s/veh	46.5	0.0	31.7	0.0	49.6	0.0	20.4	0.0
Incr Delay (d2), s/veh	0.5	0.0	3.0	0.0	0.8	0.0	1.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	47.1	0.0	34.7	0.0	50.4	0.0	21.5	0.0
1st-Term Q (Q1), veh/ln	1.7	0.0	10.5	0.0	1.4	0.0	4.8	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.7	0.0	11.1	0.0	1.5	0.0	5.1	0.0
%ile Storage Ratio (RQ%)	0.02	0.00	0.11	0.00	0.02	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	150	0	14	0	101	0	286	0
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	1717	0
Q Serve Time (g_s), s	11.9	0.0	0.7	0.0	8.0	0.0	12.9	0.0
Cycle Q Clear Time (g_c), s	11.9	0.0	0.7	0.0	8.0	0.0	12.9	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.50	0.00
Lane Grp Cap (c), veh/h	197	0	547	0	152	0	801	0
V/C Ratio (X)	0.76	0.00	0.03	0.00	0.67	0.00	0.36	0.00
Avail Cap (c_a), veh/h	243	0	547	0	414	0	801	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.92	0.00
Uniform Delay (d1), s/veh	50.1	0.0	23.7	0.0	51.8	0.0	20.8	0.0
Incr Delay (d2), s/veh	10.7	0.0	0.1	0.0	4.9	0.0	1.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	60.8	0.0	23.8	0.0	56.7	0.0	22.0	0.0
1st-Term Q (Q1), veh/ln	4.2	0.0	0.2	0.0	2.8	0.0	4.8	0.0
2nd-Term Q (Q2), veh/ln	0.6	0.0	0.0	0.0	0.2	0.0	0.3	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	4.7	0.0	0.3	0.0	3.0	0.0	5.1	0.0
%ile Storage Ratio (RQ%)	0.80	0.00	0.00	0.00	0.77	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	39.9
HCM 6th LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	1193	11	82	571	149	15	47	220	508	78	65
Future Volume (veh/h)	80	1193	11	82	571	149	15	47	220	508	78	65
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	87	1297	12	89	621	162	16	51	239	552	85	71
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	144	1421	584	205	1540	633	357	296	264	574	117	98
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.09	0.40	0.40	0.12	0.43	0.43	0.22	0.17	0.15	0.17	0.12	0.11
Unsig. Movement Delay												
Ln Grp Delay, s/veh	57.5	42.1	21.8	50.0	24.1	22.6	37.2	43.2	81.7	77.1	0.0	55.6
Ln Grp LOS	E	D	C	D	C	C	D	D	F	E	A	E
Approach Vol, veh/h		1396			872			306			708	
Approach Delay, s/veh		42.9			26.5			73.0			72.4	
Approach LOS		D			C			E			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	4.0	2.0	3.0	2.0	4.0	2.0	3.0	2.0
Phs Duration (G+Y+Rc), s	24.0	25.0	52.0	19.0	18.9	30.1	56.0	15.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	19.0	46.0	13.0	33.0	4.0	50.0	9.0
Max Allow Headway (MAH), s	4.3	4.1	4.0	4.1	4.1	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	19.8	22.0	43.4	8.0	12.5	2.9	16.4	8.4
Green Ext Time (g_e), s	0.0	0.0	1.6	0.1	0.5	0.0	3.4	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.95	1.00	0.41	1.00	0.94
Prob of Max Out (p_x)	1.00	1.00	0.00	0.40	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		3281		1641		1641		1575

Through Movement Data				
Assigned Mvmt	2	4	6	8
Mvmt Sat Flow, veh/h	1777	3554	942	3554

Right-Turn Movement Data				
Assigned Mvmt	12	14	16	18
Mvmt Sat Flow, veh/h	1585	1460	787	1460

Left Lane Group Data								
Assigned Mvmt	0	1	0	3	0	5	0	7
Lane Assignment		L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	2	0	1	0	1	0	1
Grp Vol (v), veh/h	0	552	0	89	0	16	0	87
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1575
Q Serve Time (g_s), s	0.0	20.0	0.0	6.0	0.0	0.9	0.0	6.4
Cycle Q Clear Time (g_c), s	0.0	20.0	0.0	6.0	0.0	0.9	0.0	6.4
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	574	0	205	0	357	0	144
V/C Ratio (X)	0.00	0.96	0.00	0.43	0.00	0.04	0.00	0.60
Avail Cap (c_a), veh/h	0	574	0	205	0	357	0	144
Upstream Filter (I)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.74
Uniform Delay (d1), s/veh	0.0	49.1	0.0	48.6	0.0	37.1	0.0	52.4
Incr Delay (d2), s/veh	0.0	28.0	0.0	1.4	0.0	0.1	0.0	5.1
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	77.1	0.0	50.0	0.0	37.2	0.0	57.5
1st-Term Q (Q1), veh/ln	0.0	7.8	0.0	2.4	0.0	0.4	0.0	2.4
2nd-Term Q (Q2), veh/ln	0.0	2.2	0.0	0.1	0.0	0.0	0.0	0.2
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	10.0	0.0	2.4	0.0	0.4	0.0	2.6
%ile Storage Ratio (RQ%)	0.00	1.70	0.00	0.62	0.00	0.13	0.00	0.22
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T				T	
Lanes in Grp	1	0	2	0	0	0	2	0
Grp Vol (v), veh/h	51	0	1297	0	0	0	621	0
Grp Sat Flow (s), veh/h/ln	1777	0	1777	0	0	0	1777	0
Q Serve Time (g_s), s	3.0	0.0	41.4	0.0	0.0	0.0	14.4	0.0
Cycle Q Clear Time (g_c), s	3.0	0.0	41.4	0.0	0.0	0.0	14.4	0.0
Lane Grp Cap (c), veh/h	296	0	1421	0	0	0	1540	0
V/C Ratio (X)	0.17	0.00	0.91	0.00	0.00	0.00	0.40	0.00
Avail Cap (c_a), veh/h	296	0	1421	0	0	0	1540	0
Upstream Filter (I)	1.00	0.00	0.74	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	42.9	0.0	34.0	0.0	0.0	0.0	23.3	0.0
Incr Delay (d2), s/veh	0.3	0.0	8.1	0.0	0.0	0.0	0.8	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	43.2	0.0	42.1	0.0	0.0	0.0	24.1	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	16.3	0.0	0.0	0.0	5.6	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	1.6	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.3	0.0	17.9	0.0	0.0	0.0	5.8	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.09	0.00	0.00	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	T+R		R		T+R		R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	239	0	12	0	156	0	162	0
Grp Sat Flow (s), veh/h/ln	1585	0	1460	0	1729	0	1460	0
Q Serve Time (g_s), s	17.8	0.0	0.6	0.0	10.5	0.0	8.5	0.0
Cycle Q Clear Time (g_c), s	17.8	0.0	0.6	0.0	10.5	0.0	8.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.46	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	264	0	584	0	215	0	633	0
V/C Ratio (X)	0.90	0.00	0.02	0.00	0.73	0.00	0.26	0.00
Avail Cap (c_a), veh/h	264	0	584	0	504	0	633	0
Upstream Filter (I)	1.00	0.00	0.74	0.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	50.1	0.0	21.8	0.0	51.0	0.0	21.7	0.0
Incr Delay (d2), s/veh	31.7	0.0	0.0	0.0	4.6	0.0	1.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	81.7	0.0	21.8	0.0	55.6	0.0	22.6	0.0
1st-Term Q (Q1), veh/ln	6.8	0.0	0.2	0.0	4.4	0.0	2.7	0.0
2nd-Term Q (Q2), veh/ln	2.3	0.0	0.0	0.0	0.3	0.0	0.2	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	9.2	0.0	0.2	0.0	4.6	0.0	2.9	0.0
%ile Storage Ratio (RQ%)	0.08	0.00	0.02	0.00	0.07	0.00	0.37	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	47.7
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	10.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	86	103	28	26	77	13	37	118	50	6	93	80
Future Vol, veh/h	86	103	28	26	77	13	37	118	50	6	93	80
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	93	112	30	28	84	14	40	128	54	7	101	87
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.1	9.7	10.5	9.9
HCM LOS	B	A	B	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	58%	0%	79%	0%	86%	52%
Vol Right, %	24%	0%	21%	0%	14%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	205	86	131	26	90	179
LT Vol	37	86	0	26	0	6
Through Vol	118	0	103	0	77	93
RT Vol	50	0	28	0	13	80
Lane Flow Rate	223	93	142	28	98	195
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.319	0.164	0.224	0.051	0.16	0.273
Departure Headway (Hd)	5.146	6.327	5.669	6.49	5.879	5.046
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	702	567	634	552	609	716
Service Time	3.154	4.061	3.403	4.228	3.617	3.055
HCM Lane V/C Ratio	0.318	0.164	0.224	0.051	0.161	0.272
HCM Control Delay	10.5	10.3	10	9.6	9.7	9.9
HCM Lane LOS	B	B	A	A	A	A
HCM 95th-tile Q	1.4	0.6	0.9	0.2	0.6	1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	35	37	34	172	24	54	6	1215	101	39	1562	22
Future Volume (veh/h)	35	37	34	172	24	54	6	1215	101	39	1562	22
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	38	40	37	187	26	59	7	1321	110	42	1698	24
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	285	149	116	154	220	172	56	1676	689	229	2051	842
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.08	0.08	0.09	0.12	0.12	0.03	0.47	0.47	0.14	0.58	0.58
Unsig. Movement Delay												
Ln Grp Delay, s/veh	28.7	33.1	21.6	174.2	29.6	14.3	35.9	17.4	3.1	28.7	14.3	1.6
Ln Grp LOS	C	C	C	F	C	B	D	B	A	C	B	A
Approach Vol, veh/h		115			272			1438			1764	
Approach Delay, s/veh		27.9			125.7			16.4			14.5	
Approach LOS		C			F			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	39.1	14.4	11.0	9.9	46.9	6.5	8.2	12.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.2
Max Q Clear (g_c+l1), s	25.3	3.7	9.0	3.5	30.8	2.3	3.5	3.8
Green Ext Time (g_e), s	7.8	0.0	0.0	0.2	10.1	0.0	0.0	0.3
Prob of Phs Call (p_c)	1.00	0.58	0.98	0.98	1.00	0.13	0.54	1.00
Prob of Max Out (p_x)	0.03	1.00	1.00	0.00	0.15	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	42	187	0	0	7	38	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	1.7	7.0	0.0	0.0	0.3	1.5	0.0
Cycle Q Clear Time (g_c), s	0.0	1.7	7.0	0.0	0.0	0.3	1.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1209	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	229	154	0	0	56	285	0
V/C Ratio (X)	0.00	0.18	1.21	0.00	0.00	0.13	0.13	0.00
Avail Cap (c_a), veh/h	0	229	154	0	0	132	325	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	28.3	33.7	0.0	0.0	34.9	28.4	0.0
Incr Delay (d2), s/veh	0.0	0.4	140.5	0.0	0.0	1.0	0.2	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	28.7	174.2	0.0	0.0	35.9	28.7	0.0
1st-Term Q (Q1), veh/ln	0.0	0.6	2.5	0.0	0.0	0.1	0.5	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.6	8.5	0.0	0.0	0.1	0.6	0.0
%ile Storage Ratio (RQ%)	0.00	0.04	0.72	0.00	0.00	0.01	0.14	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	1321	0	0	40	1698	0	0	26
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	23.3	0.0	0.0	1.5	28.8	0.0	0.0	0.9
Cycle Q Clear Time (g_c), s	23.3	0.0	0.0	1.5	28.8	0.0	0.0	0.9
Lane Grp Cap (c), veh/h	1676	0	0	149	2051	0	0	220
V/C Ratio (X)	0.79	0.00	0.00	0.27	0.83	0.00	0.00	0.12
Avail Cap (c_a), veh/h	2794	0	0	817	2794	0	0	842
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	16.5	0.0	0.0	32.2	12.7	0.0	0.0	29.4
Incr Delay (d2), s/veh	0.9	0.0	0.0	1.0	1.6	0.0	0.0	0.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	17.4	0.0	0.0	33.1	14.3	0.0	0.0	29.6
1st-Term Q (Q1), veh/ln	7.3	0.0	0.0	0.6	7.7	0.0	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	7.5	0.0	0.0	0.7	8.1	0.0	0.0	0.4
%ile Storage Ratio (RQ%)	0.15	0.00	0.00	0.01	0.08	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	110	0	0	37	24	0	0	59
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	1.7	0.0	0.0	1.4	0.3	0.0	0.0	1.8
Cycle Q Clear Time (g_c), s	1.7	0.0	0.0	1.4	0.3	0.0	0.0	1.8
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	689	0	0	116	842	0	0	172
V/C Ratio (X)	0.16	0.00	0.00	0.32	0.03	0.00	0.00	0.34
Avail Cap (c_a), veh/h	1148	0	0	638	1148	0	0	657
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	3.0	0.0	0.0	20.1	1.6	0.0	0.0	13.1
Incr Delay (d2), s/veh	0.1	0.0	0.0	1.5	0.0	0.0	0.0	1.2
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	3.1	0.0	0.0	21.6	1.6	0.0	0.0	14.3
1st-Term Q (Q1), veh/ln	0.8	0.0	0.0	0.6	0.1	0.0	0.0	0.9
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.8	0.0	0.0	0.6	0.1	0.0	0.0	0.9
%ile Storage Ratio (RQ%)	0.07	0.00	0.00	0.63	0.01	0.00	0.00	0.93
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	24.1
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	9.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	45	84	37	34	93	13	105	32	62	7	24	52
Future Vol, veh/h	45	84	37	34	93	13	105	32	62	7	24	52
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	49	91	40	37	101	14	114	35	67	8	26	57
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	9.5	9.3	9.8	8.4
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	35%	0%	100%	0%	8%
Vol Thru, %	16%	65%	0%	0%	88%	29%
Vol Right, %	31%	0%	100%	0%	12%	63%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	199	129	37	34	106	83
LT Vol	105	45	0	34	0	7
Through Vol	32	84	0	0	93	24
RT Vol	62	0	37	0	13	52
Lane Flow Rate	216	140	40	37	115	90
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.289	0.219	0.053	0.061	0.172	0.118
Departure Headway (Hd)	4.816	5.619	4.736	5.978	5.386	4.712
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	742	635	750	595	661	754
Service Time	2.871	3.39	2.506	3.751	3.159	2.781
HCM Lane V/C Ratio	0.291	0.22	0.053	0.062	0.174	0.119
HCM Control Delay	9.8	10	7.8	9.1	9.3	8.4
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	1.2	0.8	0.2	0.2	0.6	0.4

