# **Technical Memorandum**

Date:	Wednesday, February 16, 2022
Project:	Markham Street Improvement Project
То:	Alfredo Martinez, RCTD
From:	Doug Smith, HDR
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Subject:	Markham Street Roadway Improvement Project Traffic Impact Assessment Technical Memorandum

# 1 Introduction

# 1.1 Project Overview and Purpose

The Riverside County Transportation Department (RCTD) is considering implementing improvements to extend portions of Markham Street in Riverside County (County) to improve traffic circulation systems within the community.

# 1.2 Project Description

The improvements would occur along an approximately 1.3-mile segment of Markham Street between Roosevelt Street and Wood Road in the community of Woodcrest in Riverside County, California. The existing study segment is a two-lane Collector Highway and consists of a rural paved road and a dirt road which ends east of Roosevelt Street. The intent of the project is to develop Markham Street to its interim roadway classification, which is a Collector Highway per Riverside County standards. The study segment is ultimately planned as a four-lane Secondary Highway (two lanes in either direction). With the interim improvements in this memo, Markham Street would function as a two-lane collector roadway (one lane in either direction) with sidewalks and curbs along the entire length of the study segment.

The Markham Street study segment was developed per Riverside County Standard 94 for a Collector Highway. The proposed layout of the study segment is provided in Appendix A. The alignment will generally follow the existing right of way and property lines in the area to create a straight alignment between Roosevelt Street and Wood Road.

Proposed intersection improvements at the Roosevelt Street intersection include intersection geometry changes and traffic stop signs. The intersection at Roosevelt Street would be modified to a three-leg T-intersection. The dirt road on the east leg is proposed to become a paved segment. The intersection was evaluated and did not meet the peak hour signal warrant. At the



Wood Road and Markham Street intersection, the addition of an exclusive eastbound through lane is proposed to provide smooth conversion into two eastbound through movements downstream of the intersection. The four intersections will require roadway modifications to develop curb returns and pedestrian accessible ramps.

The roadway profile has been developed to generally follow the existing grades to limit the earthwork requirements and allow for the tie in of existing driveways.

# 1.3 Memorandum Organization

This memo is intended to present the traffic forecasting methodology, the traffic operation analysis methodology, the traffic analysis and Vehicle Miles Traveled (VMT) analysis results under existing 2021, future opening year 2024, and future horizon year 2044 conditions at the study locations.

Following the Introduction chapter, this report was organized into the following chapters:

- 2.0 Traffic Data and Analysis Methodology This section presents the existing traffic count, existing peak hour volumes, future year traffic forecasting methodology and forecasts. This chapter also describes the methodologies and thresholds utilized to analyze VMT, roadway and intersection traffic conditions.
- 3.0 Existing 2021 Traffic Conditions This section describes the existing traffic network within the study area and provides analysis results for existing traffic conditions.
- 4.0 Opening Year 2024 Traffic Conditions This section used the opening year 2024 forecasts and provides analysis for build and no build conditions.
- 5.0 Horizon Year 2044 Traffic Conditions This section applied horizon year 2044 forecasts and provides analysis for build and no build conditions. This section also presents VMT evaluation for years 2012 and 2040.
- 6.0 Summary and Conclusions This section summarizes the results for the project impacts and provides the conclusions.
- 7.0 References This section presents the reference list used for this study.



# 2 Traffic Data and Analysis Methodology

This section describes the study area, detailed analysis scenarios, collected existing data including traffic count and accident data, future year traffic volume development methodology, and traffic operations analysis methodology.

# 2.1 Study Area

The project location of Markham Street between Roosevelt Street and Wood Road is within the County of Riverside. The general study area is shown in **Figure 1** and **Figure 2**. **Figure 2** reflects the ultimate roadway conditions as planned by RCTD with four lanes and classified as a Secondary Highway. The proposed lane configuration in this memo would serve as the interim geometry. For the purposes of this constraint analysis and based on the preliminary engineering design, the study area includes the furthest extent of proposed roadway improvements and is bounded by Roosevelt Street on the west, Wood Road on the east, Mariposa Avenue on the north, and Cajalco Road on the south.

The study area includes adjacent roadways that might be impacted by the proposed improvement project. of the following eight roadways within the project study area are analyzed in this memo:

- Markham Street west of Roosevelt Street
- Markham Street between Roosevelt Street and Wood Road
- Markham Street east of Wood Road
- Roosevelt Street north of Markham Street
- Wood Road north of Markham Street
- Wood Road south of Markham Street
- Mariposa Avenue between Roosevelt Street and Wood Road
- Cajalco Road between Harley John Road and Wood Road

This traffic study analyzes four (4) study intersections, which represent key locations along Markham Street as listed below and are presented in **Figure 3**.