Intersection	
Intersection Delay, s/veh	5
Intersection LOS	A

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	144	19	24	2	0	105
Future Vol, veh/h	144	19	24	2	0	105
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	157	21	26	2	0	114
Number of Lanes	1	1	1	0	0	0

Approach	EB	WB
Opposing Approach	WB	EB
Opposing Lanes	1	2
Conflicting Approach Left		
Conflicting Lanes Left	0	0
Conflicting Approach Right		
Conflicting Lanes Right	0	0
HCM Control Delay	5	5
HCM LOS	A	A

Lane	EBLn1	EBLn2	WBLn1
Vol Left, %	100%	0%	0%
Vol Thru, %	0%	100%	92%
Vol Right, %	0%	0%	8%
Sign Control	Stop	Stop	Stop
Traffic Vol by Lane	144	19	26
LT Vol	144	0	0
Through Vol	0	19	24
RT Vol	0	0	2
Lane Flow Rate	157	21	28
Geometry Grp	0	0	0
Degree of Util (X)	0	0	0
Departure Headway (Hd)	0	0	0
Convergence, Y/N	Yes	Yes	Yes
Cap	0	0	0
Service Time	0	0	0
HCM Lane V/C Ratio	0	0	0
HCM Control Delay	5	5	5
HCM Lane LOS	N	N	N
HCM 95th-tile Q	0	0	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	78	853	14	108	401	131	12	64	166	220	52	93
Future Volume (veh/h)	78	853	14	108	401	131	12	64	166	220	52	93
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	85	927	15	117	436	142	13	70	180	239	57	101
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	131	1333	547	281	1233	398	355	287	224	273	195	152
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.08	0.38	0.38	0.17	0.47	0.45	0.22	0.15	0.15	0.17	0.10	0.10
Unsig. Movement Delay												
Ln Grp Delay, s/veh	64.4	34.7	23.8	45.3	21.5	22.0	37.2	45.1	65.3	74.1	50.5	56.7
Ln Grp LOS	E	C	C	D	C	C	D	D	E	E	D	E
Approach Vol, veh/h		1027			695			263			397	
Approach Delay, s/veh		37.0			25.7			58.5			66.3	
Approach LOS		D			C			E			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	3.0	2.0	3.0	2.0	3.0	2.0	4.0	2.0
Phs Duration (G+Y+Rc), s	22.4	24.0	49.0	24.6	16.5	30.0	60.0	13.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	18.0	43.0	17.0	32.0	4.0	54.0	6.0
Max Allow Headway (MAH), s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	16.3	19.1	28.5	9.6	10.0	2.8	14.9	8.0
Green Ext Time (g_e), s	0.2	0.0	3.7	0.2	0.5	0.0	2.2	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.98	1.00	0.35	1.00	0.94
Prob of Max Out (p_x)	1.00	1.00	0.00	0.05	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		1641		1641		1641		1641

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1870		3554		1870		2641

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1460		1460		1460		852

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	1	0	1	0	1	0	1
Grp Vol (v), veh/h	0	239	0	117	0	13	0	85
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1641
Q Serve Time (g_s), s	0.0	17.1	0.0	7.6	0.0	0.8	0.0	6.0
Cycle Q Clear Time (g_c), s	0.0	17.1	0.0	7.6	0.0	0.8	0.0	6.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	273	0	281	0	355	0	131
V/C Ratio (X)	0.00	0.87	0.00	0.42	0.00	0.04	0.00	0.65
Avail Cap (c_a), veh/h	0	273	0	281	0	355	0	131
Upstream Filter (I)	0.00	1.00	0.00	0.92	0.00	1.00	0.00	1.00
Uniform Delay (d1), s/veh	0.0	48.8	0.0	44.4	0.0	37.1	0.0	53.6
Incr Delay (d2), s/veh	0.0	25.3	0.0	0.9	0.0	0.0	0.0	10.8
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	74.1	0.0	45.3	0.0	37.2	0.0	64.4
1st-Term Q (Q1), veh/ln	0.0	6.6	0.0	3.0	0.0	0.3	0.0	2.4
2nd-Term Q (Q2), veh/ln	0.0	1.9	0.0	0.1	0.0	0.0	0.0	0.4
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	8.6	0.0	3.0	0.0	0.3	0.0	2.8
%ile Storage Ratio (RQ%)	0.00	2.18	0.00	0.39	0.00	0.05	0.00	0.47
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T		T		T	
Lanes in Grp	1	0	2	0	1	0	1	0
Grp Vol (v), veh/h	70	0	927	0	57	0	292	0
Grp Sat Flow (s), veh/h/ln	1870	0	1777	0	1870	0	1777	0
Q Serve Time (g_s), s	3.9	0.0	26.5	0.0	3.4	0.0	12.6	0.0
Cycle Q Clear Time (g_c), s	3.9	0.0	26.5	0.0	3.4	0.0	12.6	0.0
Lane Grp Cap (c), veh/h	287	0	1333	0	195	0	829	0
V/C Ratio (X)	0.24	0.00	0.70	0.00	0.29	0.00	0.35	0.00
Avail Cap (c_a), veh/h	312	0	1333	0	530	0	829	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.92	0.00
Uniform Delay (d1), s/veh	44.6	0.0	31.7	0.0	49.7	0.0	20.4	0.0
Incr Delay (d2), s/veh	0.4	0.0	3.0	0.0	0.8	0.0	1.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	45.1	0.0	34.7	0.0	50.5	0.0	21.5	0.0
1st-Term Q (Q1), veh/ln	1.8	0.0	10.5	0.0	1.5	0.0	4.8	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.8	0.0	11.1	0.0	1.6	0.0	5.1	0.0
%ile Storage Ratio (RQ%)	0.02	0.00	0.11	0.00	0.02	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	R		R		R		T+R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	180	0	15	0	101	0	286	0
Grp Sat Flow (s), veh/h/ln	1460	0	1460	0	1460	0	1717	0
Q Serve Time (g_s), s	14.3	0.0	0.8	0.0	8.0	0.0	12.9	0.0
Cycle Q Clear Time (g_c), s	14.3	0.0	0.8	0.0	8.0	0.0	12.9	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	1.00	0.00	0.50	0.00
Lane Grp Cap (c), veh/h	224	0	547	0	152	0	801	0
V/C Ratio (X)	0.80	0.00	0.03	0.00	0.66	0.00	0.36	0.00
Avail Cap (c_a), veh/h	243	0	547	0	414	0	801	0
Upstream Filter (I)	1.00	0.00	1.00	0.00	1.00	0.00	0.92	0.00
Uniform Delay (d1), s/veh	49.0	0.0	23.7	0.0	51.7	0.0	20.8	0.0
Incr Delay (d2), s/veh	16.3	0.0	0.1	0.0	4.9	0.0	1.1	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	65.3	0.0	23.8	0.0	56.7	0.0	22.0	0.0
1st-Term Q (Q1), veh/ln	5.0	0.0	0.3	0.0	2.8	0.0	4.8	0.0
2nd-Term Q (Q2), veh/ln	1.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	6.0	0.0	0.3	0.0	3.0	0.0	5.1	0.0
%ile Storage Ratio (RQ%)	1.01	0.00	0.00	0.00	0.77	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	41.0
HCM 6th LOS	D

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	89	1210	12	85	578	149	16	47	220	508	78	68
Future Volume (veh/h)	89	1210	12	85	578	149	16	47	220	508	78	68
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1654	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	97	1315	13	92	628	162	17	51	239	552	85	74
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	144	1421	584	205	1540	633	353	296	264	574	116	101
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.09	0.40	0.40	0.12	0.43	0.43	0.22	0.17	0.15	0.17	0.13	0.11
Unsig. Movement Delay												
Ln Grp Delay, s/veh	61.3	43.3	21.8	50.2	24.2	22.6	37.4	43.2	81.7	77.1	0.0	55.6
Ln Grp LOS	E	D	C	D	C	C	D	D	F	E	A	E
Approach Vol, veh/h		1425			882			307			711	
Approach Delay, s/veh		44.3			26.6			72.9			72.3	
Approach LOS		D			C			E			E	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	4	3	6	5	8	7
Case No	4.0	2.0	3.0	2.0	4.0	2.0	3.0	2.0
Phs Duration (G+Y+Rc), s	24.0	25.0	52.0	19.0	19.1	29.9	56.0	15.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	18.0	19.0	46.0	13.0	33.0	4.0	50.0	9.0
Max Allow Headway (MAH), s	4.3	4.1	4.0	4.1	4.2	4.1	4.1	4.1
Max Q Clear (g_c+l1), s	19.8	22.0	44.3	8.2	12.7	3.0	16.6	9.2
Green Ext Time (g_e), s	0.0	0.0	1.1	0.1	0.5	0.0	3.5	0.0
Prob of Phs Call (p_c)	1.00	1.00	1.00	0.95	1.00	0.43	1.00	0.96
Prob of Max Out (p_x)	1.00	1.00	0.00	0.51	0.00	1.00	0.00	1.00

Left-Turn Movement Data								
Assigned Mvmt		1		3		5		7
Mvmt Sat Flow, veh/h		3281		1641		1641		1575

Through Movement Data								
Assigned Mvmt		2		4		6		8
Mvmt Sat Flow, veh/h		1777		3554		923		3554

Right-Turn Movement Data								
Assigned Mvmt		12		14		16		18
Mvmt Sat Flow, veh/h		1585		1460		803		1460

Left Lane Group Data								
Assigned Mvmt		0	1	0	3	0	5	0	7
Lane Assignment			L (Prot)		L (Prot)		L (Prot)		L (Prot)