- 1. Roosevelt Street and Markham Street
- 2. Birch Street and Markham Street
- 3. Cedar Street and Markham Street
- 4. Wood Road and Markham Street

# 2.2 Analysis Scenarios

The proposed roadway improvements could be place by 2024 therefore the opening year is assumed to be year 2024. The horizon year is assumed to be year 2044 based on the 20-year planning horizon requirement for design. The following scenarios are analyzed:

- Existing Traffic Conditions Year 2021
- Opening Year 2024 Alternative 1 No Build
- Opening Year 2024 Alternative 2 With Build



- Horizon Year 2044 Alternative 1 No Build
- Horizon Year 2044 Alternative 2 With Build

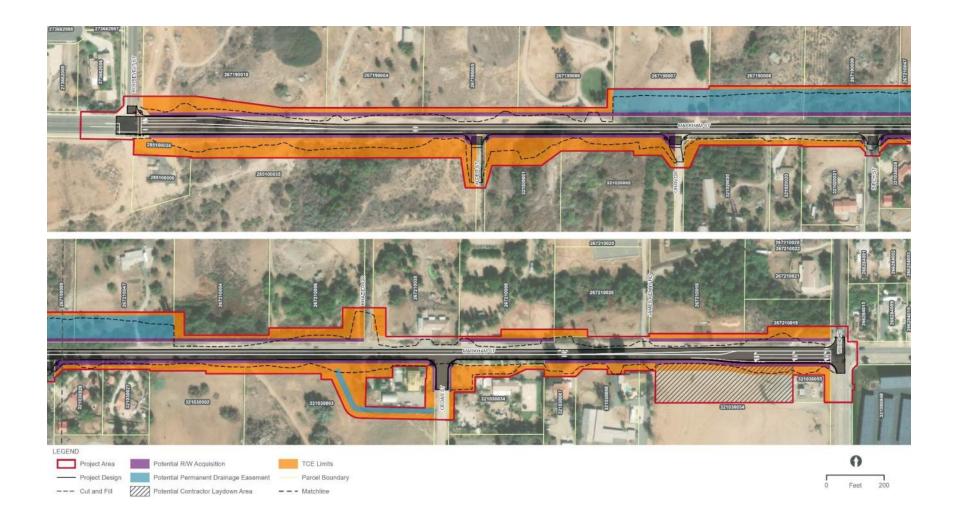


Figure 1. Regional Project Location Map





Figure 2. Project Location Map





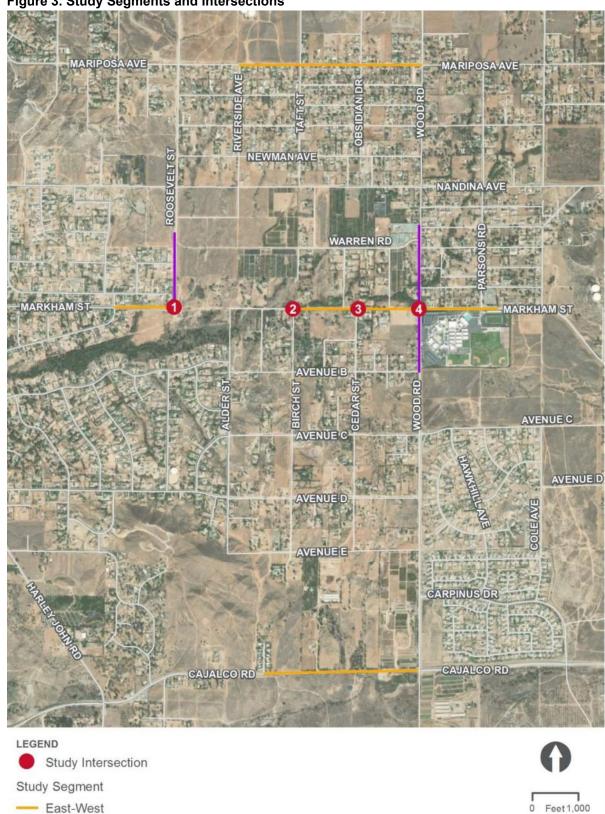


Figure 3. Study Segments and Intersections



North-South

### 2.3 Data Collection

#### 2.3.1 Existing Traffic Volumes

Existing traffic counts at the roadway segments and study intersections were collected on Thursday, September 23, 2021. The Citrus Hill High School located next to the intersection of Markham Street and Wood Road was in session on the day the traffic counts were conducted.

Daily traffic data was also collected on September 23, 2021 to confirm the peak hours of the day and identify operational characteristics of the study roadway segments. The roadway segment counts are used in the development of future forecasts. Roadway segment average daily traffic (ADT) data is summarized in Table 2-1.

Table 2-1. Existing 2021 Roadway Segment Bi-direction ADT

Roadway Segment	Location	Existing 2021 ADT
Markham Street	West of Roosevelt Street	183
Markham Street	Btw Roosevelt Street and Wood Road	502
Markham Street	East of Wood Road	2,973
Roosevelt Street	North of Markham Street	131
Wood Road	North of Markham Street	6,319
Wood Road	South of Markham Street	6,672
Mariposa Avenue	Btw Roosevelt Street and Wood Road	813
Cajalco Road	Btw Harley John Road and Wood Road	23,347

Intersection turning movement counts were conducted during the AM and PM peak hours at all study intersections and used to develop the future year intersection turning movement volumes. Existing traffic count data are provided in Appendix B. The existing raw turning movement counts were post-processed to represent the worst-case traffic volumes especially for the turn movements with low volumes. Intersection peak hour turning movement volumes under Existing 2021 conditions are summarized in Table 2-2. As shown in the table, although there is no paved access at the east leg of Roosevelt Street and Markham Street intersection, traffic is observed using this approach. To represent the worst-case scenario, the east leg approach is included in the analysis.

#### 2.3.2 Intersection Control and Configuration

The intersection at Markham Street and Wood Road is a signalized intersection. The other three study intersections are unsignalized intersections. **Figure 4** presents the existing 2021 AM and PM peak hour intersection turning movement volumes at all four study intersections, together with the intersection lane configuration.