Lanes in Grp	0	2	0	1	0	1	0	1
Grp Vol (v), veh/h	0	552	0	92	0	17	0	97
Grp Sat Flow (s), veh/h/ln	0	1641	0	1641	0	1641	0	1575
Q Serve Time (g_s), s	0.0	20.0	0.0	6.2	0.0	1.0	0.0	7.2
Cycle Q Clear Time (g_c), s	0.0	20.0	0.0	6.2	0.0	1.0	0.0	7.2
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	0	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Lane Grp Cap (c), veh/h	0	574	0	205	0	353	0	144
V/C Ratio (X)	0.00	0.96	0.00	0.45	0.00	0.05	0.00	0.67
Avail Cap (c_a), veh/h	0	574	0	205	0	353	0	144
Upstream Filter (I)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	0.73
Uniform Delay (d1), s/veh	0.0	49.1	0.0	48.7	0.0	37.3	0.0	52.8
Incr Delay (d2), s/veh	0.0	28.0	0.0	1.5	0.0	0.1	0.0	8.6
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	77.1	0.0	50.2	0.0	37.4	0.0	61.3
1st-Term Q (Q1), veh/ln	0.0	7.8	0.0	2.5	0.0	0.4	0.0	2.7
2nd-Term Q (Q2), veh/ln	0.0	2.2	0.0	0.1	0.0	0.0	0.0	0.3
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.0	10.0	0.0	2.5	0.0	0.4	0.0	3.1
%ile Storage Ratio (RQ%)	0.00	1.70	0.00	0.64	0.00	0.14	0.00	0.26
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data								
Assigned Mvmt	2	0	4	0	6	0	8	0
Lane Assignment	T		T				T	
Lanes in Grp	1	0	2	0	0	0	2	0
Grp Vol (v), veh/h	51	0	1315	0	0	0	628	0
Grp Sat Flow (s), veh/h/ln	1777	0	1777	0	0	0	1777	0
Q Serve Time (g_s), s	3.0	0.0	42.3	0.0	0.0	0.0	14.6	0.0
Cycle Q Clear Time (g_c), s	3.0	0.0	42.3	0.0	0.0	0.0	14.6	0.0
Lane Grp Cap (c), veh/h	296	0	1421	0	0	0	1540	0
V/C Ratio (X)	0.17	0.00	0.93	0.00	0.00	0.00	0.41	0.00
Avail Cap (c_a), veh/h	296	0	1421	0	0	0	1540	0
Upstream Filter (I)	1.00	0.00	0.73	0.00	0.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	42.9	0.0	34.3	0.0	0.0	0.0	23.4	0.0
Incr Delay (d2), s/veh	0.3	0.0	9.0	0.0	0.0	0.0	0.8	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	43.2	0.0	43.3	0.0	0.0	0.0	24.2	0.0
1st-Term Q (Q1), veh/ln	1.2	0.0	16.7	0.0	0.0	0.0	5.7	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	1.8	0.0	0.0	0.0	0.2	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	1.3	0.0	18.5	0.0	0.0	0.0	5.8	0.0
%ile Storage Ratio (RQ%)	0.01	0.00	0.09	0.00	0.00	0.00	0.02	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	14	0	16	0	18	0
Lane Assignment	T+R		R		T+R		R	
Lanes in Grp	1	0	1	0	1	0	1	0
Grp Vol (v), veh/h	239	0	13	0	159	0	162	0
Grp Sat Flow (s), veh/h/ln	1585	0	1460	0	1726	0	1460	0
Q Serve Time (g_s), s	17.8	0.0	0.6	0.0	10.7	0.0	8.5	0.0
Cycle Q Clear Time (g_c), s	17.8	0.0	0.6	0.0	10.7	0.0	8.5	0.0
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	1.00	0.00	0.47	0.00	1.00	0.00
Lane Grp Cap (c), veh/h	264	0	584	0	218	0	633	0
V/C Ratio (X)	0.90	0.00	0.02	0.00	0.73	0.00	0.26	0.00
Avail Cap (c_a), veh/h	264	0	584	0	503	0	633	0
Upstream Filter (I)	1.00	0.00	0.73	0.00	1.00	0.00	1.00	0.00
Uniform Delay (d1), s/veh	50.1	0.0	21.8	0.0	50.9	0.0	21.7	0.0
Incr Delay (d2), s/veh	31.7	0.0	0.1	0.0	4.6	0.0	1.0	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	81.7	0.0	21.8	0.0	55.6	0.0	22.6	0.0
1st-Term Q (Q1), veh/ln	6.8	0.0	0.2	0.0	4.4	0.0	2.7	0.0
2nd-Term Q (Q2), veh/ln	2.3	0.0	0.0	0.0	0.3	0.0	0.2	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
%ile Back of Q (50%), veh/ln	9.2	0.0	0.2	0.0	4.7	0.0	2.9	0.0
%ile Storage Ratio (RQ%)	0.08	0.00	0.02	0.00	0.07	0.00	0.37	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	48.2
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Intersection	
Intersection Delay, s/veh	10.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	86	103	28	26	77	13	37	118	50	6	93	80
Future Vol, veh/h	86	103	28	26	77	13	37	118	50	6	93	80
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	93	112	30	28	84	14	40	128	54	7	101	87
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.1	9.7	10.5	9.9
HCM LOS	B	A	B	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	18%	100%	0%	100%	0%	3%
Vol Thru, %	58%	0%	79%	0%	86%	52%
Vol Right, %	24%	0%	21%	0%	14%	45%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	205	86	131	26	90	179
LT Vol	37	86	0	26	0	6
Through Vol	118	0	103	0	77	93
RT Vol	50	0	28	0	13	80
Lane Flow Rate	223	93	142	28	98	195
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.319	0.164	0.224	0.051	0.16	0.273
Departure Headway (Hd)	5.146	6.327	5.669	6.49	5.879	5.046
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	702	567	634	552	609	716
Service Time	3.154	4.061	3.403	4.228	3.617	3.055
HCM Lane V/C Ratio	0.318	0.164	0.224	0.051	0.161	0.272
HCM Control Delay	10.5	10.3	10	9.6	9.7	9.9
HCM Lane LOS	B	B	A	A	A	A
HCM 95th-tile Q	1.4	0.6	0.9	0.2	0.6	1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	35	39	34	207	28	89	6	1215	114	52	1562	22
Future Volume (veh/h)	35	39	34	207	28	89	6	1215	114	52	1562	22
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj (A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Lanes Open During Work Zone												
Adj Sat Flow, veh/h/ln	1723	1870	1723	1723	1870	1723	1723	1870	1723	1723	1870	1723
Adj Flow Rate, veh/h	38	42	37	225	30	97	7	1321	124	57	1698	24
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Opposing Right Turn Influence	Yes			Yes			Yes			Yes		
Cap, veh/h	282	150	117	154	221	172	56	1679	690	227	2050	842
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prop Arrive On Green	0.06	0.08	0.08	0.09	0.12	0.12	0.03	0.47	0.47	0.14	0.58	0.58
Unsig. Movement Delay												
Ln Grp Delay, s/veh	28.7	33.2	21.6	272.5	29.7	16.4	35.9	17.4	3.1	29.2	14.4	1.6
Ln Grp LOS	C	C	C	F	C	B	D	B	A	C	B	A
Approach Vol, veh/h		117			352			1452			1779	
Approach Delay, s/veh		28.1			181.2			16.2			14.7	
Approach LOS		C			F			B			B	

Timer:	1	2	3	4	5	6	7	8
Assigned Phs	2	1	3	4	6	5	7	8
Case No	3.0	2.0	2.0	3.0	3.0	2.0	1.1	3.0
Phs Duration (G+Y+Rc), s	39.2	14.3	11.0	10.0	47.0	6.5	8.2	12.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green (Gmax), s	56.5	4.0	5.0	30.5	56.5	4.0	4.0	31.5
Max Allow Headway (MAH), s	4.0	4.1	4.1	4.2	4.0	4.1	4.1	4.3
Max Q Clear (g_c+l1), s	25.3	4.3	9.0	3.6	30.8	2.3	3.5	5.1
Green Ext Time (g_e), s	7.9	0.0	0.0	0.2	10.1	0.0	0.0	0.4
Prob of Phs Call (p_c)	1.00	0.69	0.99	0.99	1.00	0.13	0.54	1.00
Prob of Max Out (p_x)	0.03	1.00	1.00	0.00	0.15	1.00	1.00	0.00

Left-Turn Movement Data								
Assigned Mvmt		1	3			5	7	
Mvmt Sat Flow, veh/h		1641	1641			1641	1641	

Through Movement Data								
Assigned Mvmt	2			4	6			8
Mvmt Sat Flow, veh/h	3554			1870	3554			1870

Right-Turn Movement Data								
Assigned Mvmt	12			14	16			18
Mvmt Sat Flow, veh/h	1460			1460	1460			1460

Left Lane Group Data								
Assigned Mvmt	0	1	3	0	0	5	7	0
Lane Assignment		L (Prot)	L (Prot)			L (Prot)	L(Pr/Pm)	

Lanes in Grp	0	1	1	0	0	1	1	0
Grp Vol (v), veh/h	0	57	225	0	0	7	38	0
Grp Sat Flow (s), veh/h/ln	0	1641	1641	0	0	1641	1641	0
Q Serve Time (g_s), s	0.0	2.3	7.0	0.0	0.0	0.3	1.5	0.0
Cycle Q Clear Time (g_c), s	0.0	2.3	7.0	0.0	0.0	0.3	1.5	0.0
Perm LT Sat Flow (s_l), veh/h/ln	0	0	0	0	0	0	1164	0
Shared LT Sat Flow (s_sh), veh/h/ln	0	0	0	0	0	0	0	0
Perm LT Eff Green (g_p), s	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
Perm LT Serve Time (g_u), s	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
Perm LT Q Serve Time (g_ps), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time to First Blk (g_f), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serve Time pre Blk (g_fs), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop LT Inside Lane (P_L)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Lane Grp Cap (c), veh/h	0	227	154	0	0	56	282	0
V/C Ratio (X)	0.00	0.25	1.46	0.00	0.00	0.13	0.13	0.00
Avail Cap (c_a), veh/h	0	227	154	0	0	132	322	0
Upstream Filter (I)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
Uniform Delay (d1), s/veh	0.0	28.6	33.7	0.0	0.0	34.9	28.4	0.0
Incr Delay (d2), s/veh	0.0	0.6	238.8	0.0	0.0	1.0	0.2	0.0
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	0.0	29.2	272.5	0.0	0.0	35.9	28.7	0.0
1st-Term Q (Q1), veh/ln	0.0	0.8	2.5	0.0	0.0	0.1	0.5	0.0
2nd-Term Q (Q2), veh/ln	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00
%ile Back of Q (50%), veh/ln	0.0	0.8	12.7	0.0	0.0	0.1	0.6	0.0
%ile Storage Ratio (RQ%)	0.00	0.05	1.08	0.00	0.00	0.01	0.14	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0

Middle Lane Group Data

Assigned Mvmt	2	0	0	4	6	0	0	8
Lane Assignment	T			T	T			T
Lanes in Grp	2	0	0	1	2	0	0	1
Grp Vol (v), veh/h	1321	0	0	42	1698	0	0	30
Grp Sat Flow (s), veh/h/ln	1777	0	0	1870	1777	0	0	1870
Q Serve Time (g_s), s	23.3	0.0	0.0	1.6	28.8	0.0	0.0	1.1
Cycle Q Clear Time (g_c), s	23.3	0.0	0.0	1.6	28.8	0.0	0.0	1.1
Lane Grp Cap (c), veh/h	1679	0	0	150	2050	0	0	221
V/C Ratio (X)	0.79	0.00	0.00	0.28	0.83	0.00	0.00	0.14
Avail Cap (c_a), veh/h	2791	0	0	816	2791	0	0	841
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	16.5	0.0	0.0	32.2	12.8	0.0	0.0	29.4
Incr Delay (d2), s/veh	0.8	0.0	0.0	1.0	1.6	0.0	0.0	0.3
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	17.4	0.0	0.0	33.2	14.4	0.0	0.0	29.7
1st-Term Q (Q1), veh/ln	7.3	0.0	0.0	0.6	7.7	0.0	0.0	0.4
2nd-Term Q (Q2), veh/ln	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0

3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	7.5	0.0	0.0	0.7	8.2	0.0	0.0	0.5
%ile Storage Ratio (RQ%)	0.15	0.00	0.00	0.01	0.08	0.00	0.00	0.00
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Right Lane Group Data								
Assigned Mvmt	12	0	0	14	16	0	0	18
Lane Assignment	R			R	R			R
Lanes in Grp	1	0	0	1	1	0	0	1
Grp Vol (v), veh/h	124	0	0	37	24	0	0	97
Grp Sat Flow (s), veh/h/ln	1460	0	0	1460	1460	0	0	1460
Q Serve Time (g_s), s	1.9	0.0	0.0	1.4	0.3	0.0	0.0	3.1
Cycle Q Clear Time (g_c), s	1.9	0.0	0.0	1.4	0.3	0.0	0.0	3.1
Prot RT Sat Flow (s_R), veh/h/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prot RT Eff Green (g_R), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop RT Outside Lane (P_R)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Lane Grp Cap (c), veh/h	690	0	0	117	842	0	0	172
V/C Ratio (X)	0.18	0.00	0.00	0.32	0.03	0.00	0.00	0.56
Avail Cap (c_a), veh/h	1147	0	0	637	1147	0	0	657
Upstream Filter (I)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
Uniform Delay (d1), s/veh	3.0	0.0	0.0	20.1	1.6	0.0	0.0	13.5
Incr Delay (d2), s/veh	0.1	0.0	0.0	1.5	0.0	0.0	0.0	2.9
Initial Q Delay (d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (d), s/veh	3.1	0.0	0.0	21.6	1.6	0.0	0.0	16.4
1st-Term Q (Q1), veh/ln	0.9	0.0	0.0	0.6	0.1	0.0	0.0	1.4
2nd-Term Q (Q2), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3rd-Term Q (Q3), veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile Back of Q Factor (f_B%)	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
%ile Back of Q (50%), veh/ln	0.9	0.0	0.0	0.6	0.1	0.0	0.0	1.6
%ile Storage Ratio (RQ%)	0.08	0.00	0.00	0.62	0.01	0.00	0.00	1.60
Initial Q (Qb), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Final (Residual) Q (Qe), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Delay (ds), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Q (Qs), veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sat Cap (cs), veh/h	0	0	0	0	0	0	0	0
Initial Q Clear Time (tc), h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	31.6
HCM 6th LOS	C

Intersection	
Intersection Delay, s/veh	10.3
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	45	109	40	34	166	14	106	32	63	8	24	52
Future Vol, veh/h	45	109	40	34	166	14	106	32	63	8	24	52
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	49	118	43	37	180	15	115	35	68	9	26	57
Number of Lanes	0	1	1	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.1	10.6	10.6	8.9
HCM LOS	B	B	B	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	53%	29%	0%	100%	0%	10%
Vol Thru, %	16%	71%	0%	0%	92%	29%
Vol Right, %	31%	0%	100%	0%	8%	62%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	201	154	40	34	180	84
LT Vol	106	45	0	34	0	8
Through Vol	32	109	0	0	166	24
RT Vol	63	0	40	0	14	52
Lane Flow Rate	218	167	43	37	196	91
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.316	0.271	0.06	0.063	0.304	0.13
Departure Headway (Hd)	5.212	5.834	4.977	6.161	5.6	5.142
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	695	618	721	583	644	698
Service Time	3.212	3.556	2.699	3.883	3.322	3.17
HCM Lane V/C Ratio	0.314	0.27	0.06	0.063	0.304	0.13
HCM Control Delay	10.6	10.7	8	9.3	10.8	8.9
HCM Lane LOS	B	B	A	A	B	A
HCM 95th-tile Q	1.4	1.1	0.2	0.2	1.3	0.4