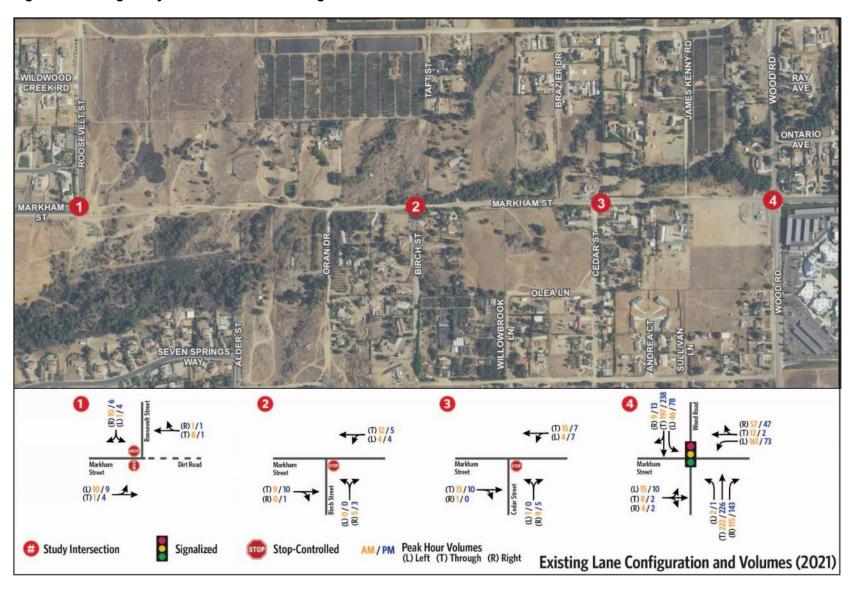
Table 2-2. Existing 2021 Intersection Peak Hour Volumes

	AM Peak Hour												
No.	Intersection (N/S & E/W)	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Roosevelt Street and Markham Street	0	0	0	1	0	10	10	1	0	0	8	1
2	Birch Street and Markham Street	0	0	5	0	0	0	0	9	0	4	12	0
3	Cedar Street and Markham Street	1	0	9	0	0	0	0	13	1	4	15	0
4 Wood Road and Markham Street		2	222	115	46	197	9	15	8	4	161	12	57
			ı	PM Pea	k Hour								
1	Roosevelt Street and Markham Street	0	0	0	4	0	6	9	4	0	0	1	1
2	Birch Street and Markham Street	0	0	3	0	0	0	0	10	1	4	5	0
3	Cedar Street and Markham Street	0	0	5	0	0	0	0	10	0	7	7	0
4	Wood Road and Markham Street	1	226	143	78	238	13	10	2	2	73	2	47

Note: NBL=Northbound left; NBT=Northbound through; NBR=Northbound right; SBL=Southbound left; SBT=Southbound through; SBR=Southbound right EBL=Eastbound left; EBT=Eastbound through; EBR=Eastbound right; WBL=Westbound left; WBT= Westbound through; WBR= Westbound right



Figure 4. Existing Study Intersection Lane Configuration and Peak Hour Volumes





# 2.4 Traffic Forecasting

### 2.4.1 Traffic Forecasting Methodology

The opening year 2024 and horizon year 2044 LOS analysis at each study intersection and street segment were based on the future year traffic forecasts. Traffic volumes were developed based on the latest available County Updated RivTAM model outputs. The raw RivTAM model outputs are presented in Appendix E. The following describes the development methodology and procedure for the future traffic forecasts:

- Socio-economic data of RivTAM for years 2007, 2012, 2035, and 2040 within the project area were obtained from the County.
- Base year 2012 and forecast year 2040 RivTAM model runs were conducted to obtain traffic volumes (ADT, AM peak period & PM peak period) under both build and no build for roadway segments by direction. The output daily volumes extracted from the model were used directly without any adjustments. The factors of 0.38 and 0.28 were used to covert the model output peak period volumes to the peak hour volumes in the AM and PM period, respectively.
- Yearly growth rate or increased trips were established between model base year 2012 and model forecast year 2040. Similarly, the post growth rate and differences from year 2040 to 2044 were also developed per the RivTAM model.
- Using the above calculated yearly growth rate or increased trips, the existing year 2021 traffic volumes were adjusted to develop the horizon year 2044 traffic volumes (ADT, AM peak hour, and PM peak hour) for roadway segments by direction.
- The horizon year 2044 intersection turning movements were determined by using the 2040 build and no build directional peak period volumes on roadway segments, intersection turning movement traffic counts, and post processing.
- Similarly, the same calculated growth rate or increased trips, interpolation of the traffic volumes (intersection and roadway segments) between existing year 2021 and horizon year 2044 were used to determine opening year 2024 traffic volumes.
- The segment and intersection forecasts for opening year 2024 and horizon year 2044 were compared to each other for reasonableness and adjusted accordingly.

Forecasts of AM and PM peak hour intersection volumes were developed based on the above-described methodology. The truck percentages for all study intersections were assumed to be 2% as the worst-case scenario as the RivTAM model truck percentage outputs along Markham Street segments are approximately 2% or below under all the conditions.

#### 2.4.2 Horizon Year 2044 Lane Configuration and Traffic Volumes

Horizon year 2044 build and no build intersection peak hour turning movement volumes were developed using the methodology described in Section 2.4.1. and are summarized in Table 2-3 and Table 2-4

The lane configuration under the year 2044 no build conditions is assumed to remain the same as that under the existing conditions. For this analysis, the project proposed configuration as a

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two-lane collector was assumed for year 2044 build conditions. The intersection at Roosevelt Street and Markham Street was assumed to be a three-leg intersection although the east leg is currently a dirt road. The proposed lane configuration at the study intersections and peak hour turning movement volumes under the year 2044 no build and build conditions are illustrated in **Figure 5** and **Figure 6**, respectively.

### 2.4.3 Opening Year 2024 Lane Configuration and Traffic Volumes

Opening year 2024 build and no build intersection peak hour turning movement volumes were developed using the methodology described in Section 2.4.1 and are summarized in Table 2-5 and Table 2-6.

As with the assumptions under the year 2044 build and no build conditions, the lane configuration under the year 2024 no build conditions remain same as that under the existing conditions. The proposed lane configuration at the study intersections and peak hour turning movement volumes under the year 2024 no build and build conditions are illustrated in **Figure 7** and **Figure 8**, respectively.



Table 2-3. Year 2044 No Build Intersection Peak Hour Volumes

	AM Peak Hour												
No.	Intersection (N/S & E/W)	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Roosevelt Street and Markham Street	0	0	0	1	0	11	11	1	0	0	9	1
2	Birch Street and Markham Street	0	0	6	0	0	0	0	10	0	4	13	0
3	Cedar Street and Markham Street	1	0	10	0	0	0	0	14	1	0	17	0
4	4 Wood Road and Markham Street		291	131	53	215	10	15	9	5	183	12	66
			ı	РМ Реа	k Hour								
1	Roosevelt Street and Markham Street	0	0	0	4	0	7	10	4	0	0	1	1
2	Birch Street and Markham Street	0	0	3	0	0	0	0	11	1	4	6	0
3	Cedar Street and Markham Street	0	0	6	0	0	0	0	11	0	8	0	0
4	Wood Road and Markham Street	1	260	196	158	321	14	10	3	2	84	2	49

Note: NBL=Northbound left; NBT=Northbound through; NBR=Northbound right; SBL=Southbound left; SBT=Southbound through; SBR=Southbound right EBL=Eastbound left; EBT=Eastbound through; EBR=Eastbound right; WBL=Westbound left; WBT= Westbound through; WBR= Westbound right

Table 2-4. Year 2044 Build Intersection Peak Hour Volumes

	AM Peak Hour												
No.	Intersection (N/S & E/W)	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Roosevelt Street and Markham Street	0	0	0	6	0	12	11	209	0	0	551	6
2	Birch Street and Markham Street	0	0	27	0	0	0	0	165	0	13	564	0
3	Cedar Street and Markham Street	5	0	18	0	0	0	0	137	41	4	538	0
4	Wood Road and Markham Street	63	292	24	7	203	49	60	60	17	95	393	38
			PI	M Peak	Hour								
1	Roosevelt Street and Markham Street	0	0	0	4	0	7	14	704	0	0	249	7
2	Birch Street and Markham Street	0	0	15	0	0	0	0	637	17	13	255	0
3	Cedar Street and Markham Street	0	0	23	0	0	0	0	598	0	8	244	0
4	Wood Road and Markham Street	53	300	68	9	210	22	65	574	31	29	160	4

Note: NBL=Northbound left; NBT=Northbound through; NBR=Northbound right; SBL=Southbound left; SBT=Southbound through; SBR=Southbound right EBL=Eastbound left; EBT=Eastbound through; EBR=Eastbound right; WBL=Westbound left; WBT= Westbound through; WBR= Westbound right



Figure 5. Year 2044 No Build Study Intersection Lane Configuration and Peak Hour Volumes

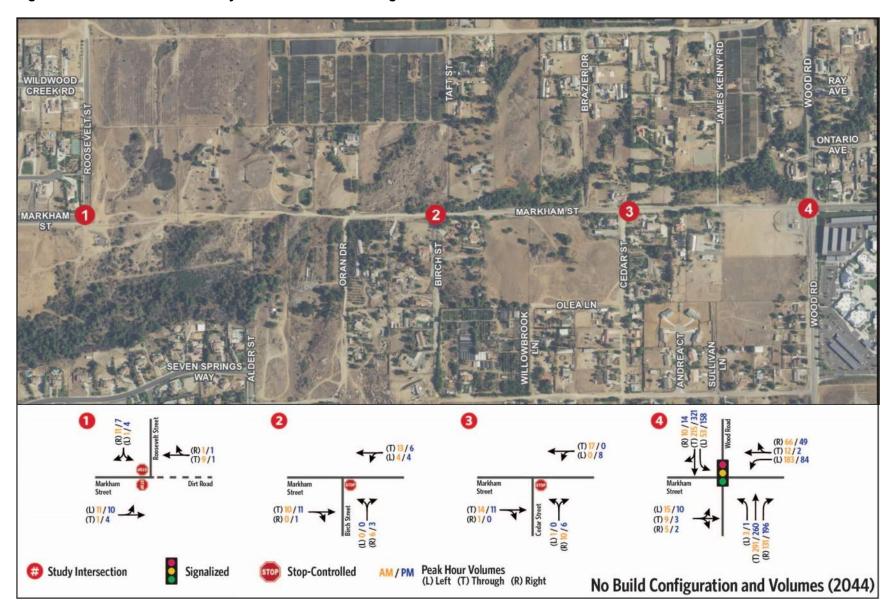




Figure 6. Year 2044 Build Study Intersection Lane Configuration and Peak Hour Volumes