Intersection	
Intersection Delay, s/veh	8.8
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	157	19	9	0	24	2	25	38	0	0	13	110
Future Vol, veh/h	157	19	9	0	24	2	25	38	0	0	13	110
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	171	21	10	0	26	2	27	41	0	0	14	120
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	2
HCM Control Delay	9.8	7.9	8.3	7.9
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	EBLn2	WBLn1	SBLn1
Vol Left, %	40%	100%	0%	0%	0%
Vol Thru, %	60%	0%	68%	92%	11%
Vol Right, %	0%	0%	32%	8%	89%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	63	157	28	26	123
LT Vol	25	157	0	0	0
Through Vol	38	0	19	24	13
RT Vol	0	0	9	2	110
Lane Flow Rate	68	171	30	28	134
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.091	0.262	0.041	0.037	0.152
Departure Headway (Hd)	4.769	5.532	4.804	4.697	4.094
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	752	654	750	761	877
Service Time	2.795	3.232	2.504	2.734	2.115
HCM Lane V/C Ratio	0.09	0.261	0.04	0.037	0.153
HCM Control Delay	8.3	10.2	7.7	7.9	7.9
HCM Lane LOS	A	B	A	A	A
HCM 95th-tile Q	0.3	1	0.1	0.1	0.5

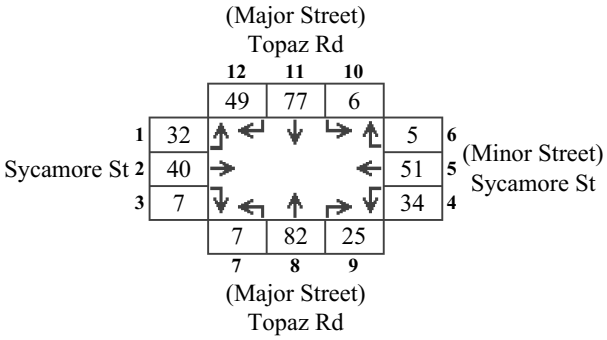
Intersection 1
Topaz Rd & Bear Valley Rd

Intersection 2
Amethyst Rd & Bear Valley Rd

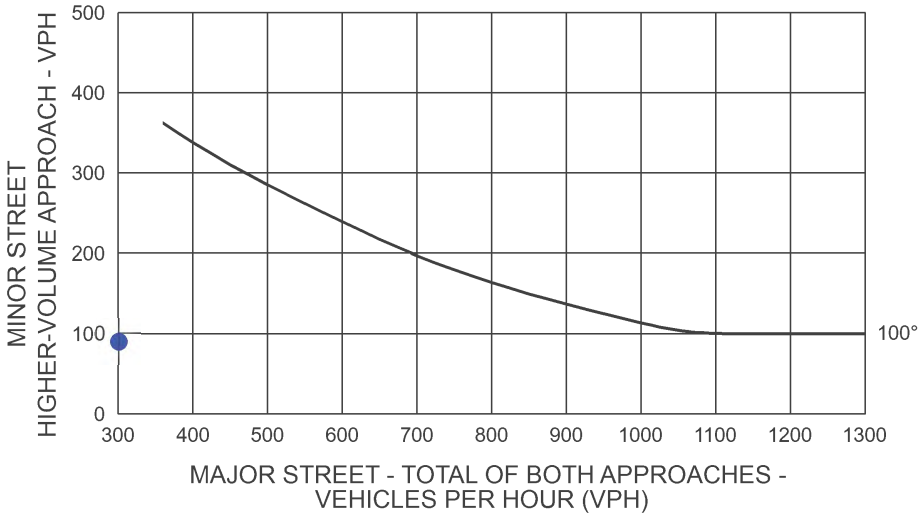
Intersection 3
Topaz Rd & Sycamore St

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 3

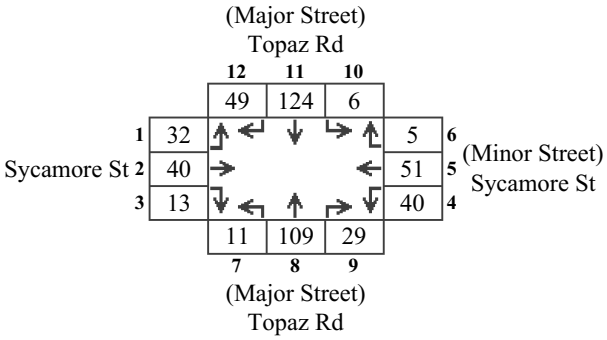


Major Total: 246
Minor High Volume: 90

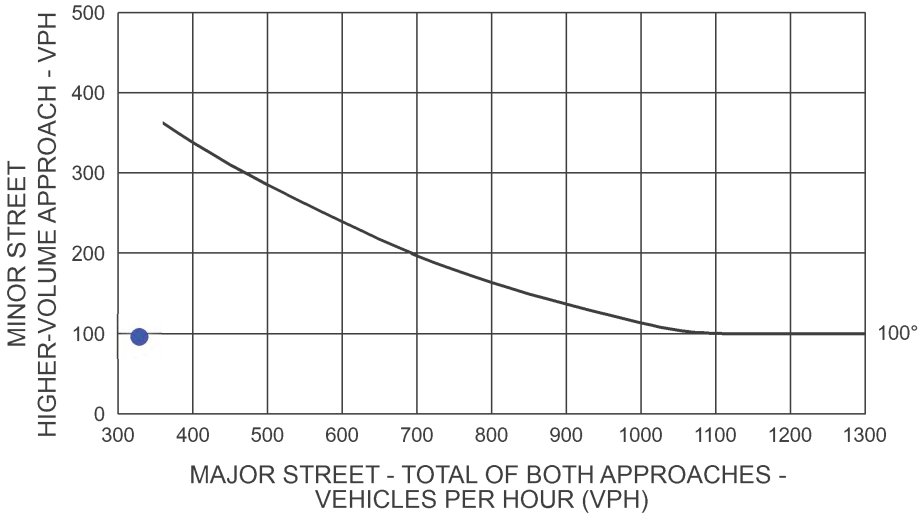


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing+Project
Intersection #: 3

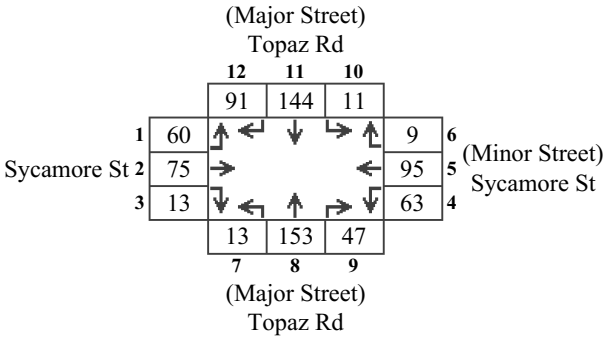


Major Total: 328
Minor High Volume: 96

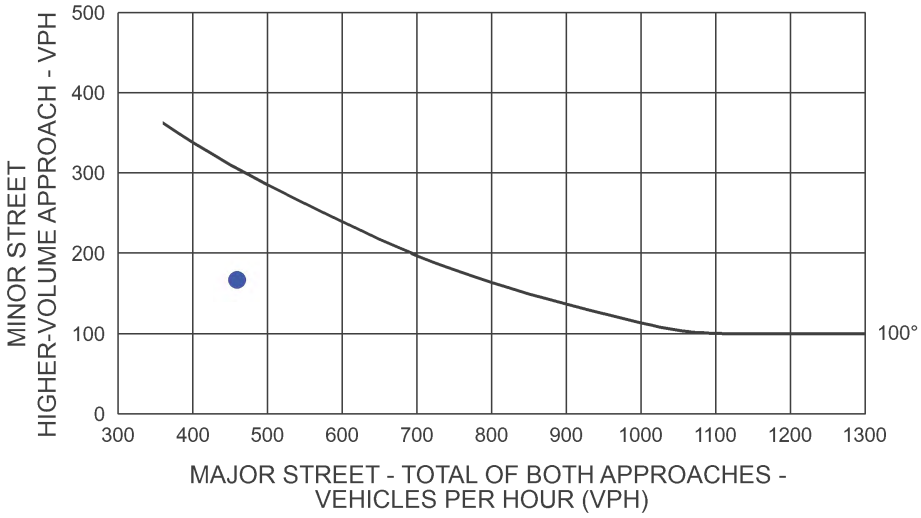


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 3

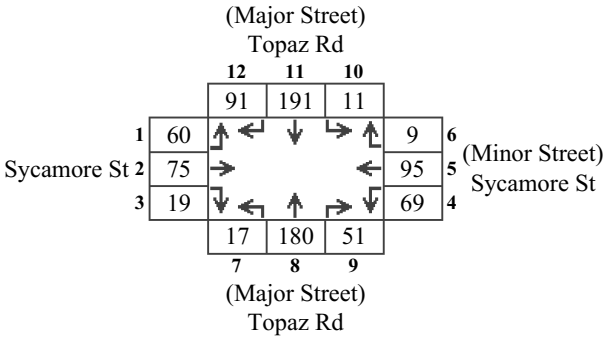


Major Total: 459
Minor High Volume: 167

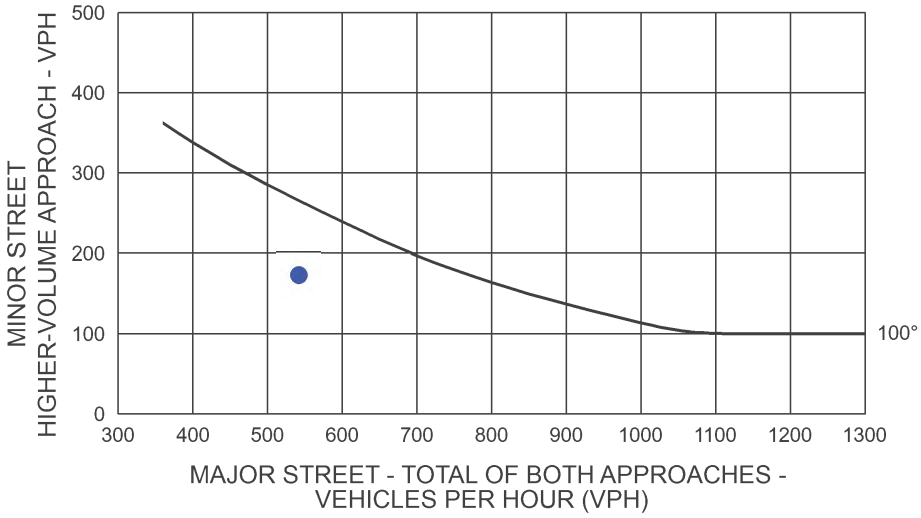


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 3

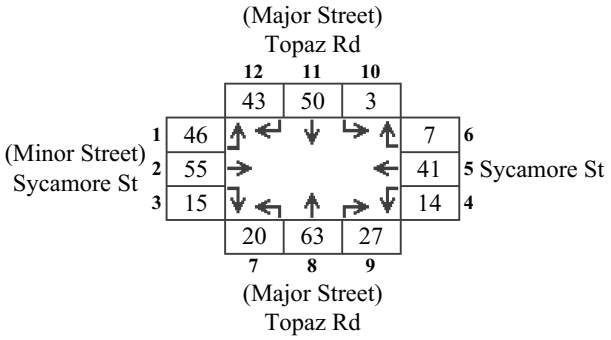


Major Total: 541
Minor High Volume: 173

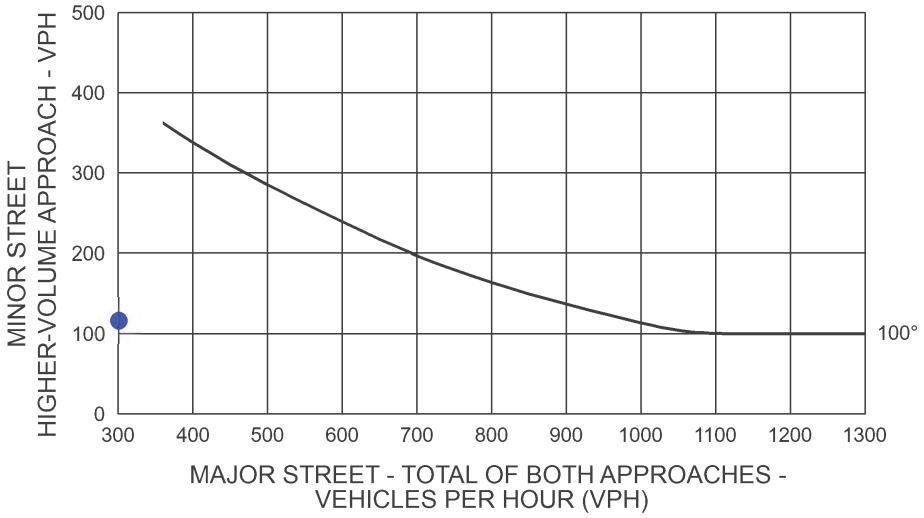


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 3

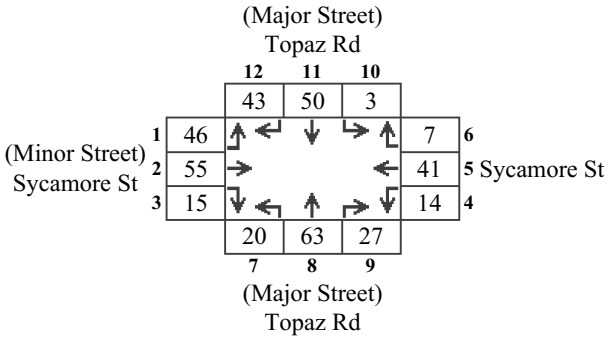


Major Total: 206
Minor High Volume: 116

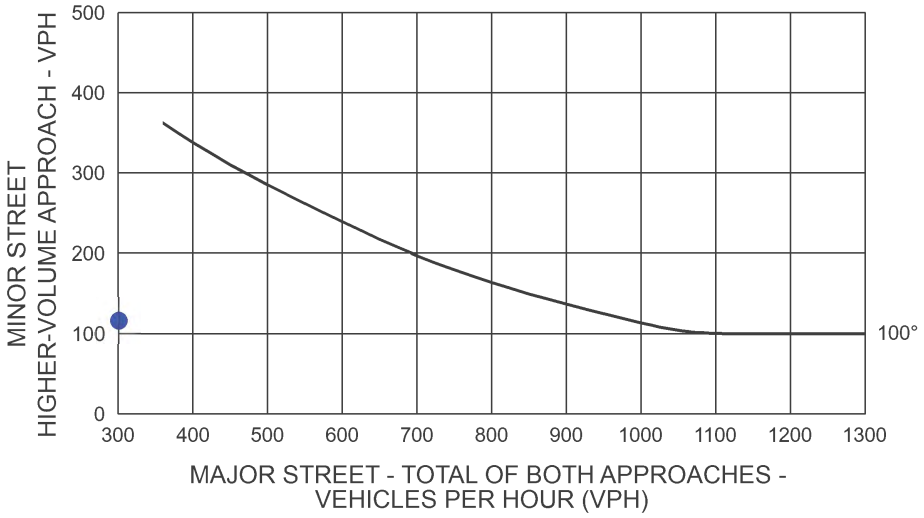


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing+Project
Intersection #: 3

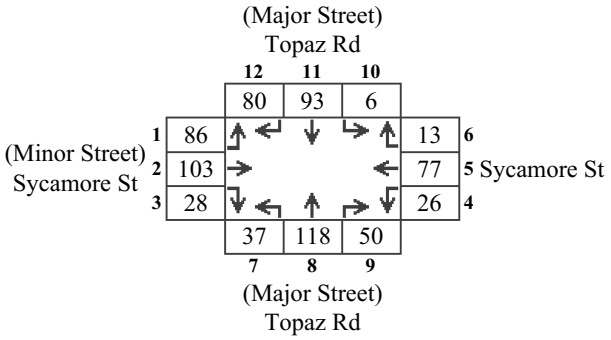


Major Total: 206
Minor High Volume: 116

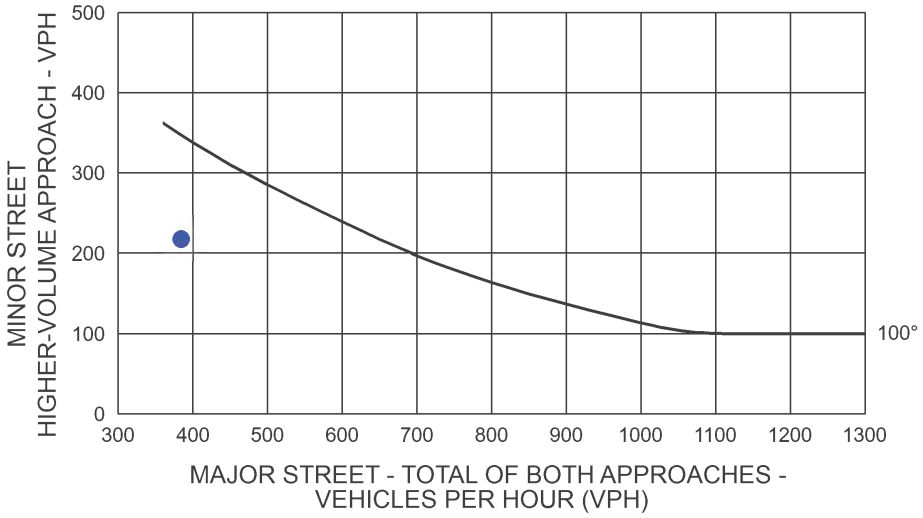


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 3

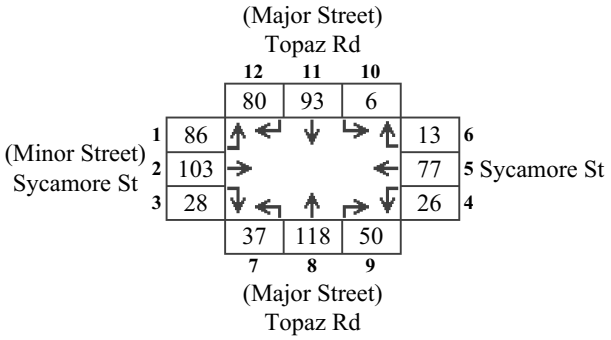


Major Total: 384
Minor High Volume: 217

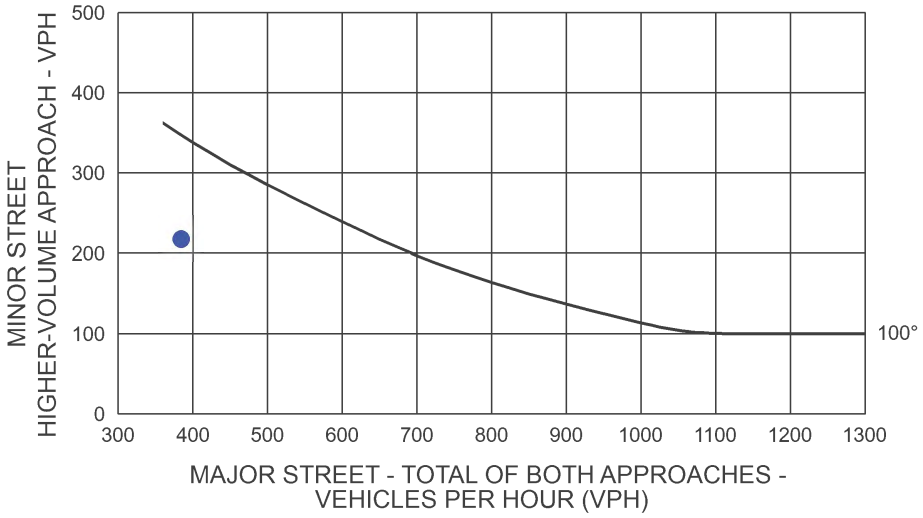


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 3



Major Total: 384
Minor High Volume: 217

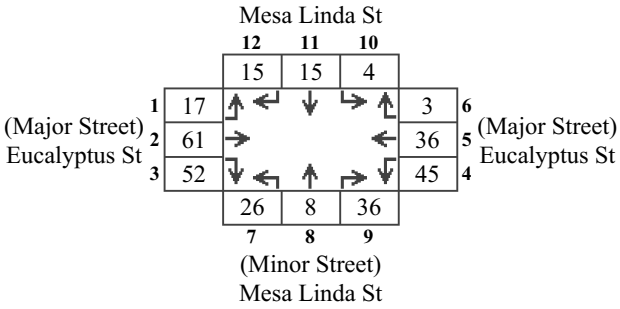


Intersection 4
SR 395 & Eucalyptus St

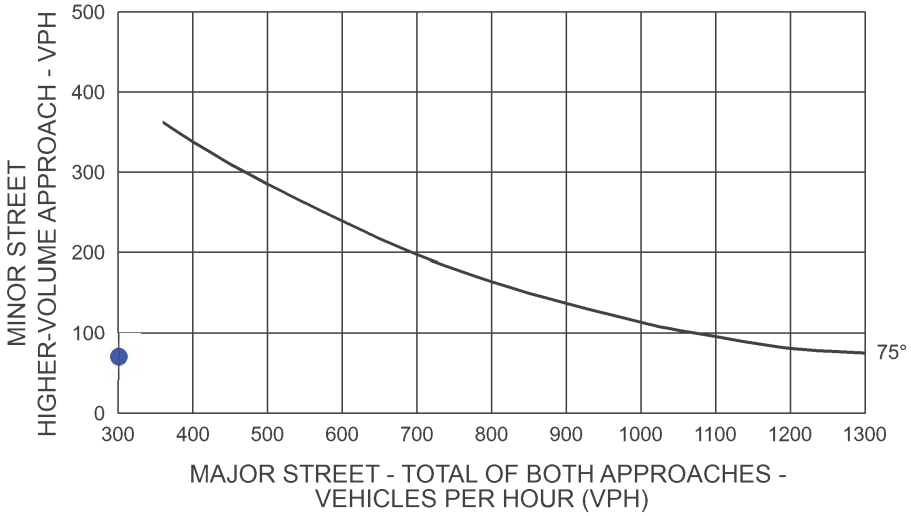
Intersection 5
Mesa Linda St & Eucalyptus St

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 5

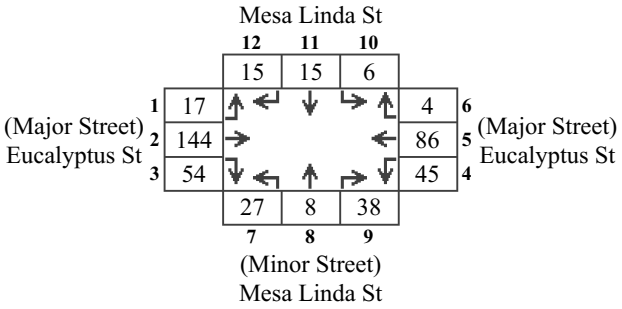


Major Total: 214
Minor High Volume: 70

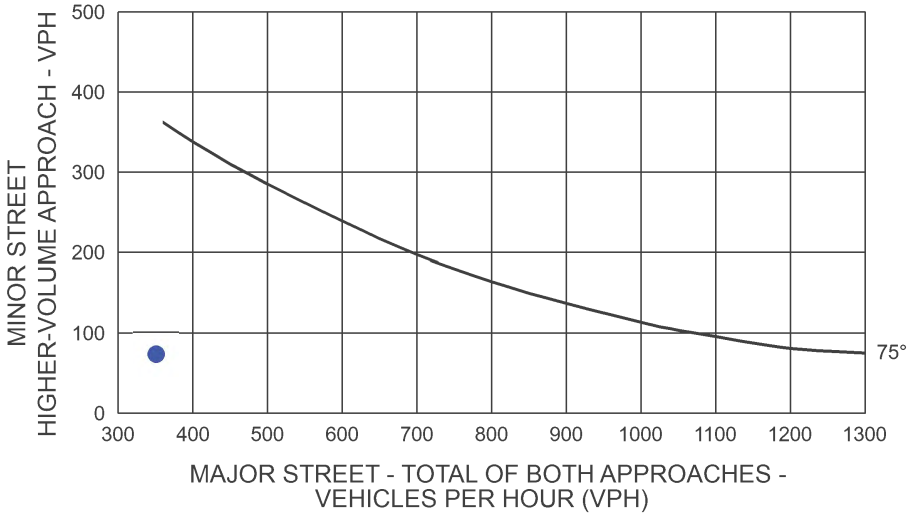


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing+Project
Intersection #: 5