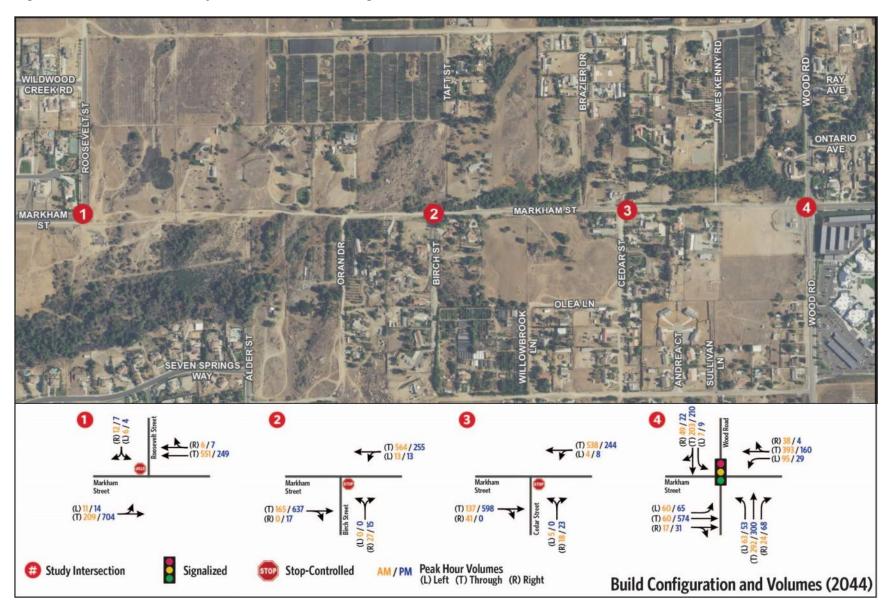




Table 2-5. Year 2024 No Build Intersection Peak Hour Volumes

	AM Peak Hour												
No.	No. Intersection (N/S & E/W) NBL NBT NBR SBL SBT SBR EBL EBT EBR WBL WBT W								WBR				
1	Roosevelt Street and Markham Street	0	0	0	1	0	10	10	1	0	0	8	1
2	Birch Street and Markham Street	0	0	5	0	0	0	0	9	0	4	12	0
3	Cedar Street and Markham Street	1	0	9	0	0	0	0	13	1	4	15	0
4	4 Wood Road and Markham Street		231	117	47	199	9	15	8	4	164	12	58
			ı	РМ Реа	k Hour								
1	Roosevelt Street and Markham Street	0	0	0	4	0	6	9	4	0	0	1	1
2	2 Birch Street and Markham Street		0	3	0	0	0	0	10	1	4	5	0
3	Cedar Street and Markham Street	0	0	5	0	0	0	0	10	0	7	7	0
4	Wood Road and Markham Street	1	230	150	88	249	13	10	2	2	74	2	47

Note: NBL=Northbound left; NBT=Northbound through; NBR=Northbound right; SBL=Southbound left; SBT=Southbound through; SBR=Southbound right EBL=Eastbound left; EBT=Eastbound through; EBR=Eastbound right; WBL=Westbound left; WBT= Westbound through; WBR= Westbound right

Table 2-6. Year 2024 Build Intersection Peak Hour Volumes

	AM Peak Hour												
No.	Intersection (N/S & E/W)	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	Roosevelt Street and Markham Street	0	0	0	6	0	11	10	113	0	0	519	5
2	Birch Street and Markham Street	0	0	23	0	0	0	0	149	0	13	521	0
3	Cedar Street and Markham Street	5	0	16	0	0	0	0	127	41	4	475	0
4	4 Wood Road and Markham Street		232	21	6	188	44	60	53	14	85	393	33
			ı	PM Pea	k Hour								
1	Roosevelt Street and Markham Street	0	0	0	4	0	6	13	548	0	0	206	7
2	Birch Street and Markham Street	0	0	15	0	0	0	0	579	17	13	213	0
3	Cedar Street and Markham Street	0	0	19	0	0	0	0	544	0	7	214	0
4	Wood Road and Markham Street	53	265	52	5	163	20	65	383	31	26	160	4

Note: NBL=Northbound left; NBT=Northbound through; NBR=Northbound right; SBL=Southbound left; SBT=Southbound through; SBR=Southbound right EBL=Eastbound left; EBT=Eastbound through; EBR=Eastbound right; WBL=Westbound left; WBT= Westbound through; WBR= Westbound right



Figure 7. Year 2024 No Build Study Intersection Lane Configuration and Peak Hour Volumes

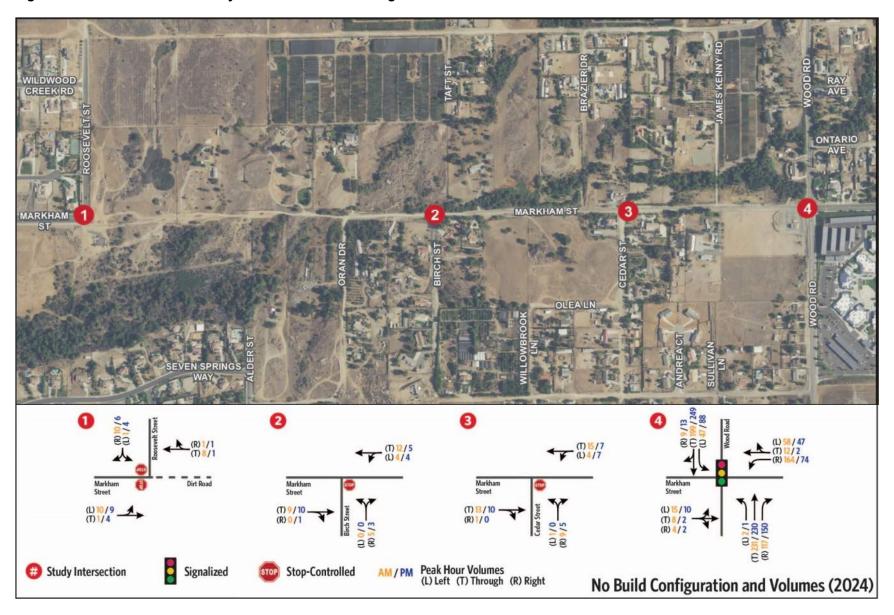
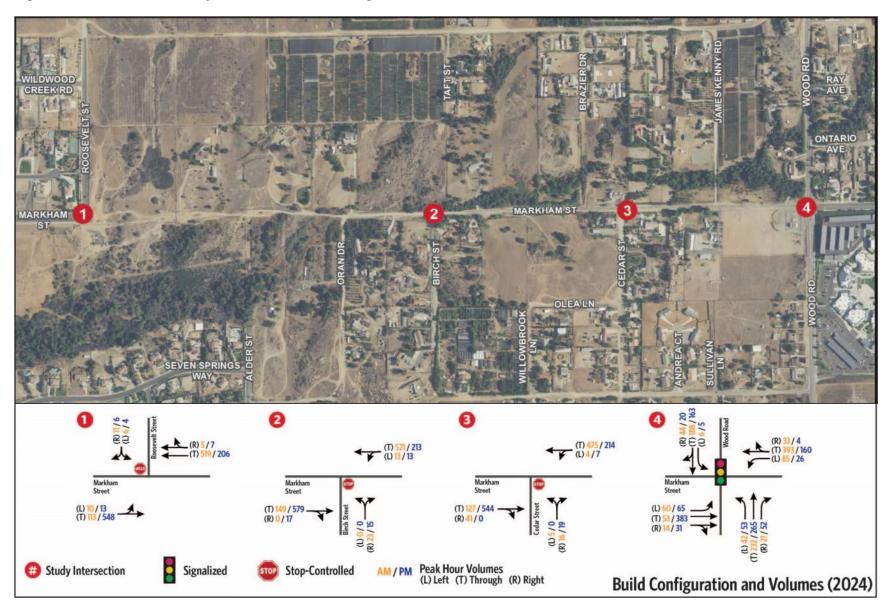




Figure 8. Year 2024 Build Study Intersection Lane Configuration and Peak Hour Volumes





#### 2.4.4 VMT data

The external trip length table was provided by the County. These average external trip lengths were multiplied by the external trips to derive the external VMT. The sum of the external VMT and the internal VMT extracted from the RivTAM model reflect the final total VMT. The total regional residential and work VMT data under the existing and future year build and no build scenarios were extracted directly from the RivTAM model runs and presented in Appendix E. Average residential VMT per Capita and work VMT per employee were also obtained from the model runs and presented in Appendix E. The process to calculate the average VMT using the RIVTAM model is consistent with that in Appendix E of the *Riverside County Transportation Analysis guidelines for Level of Service Vehicle Miles Traveled, December 2020, County of Riverside.* 

# 2.5 Traffic Operations Analysis Methodology

All traffic analyses was performed in accordance with County guidance. The analyses of highway segment and intersection traffic operations was based on the methodologies described in the Highway Capacity Manual 6<sup>th</sup> Edition (HCM). Detailed information on roadway segment, as well as methodologies, standards, and thresholds are discussed in this section.

To gauge traffic operational performance, level-of-service (LOS), a qualitative measure, is used to describe the driver's experience within a traffic stream in terms of speed, freedom to maneuver, traffic interruptions, and comfort. A letter grade from A through F is used to define LOS levels based on the traffic performance conditions. Level-of-service definitions by different types of systems (e.g., roadway segments or intersections) are presented below.

#### 2.5.1 Roadway Segment Level of Service Standards

The following sections present the level of service standards and thresholds used in the analysis of transportation network performance. County roadway segment LOS or operating conditions is generally defined in terms of a scale ranging LOS A (free flow) to LOS F (highly congested). Level of service criteria for roadway segments was obtained from the document *County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020.* 

For planning purposes, the County assigns roadway capacities and service levels based on number of lanes and roadway classification. Roadway segment LOS thresholds based on maximum roadway capacity, number of lanes and roadway classification are shown in Table 2-7. In the RIVTAM future year 2040 model, Markham Street and Wood Road are assumed to be four-lane arterials within the project study limits. To be conservative, Markham Street and Wood Road remain as the two-lane arterials under all the scenarios. Cajalco Road is currently a two-lane arterial. However, the post speed limit of 50 mph along Cajalco Road west of Wood Road is higher than a typical two-way collector arterial. Additionally, limited accesses within the study segment restrict the traffic flow interruption. Furthermore, Cajalco Road is planned to be an expressway in County's general plan. Therefore, half of the capacities for a four-lane expressway are used to represent the two-lane segment capacities along Caljalco Road under the existing and year 2024 conditions. Cajalco Road is proposed to be a six-lane expressway in the RIVTAM year 2035 model with the built out of all the accumulated projects. Accordingly, Cajalco Road is assumed to