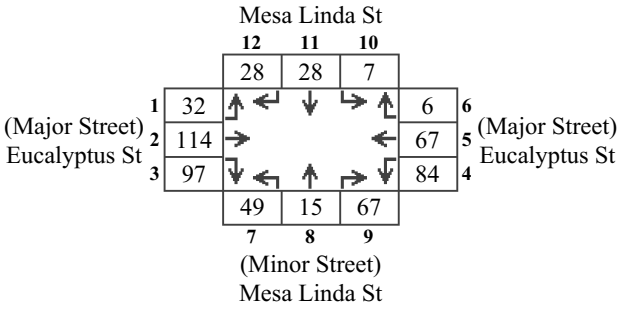


Major Total: 350
Minor High Volume: 73

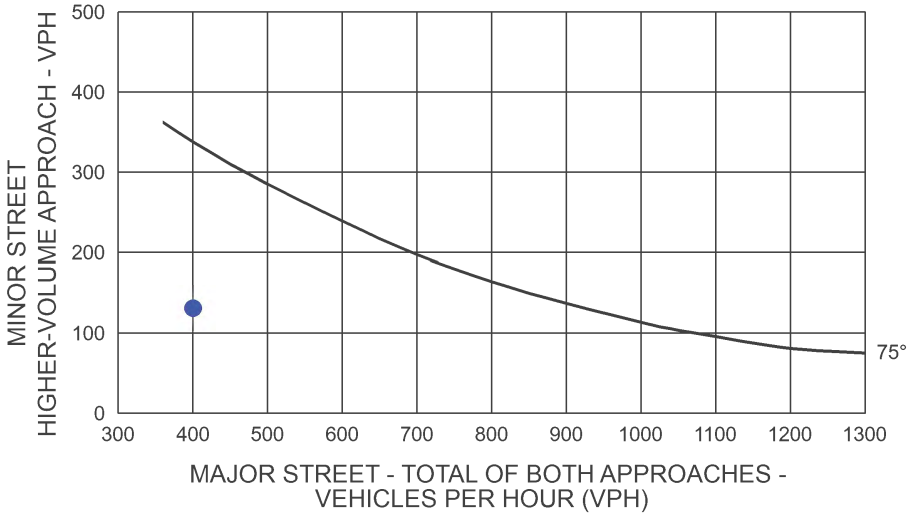


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 5

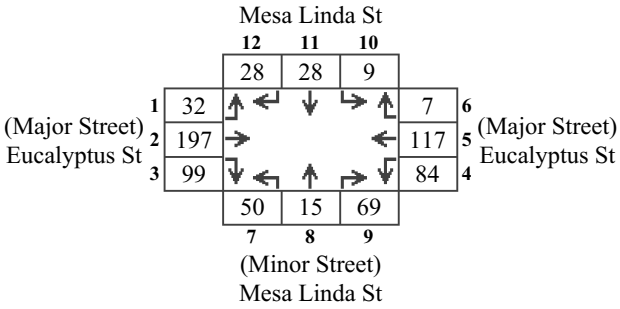


Major Total: 400
Minor High Volume: 131

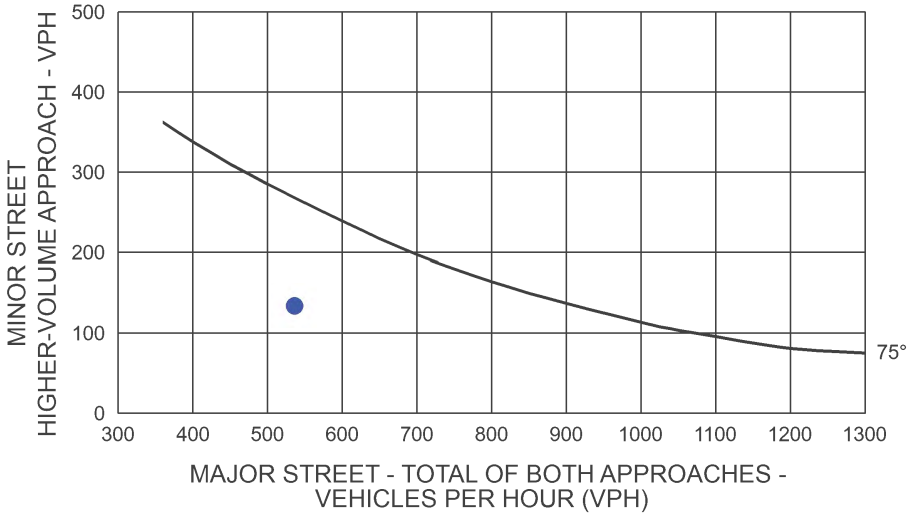


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 5

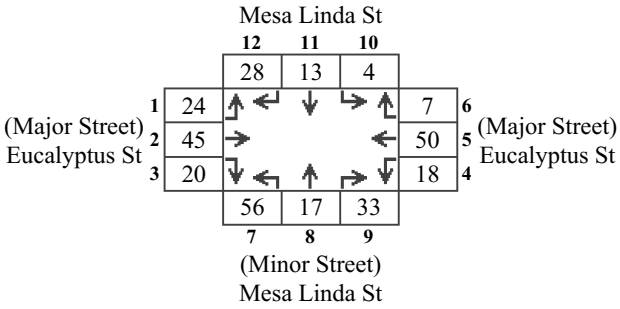


Major Total: 536
Minor High Volume: 134

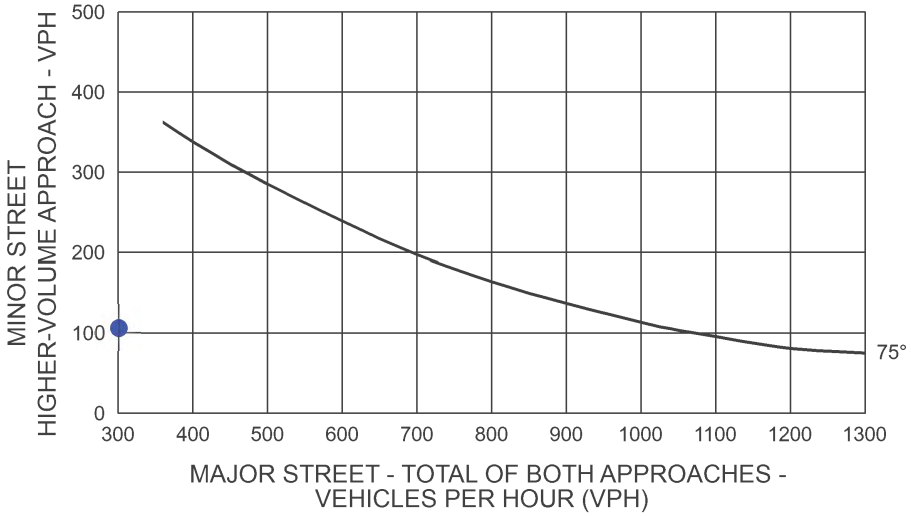


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 5

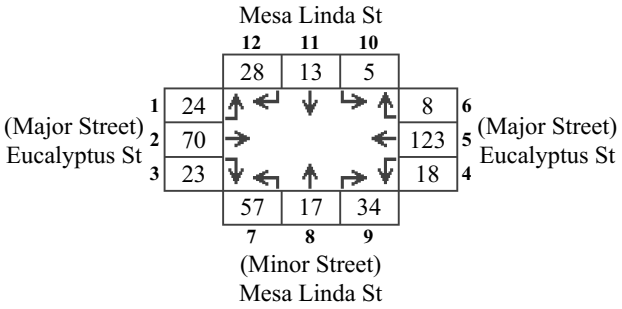


Major Total: 164
Minor High Volume: 106

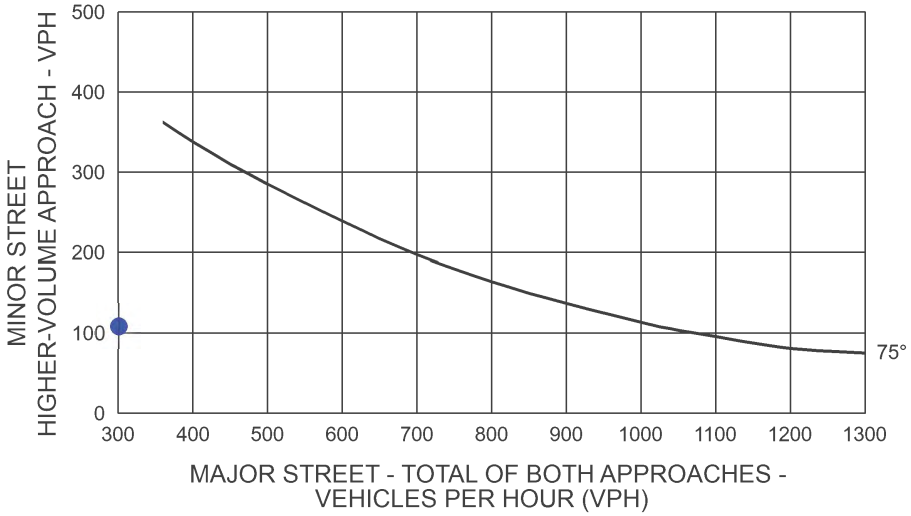


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing+Project
Intersection #: 5

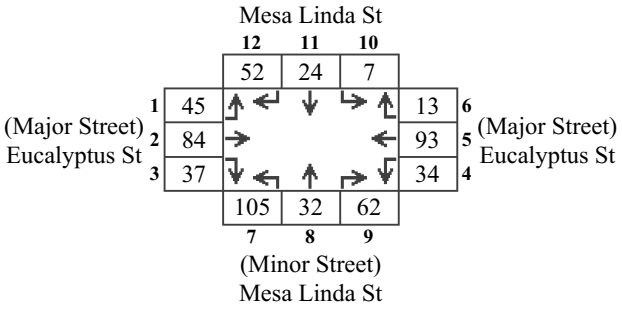


Major Total: 266
Minor High Volume: 108

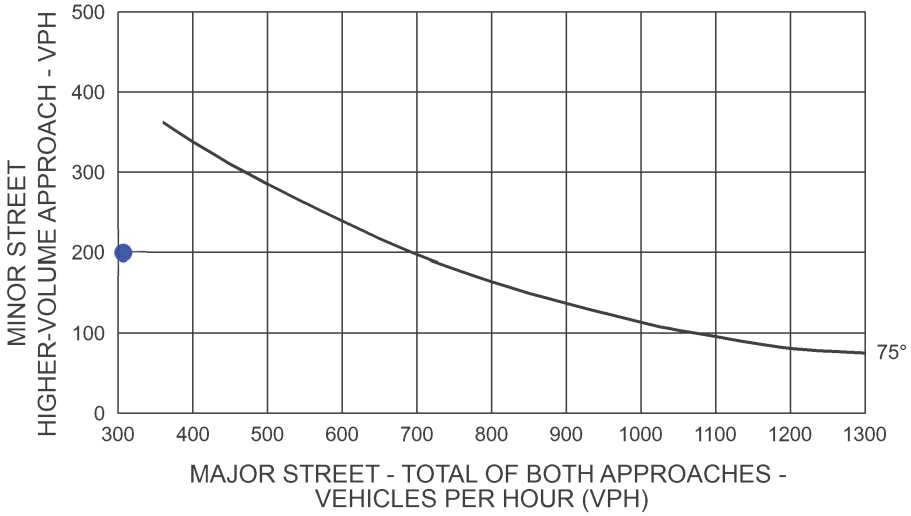


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 5

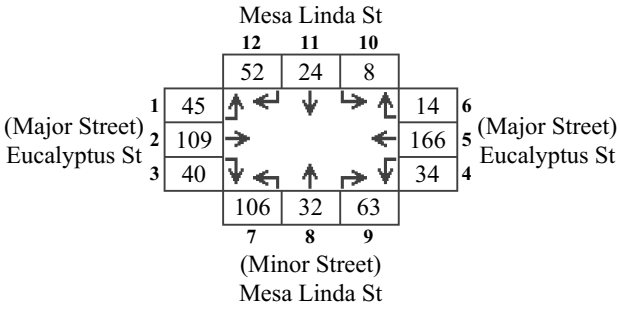


Major Total: 306
Minor High Volume: 199

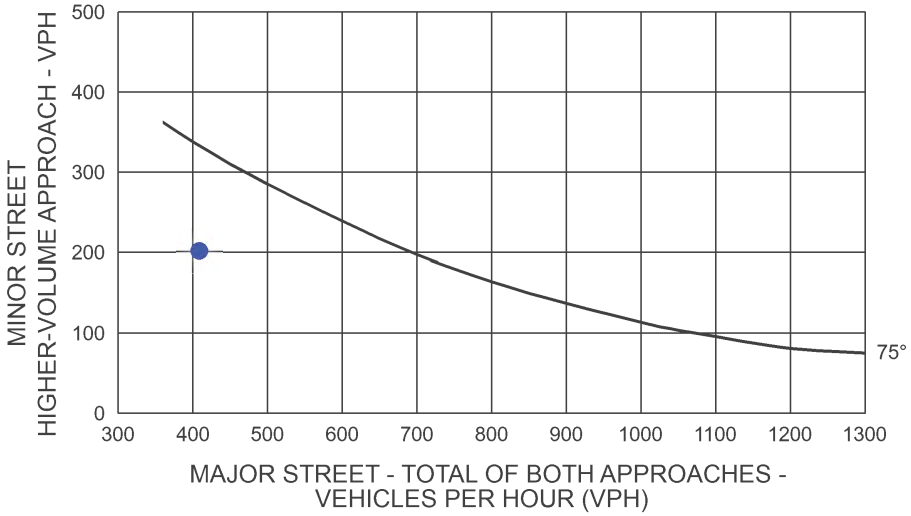


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 5



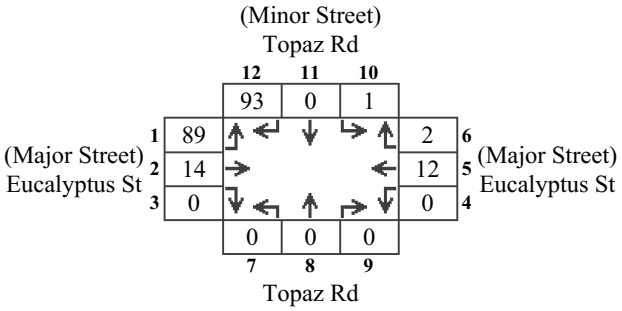
Major Total: 408
Minor High Volume: 201



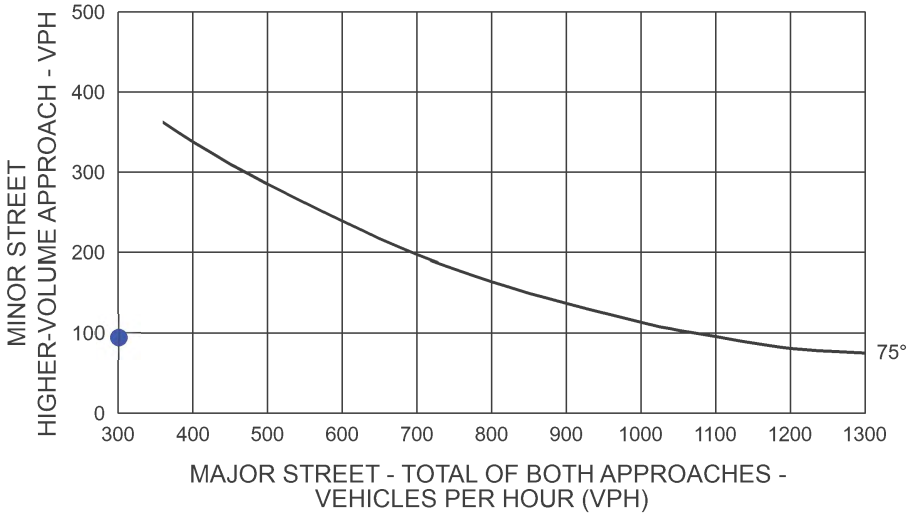
Intersection 6
Topaz Rd & Eucalyptus St

Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing
Intersection #: 6

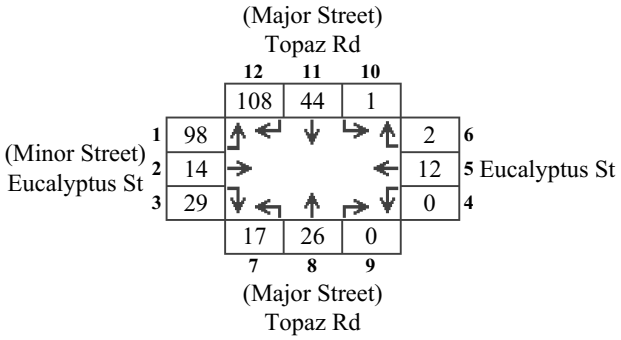


Major Total: 117
Minor High Volume: 94

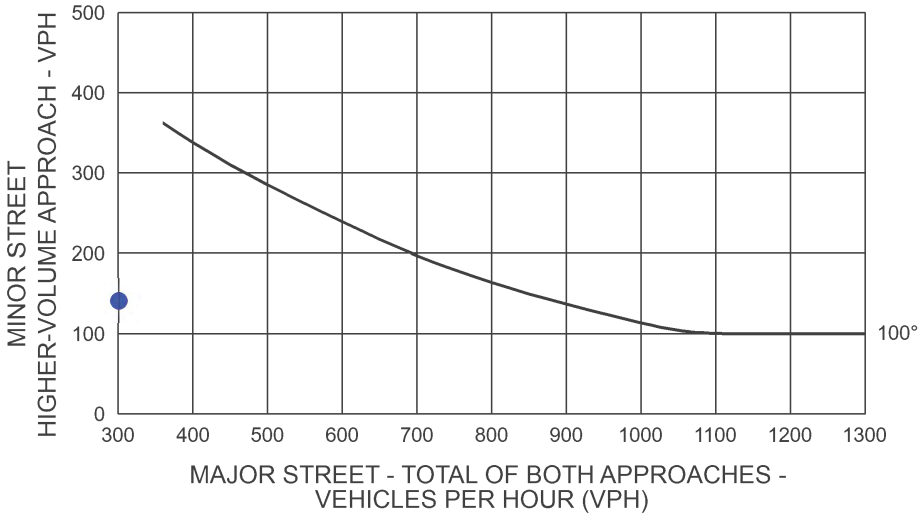


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Existing+Project
Intersection #: 6

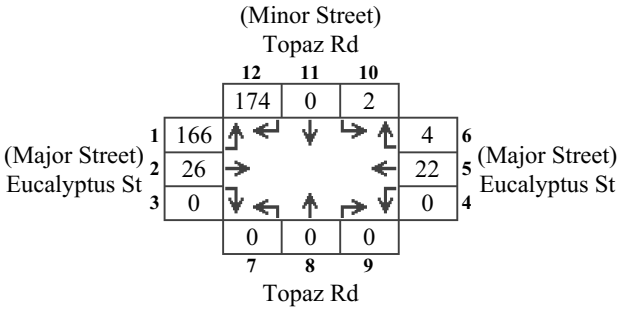


Major Total: 196
Minor High Volume: 141

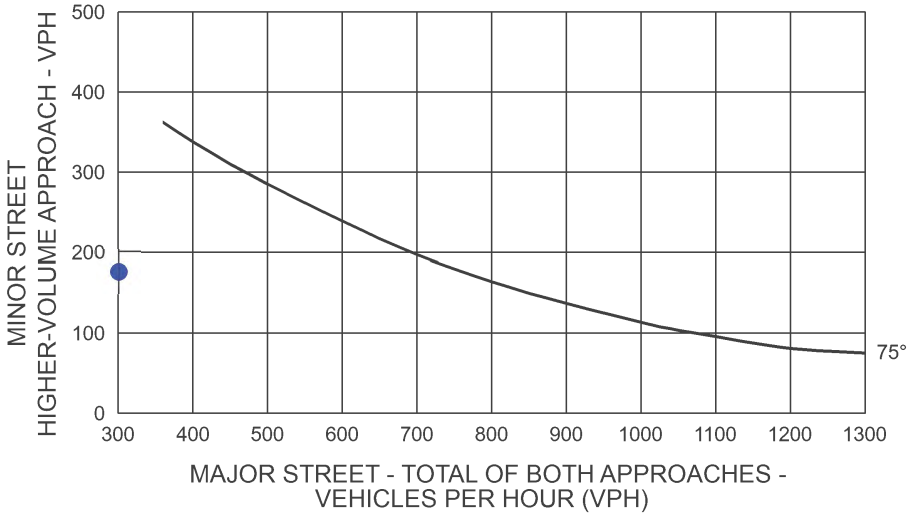


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future
Intersection #: 6

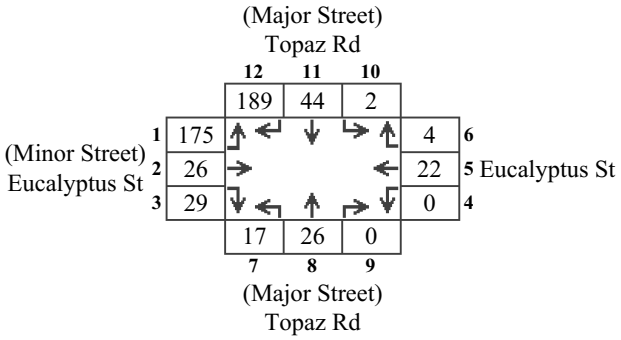


Major Total: 218
Minor High Volume: 176

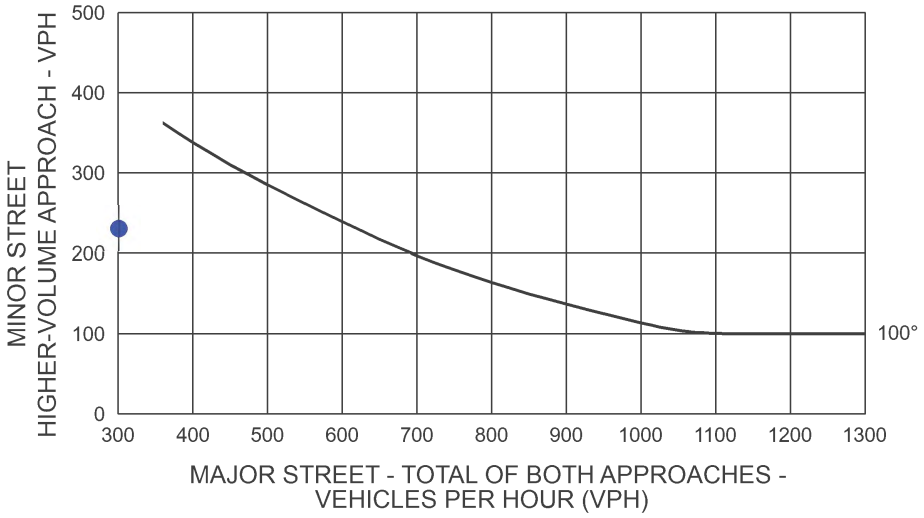


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: PM Future+Project
Intersection #: 6

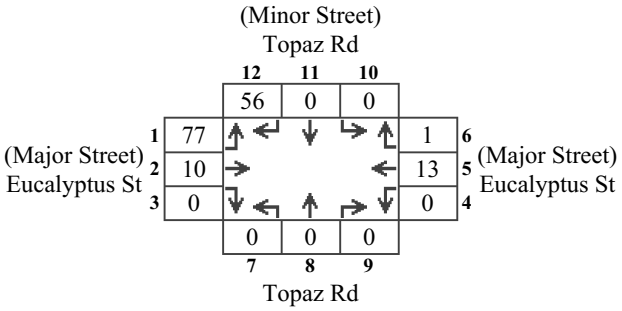


Major Total: 278
Minor High Volume: 230

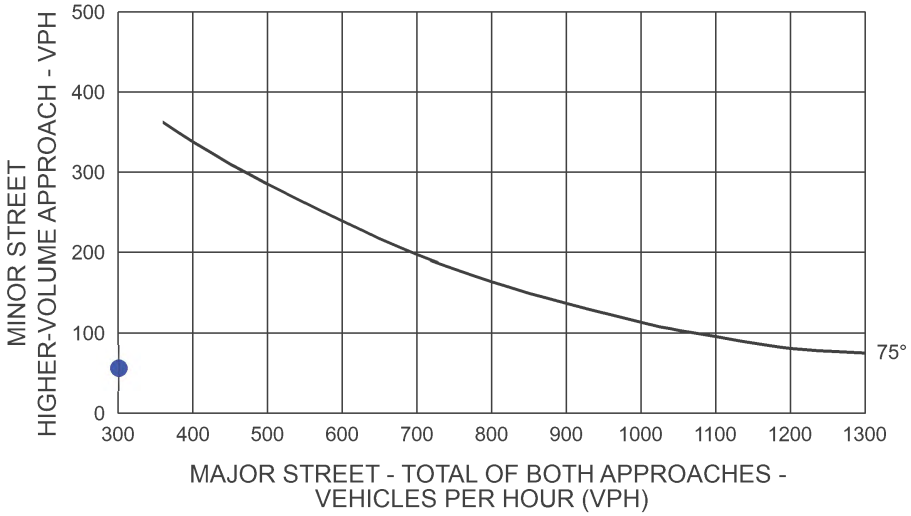


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing
Intersection #: 6

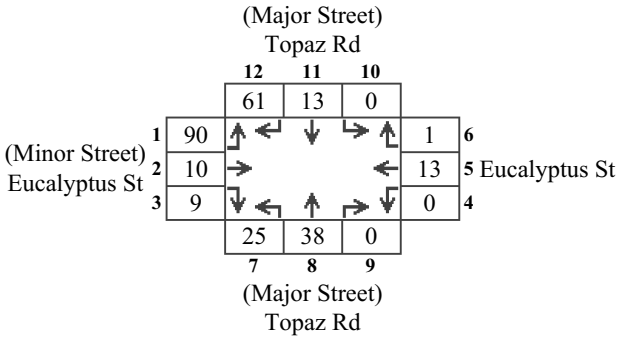


Major Total: 101
Minor High Volume: 56

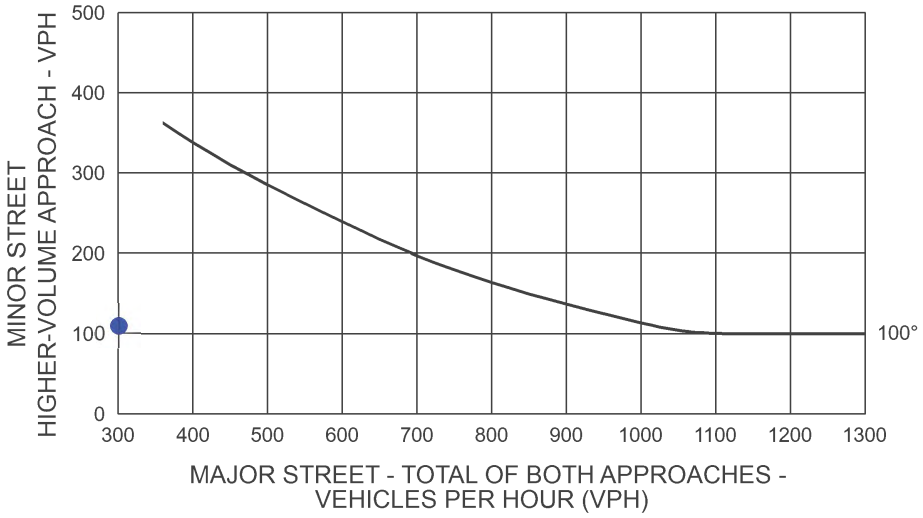


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Existing+Project
Intersection #: 6