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be a six-lane expressway under the future year 2044 conditions. In this report, the summarized roadway segment LOS use these established maximum roadway capacities (c) as shown in Table 2-7, along with the roadway daily traffic volumes (v), to determine service levels for the roadway segment, which is in terms of roadway segment daily traffic volume to maximum capacity (v/c) ratio. The relationship between LOS and the v/c ratio for roadways is presented in Table 2-8.

Table 2-7. Roadway Segment Level of Service Thresholds

Roadway	Number of	Maximum Two-Way Traffic Volume (ADT) based LOS Capacity Thresholds									
Classification	Lanes	С	D	E							
Collector	2	10,400	11,700	13,000							
Secondary	4	20,700	23,300	25,900							
Expressway*	2	16,350	18,400	20,450							
Expressway	4	32,700	36,800	40,900							
Expressway	6	49,000	55,200	61,300							

SOURCE: County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020 Note: \*Use the half capacity of a four-lane Expressway

Table 2-8. Roadway LOS Criteria

Level of Service	Volume-to Capacity Ratio
A	≤ 0.60
В	> 0.60 - 0.70
С	> 0.70 - 0.80
D	> 0.80 - 0.90
E	> 0.90 - 1.00
F	> 1.00

#### 2.5.2 Intersection Level of Service Standards

This section presents the methodologies used to perform peak hour intersection capacity analyses for signalized and unsignalized intersections.

#### 2.5.2.1 SIGNALIZED INTERSECTION ANALYSIS

The analysis of signalized intersections utilized the operational analysis procedure as outlined in the HCM 6<sup>th</sup> Edition. This method defines LOS in terms of delay, or more specifically, average stopped delay per vehicle. Delay is a measure of driver and/or passenger discomfort, frustration, fuel consumption and lost travel time. This technique uses 1,900 vehicles per hour per lane (VPHPL) as the maximum saturation volume of an intersection. This saturation volume is adjusted to account for lane width, on-street parking, pedestrians, traffic composition (i.e., percentage trucks) and shared lane movements (i.e., through and right-turn movements originating from the same lane). The key input parameters used in the analysis follow the guidance in Appendix C of the *County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020.* The Level of Service thresholds used for this technique are described in Table 2-9.



For the intersections with LOS E or F under the future no build conditions, the delay at the intersections under the future build conditions are anticipated to be better than that under the future no build conditions although the LOS might also be LOS E or F. Intersection analysis used the Highway Capacity Manual (HCM) methodology and has been performed using Synchro software version 10. HCM 6<sup>th</sup> Edition results have been used. Each intersection evaluation is based upon existing and future lane configuration/traffic control and peak hour design traffic volumes during the AM and PM peak hours.

Table 2-9. Signalized Intersection Level of Service Thresholds

Average Stopped Delay Per Vehicle (seconds)	Level of Service (LOS) Characteristics
<10.0	LOS A describes operations with very low delay. This occurs when progression is extremely favorable, and most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
10.1 – 20.0	LOS B describes operations with generally good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
20.1 – 35.0	LOS C describes operations with higher delays, which may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
35.1 – 55.0	LOS D describes operations with high delay, resulting from some combination of unfavorable progression, long cycle lengths, or high volumes. The influence of congestion becomes more noticeable, and individual cycle failures are noticeable.
55.1 – 80.0	LOS E is considered the limit of acceptable delay. Individual cycle failures are frequent occurrences.
>80.0	LOS F describes a condition of excessively high delay, considered unacceptable to most drivers. This condition often occurs when arrival flow rates exceed the LOS D capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes to such delay.

Source: Highway Capacity Manual 6th Edition

Note: Volume-to-capacity ratio greater than or equal to 1 indicate actual or potential breakdown.

#### 2.5.3 Unsignalized Intersection Analysis

Unsignalized intersections, including two-way and all-way stop controlled intersections were analyzed using the HCM 6<sup>th</sup> Edition unsignalized intersection analysis methodology. The LOS for a two-way stop controlled (TWSC) intersection is determined by the computed or measured control delay and is defined for each minor movement. Table 2-10 summarizes the level of service thresholds utilized for unsignalized intersection analyses including TWSC and all-way stop controlled (AWSC) intersections. Intersection analysis used the Highway Capacity Manual (HCM) methodology and has been performed using Synchro software. HCM 6<sup>th</sup> Edition results have been



used. Each intersection evaluation is based upon existing and future lane configuration/traffic control and peak hour design traffic volumes during the AM and PM peak hours.

Table 2-10. Unsignalized Intersection Level of Service Thresholds

Average Control Delay (sec/veh)	Level of Service (LOS)
<u>&lt;</u> 10	Α
>10 and <u>&lt;</u> 15	В
>15 and <u>&lt;</u> 25	С
>25 and <u>&lt;</u> 35	D
>35 and <u>&lt;</u> 50	Е
>50	F

Source: Highway Capacity Manual 6th Edition

Note: Volume-to-capacity ratio greater than or equal to 1 indicate actual or potential breakdown.