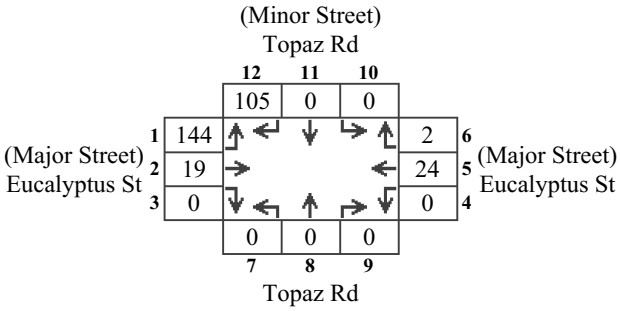


Major Total: 137
Minor High Volume: 109

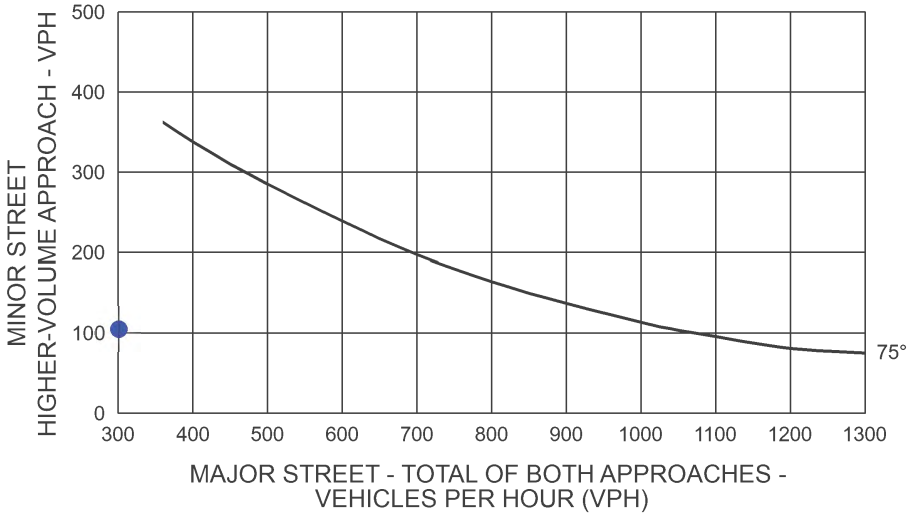


Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future
Intersection #: 6

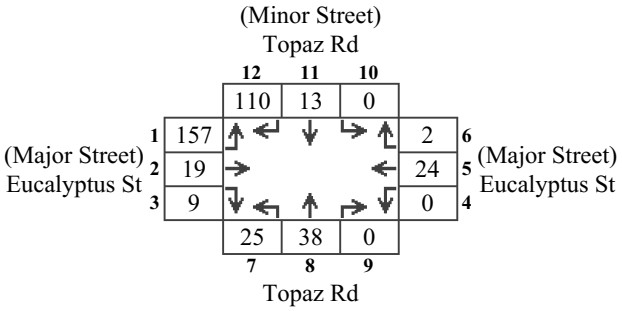


Major Total: 189
Minor High Volume: 105

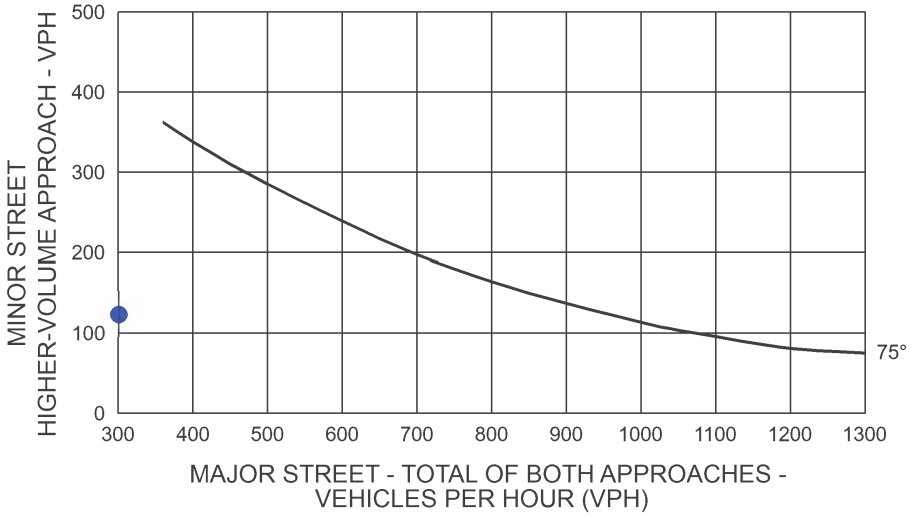


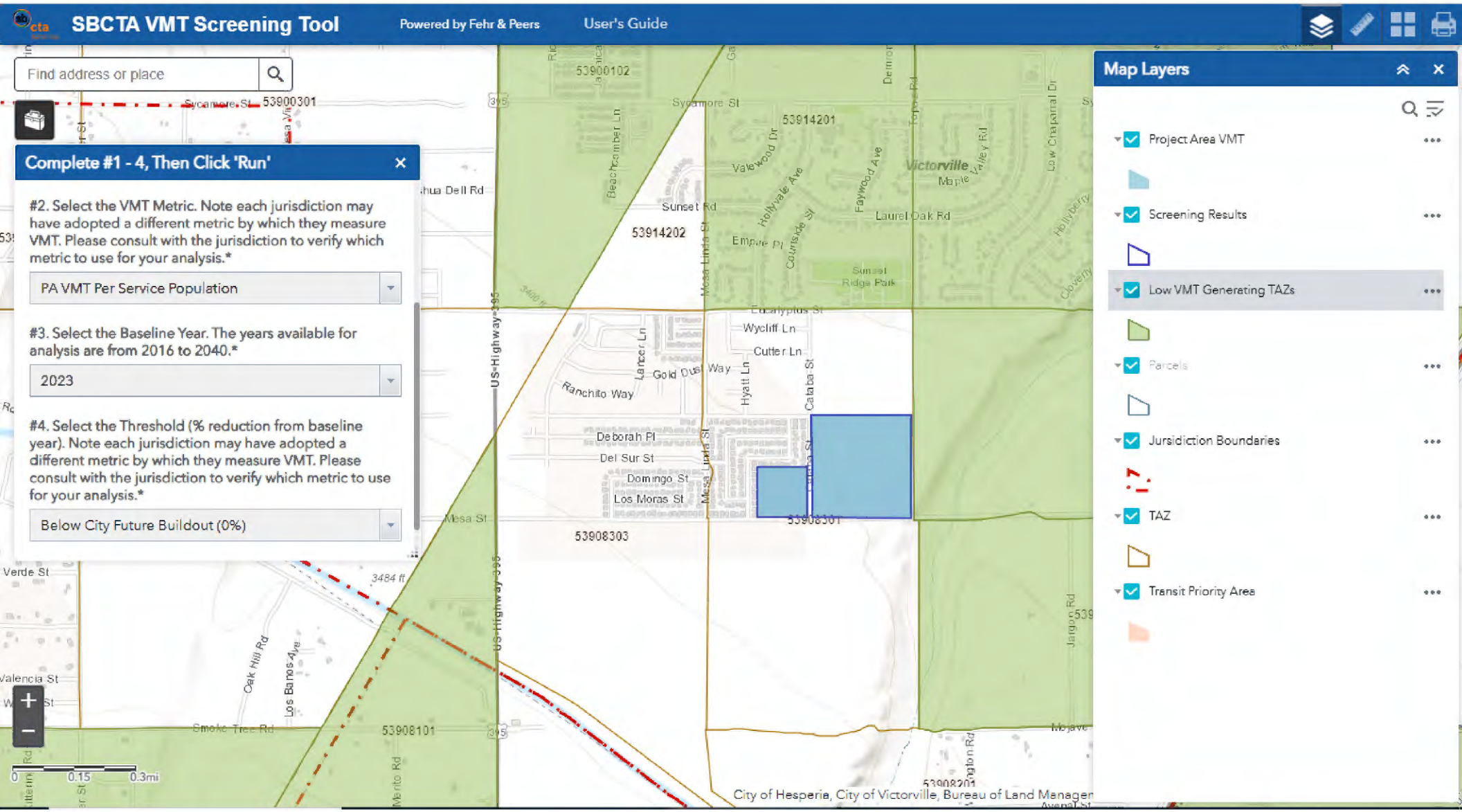
Rural Peak Hour Signal Warrant
Intersection Does Not Meet Signal Warrant

Scenario: AM Future+Project
Intersection #: 6



Major Total: 211
Minor High Volume: 123




SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
Find address or place
Complete #1 - 4, Then Click 'Run'
#2. Select the VMT Metric. Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
PA VMT Per Service Population
#3. Select the Baseline Year. The years available for analysis are from 2016 to 2040.*
2023
#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
Below City Future Buildout (0%)
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
53900102
53900301
53914201
53914202
53908303
53908301
53908101
Sycamore St
Sunset Rd
Valewood Dr
Hollyvale Ave
Faywood Ave
Victorville
Laurel Oak Rd
Sunset Ridge Park
Wycliff Ln
Cutter Ln
Gold Dust Way
Ranchito Way
Deborah Pl
Del Sur St
Domingo St
Los Moras St
Mesa St
Verde St
Valencia St
Smoke Tree Rd
Oak Hill Rd
Los Banos Ave
US-Highway 395
Mesa Linda St
Catalina St
Hyatt Ln
Lancer Ln
3484 ft
0.15
0.3mi
City of Hesperia, City of Victorville, Bureau of Land Manager

CARLSBAD
CLOVIS
IRVINE
LOS ANGELES
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROSEVILLE
SAN LUIS OBISPO

MEMORANDUM

DATE: August 07, 2023

TO: Linda J Hakimi, P.E.

FROM: Ambarish Mukherjee, P.E., AICP

SUBJECT: TTM 20576 Residential Project Vehicle Miles Traveled Analysis Memorandum

LSA has prepared this Vehicle Miles Traveled (VMT) Analysis Memorandum (Memo) for the proposed TTM 20576 Residential development (project) located at the northwest corner of Topaz Road and Mesa Street in the City of Victorville (City). The project proposes to develop 246 single family dwelling units.

BACKGROUND

On December 28, 2018, the California Office of Administrative Law cleared the revised California Environmental Quality Act (CEQA) guidelines for use. Among the changes to the guidelines was removal of vehicle delay and level of service from consideration under CEQA. With the adopted guidelines, transportation impacts are to be evaluated based on a project generated VMT.

The City adopted its VMT guidelines (guidelines) through Resolution No. 20-031 "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VICTORVILLE CITY COUNCIL ADOPTING LOCAL GUIDELINES FOR VEHICLE MILES TRAVELED(VMT) THRESHOLDS OF SIGNIFICANCE FOR PURPOSES OF ANALYZING TRANSPORTATION IMPACTS UNDER 'THE CALIFORNIA ENVIRONMENTAL QUALITYACT(CEQA)", June 23, 2020. The resolution contains the VMT analysis methodologies for non-screened development. Additionally, the City recommended using the screening criterion from the guidelines to determine whether a project could be screened out from a detailed VMT analysis.

Project Screening Determination

The guidelines provide multiple screening criteria for land use projects based on project trip generation and project land use type. The project was compared with the screening criteria established guidelines to check if the project can be screened out. Following is a brief description about the project in relation with the project screening criteria:

- **Daily Vehicle Trip thresholds:** The guidelines established 1,285 or less weekday daily trips as the screening threshold. Therefore, if the project trip generation is less than 1,285 daily trips based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, latest edition, the project can be screened out of a detailed VMT analysis. Based on ITE trip generation manual 11th edition, the project generates 2,320 daily trips (ITE LU 210) which is greater than 1,285 and therefore the project cannot be screened out using this criteria.

- **Land Use Types:** The guidelines identify land uses/land use types that can be screened out of a detailed VMT analysis. The project land use doesn't meet any screening criteria under this category. Therefore, the project cannot be screened out of a detailed VMT analysis.

As such, the project could not be screened out of VMT analysis. Therefore, a detailed VMT analysis was conducted to assess the project's VMT impact.

Detailed VMT Analysis Methodology

The detailed VMT analysis was conducted using the San Bernardino Traffic Analysis Model (SBTAM). Additionally, as recommended in the city's guidelines, VMT per service population (population + employment) metric was used for this analysis. As included in the guidelines, project generated VMT impact needs to be evaluated by comparing project generated VMT per service population with the City's General Plan Buildout VMT per service population. The guidelines recommend use of Production/Attraction (PA) VMT per service population for projects with single land use type and use of Origin/Destination (OD) VMT per service population for projects with mixed land use types. The project consists of single land use type (residential) and therefore PA VMT per service population was used to estimate project VMT impact. The City's General Plan Buildout scenario VMT per service population was estimated using LSA's "no project" model run using the same methodology as the project VMT per service population.

Project's effect on VMT needs to be determined by comparing the citywide VMT per service population for baseline plus project scenario with corresponding no project scenario metric. The following is a detailed description of the VMT analysis:

Project Traffic Analysis Zone Update

The first step in preparation of this analysis was to update the traffic analysis zone (TAZ) in the model that includes the project area. Since, SBTAM does not allow addition of new TAZs, non-project related land use for the project location TAZ was moved to an adjacent TAZ and the project land use was added in this TAZ. The project TAZ was utilized to calculate project specific VMT per service population. Project land uses were converted into model socioeconomic data for inclusion in the travel model TAZ.

Model Runs and Project VMT Estimation

Model runs were conducted for this updated with project model scenarios after incorporating the project land use as described above. Project VMT was estimated from SBTAM model runs using production-attraction trip matrices and by multiplying them with the final assignment skim matrices. The extracted project VMT was divided by the estimated project service population to develop the project VMT per service population.

VMT Analysis

Project VMT Impact

Table A summarizes the project and city's threshold VMT per service population for the base year. As shown in Table A, the project's VMT per service population is 1.9 percent lower than the city's

threshold. Therefore, based on the guidelines, the project will not have a significant VMT impact for the base year.

Detailed VMT calculation for the project is included in Appendix A.

Table A: Base Year Project and Threshold VMT per Service Population

VMT Metric	2016 TTM 20576 (Project)	City of Victorville General Plan Buildout (Threshold) *	Difference	% Difference
PA VMT per service population	25.8	26.3	-0.5	-1.9%

* *Estimated using "No project" SBTAM base year (2040) model runs*

Project's Effect on VMT

Table B summarizes the base year no project and with project citywide roadway VMT per service population. As shown in Table B, the with project citywide roadway VMT per service population is 0.7 percent lower than the no project metric. As such, the project's effect on VMT for the base year is less than significant.

Detailed VMT calculation for the project is included in Appendix A.

Table B: Base Year (2016) Citywide Roadway VMT per Service Population

2016	With Project	No Project	Difference	% Difference
City of Victorville	13.9	14.0	-0.1	-0.7%

Conclusion

Based on the VMT analysis as shown in above tables A and B, the project doesn't constitute a significant impact for both "project generated VMT" and "project's effect on VMT.

ATTACHMENTS

Appendix A: VMT Calculation Worksheet

LSA

Appendix A - VMT Calculation Worksheet

TTM 20576, City of Victorville - VMT Analysis

Project generated VMT

	2016 TTM 20576 (Project)	City of Victorville General Plan Buildout (Threshold) *
Population	1,087	174,718
Employment	-	50,493
Service Population	1,087	225,211
PA VMT	28,083	5,931,988
PA VMT per service population	25.8	26.3

* *Estimated using "No project" SBTAM base year (2040) model run*

Project's effect on VMT (roadway VMT) - Within City of Victorville

2016	With Project	Without Project
Roadway VMT	2,260,258	2,260,039
Service population	162,042	160,955
VMT per service population	13.9	14.0