#### 2.5.4 Intersection Queue Analysis

Queuing analyses was conducted for intersection for existing and all future conditions. The queuing analysis compares the minimum required storage lengths to the storage lengths provided for the analyzed intersections. The minimum storage required is determined by the longest 95th percentile queue identified in the AM or PM peak hours.

The 95th percentile queue lengths as calculated in the Synchro worksheets. Synchro reports the 95th percentile queue length for a single lane of a lane group (highest queue length considering all lanes of the lane group) instead of the total queue length of all lanes in that lane group.

#### 2.5.4.1 STORAGE LENGTHS

The provided turn movement storage lengths for an intersection are measured from the limit line to the end of the bay taper for turn movements. The through movement storage lengths for an intersection are measured from the limit line to the upstream intersection or access.

# 2.6 Senate Bill 743 - Vehicles Miles Traveled Analysis

Senate Bill (SB) 743 was approved in 2013 and changed the evaluation of traffic impacts under California Environmental Quality Act (CEQA). The bill required the Office of Planning and Research (OPR) to modify the CEQA Guidelines to replace existing approaches for studying transportation impacts under CEQA. These previously existing approaches focused on auto delay and congestion, which are typically measured using level of service. These metrics will no longer be considered an environmental impact under CEQA upon certification of revised State CEQA Guidelines. Rather, SB 743 requires OPR to establish criteria for determining the significance of transportation impacts that promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. In response, OPR published a document titled Updating Transportation Impacts Analysis in the CEQA Guidelines: Preliminary Discussion Draft of Updates to the CEQA Guidelines Implementing Senate Bill 743. These



preliminary updates identify VMT as the primary metric for evaluating transportation impacts. OPR published a revised Technical Advisory in April 2018. The revised Technical Advisory identifies VMT (per capita, per employee, or other appropriate efficiency measure) as new metrics for evaluating transportation impacts. Regulatory changes to the CEQA Guidelines that implement SB 743 were approved on December 28, 2018. The newly adopted CEQA Guidelines states "vehicle miles traveled is the most appropriate measure of transportation impacts." The California Natural Resource Agency has adopted and certified the changes to the CEQA Guidelines that identify VMT as the most appropriate metric to evaluate a project's transportation impacts. OPR released a December 2018 Technical Advisory that contains recommendations regarding assessment of VMT, thresholds of significance, and mitigation measures. Statewide implementation occurred on July 1, 2020.

SB 743 preserves local government authority to make planning decisions. Therefore, level of service and congestion can still be measured for planning purposes; however, studies based on these metrics will no longer be required as part of the CEQA process. For State Highway System, the Transportation Analysis under CEQA (TAC) provides information on significance determinations for transportation projects.

Per TAC, the determination of significance will be based on the projection of induced travel attributable to the project. Per Riverside County Transportation Analysis Guidelines, a project that results in an increase in VMT when comparing the future build alternative to the future no-build alternative (i.e., the VMT is higher under the future build scenario) will generally be considered significant impact, and mitigation will be required.

Updated RivTAM model outputs were used for the baseline VMT analysis. RivTAM model for years 2012 and 2040 were available and provided by the County. The VMT analysis was based on the raw model outputs of years 2012 and 2040 model runs. Countywide average VMT under build and no Build conditions were obtained from RivTAM model runs based on guidance in Appendix E of the County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020. Based on the growth rates developed from years 2012 and 2040 raw model outputs, year 2044 VMT data were extrapolated for the build and no build conditions. Comparison between countywide average VMT under years 2012, 2040, and 2044 build and no build conditions were conducted. If net increase in countywide average VMT occurs with the project build-out, mitigation measures need to be identified to fully mitigate the impacts.



# 3 Existing 2021 Traffic Conditions

This section describes key roadway segments and intersections; summarizes the analysis results conducted based on the methodology procedure and the traffic volumes presented in Section 2 for existing 2021 at all study locations. The intersection LOS and queuing Synchro analysis worksheets are presented in Appendix C. Appendix D provides the supporting materials for the accident analysis.

# 3.1 Roadway Network

This section describes key roadway segments and existing facilities in the vicinity of the project.

Markham Street – is a 2-lane to 4-lane east-west collector with a western terminus at Mockingbird Canyon Road and eastern terminus at Harvill Avenue adjacent to I-215. Along Markham Street, the only segment that is disconnected and has no concrete pavement is between Roosevelt Street and Cedar Street. It has a posted speed limit of 45 mph. Within the study area, Markham Street provides access to residential land uses.

**Roosevelt Street** – is a 2-lane north-south collector with a northern terminus at Warren Road and southern terminus at Markham Street. Within the study area, Roosevelt Street provides access to residential land uses.

**Wood Road** – is a 2-lane to 3-lane north-south collector with a northern terminus at John F Kennedy Drive and southern terminus at Cajalco Road. It has a posted speed limit of 40 mph. Within the study area, Wood Road provides access to residential land uses.

**Birch Street** – is a 2-lane north-south unpaved local road with a northern terminus intersecting at Markham Street and southern terminus at private property. Birch Street provides access to residential land uses.

**Cedar Street** – is a 2-lane north-south unpaved local road with a northern terminus intersecting at Markham Street and southern terminus at Avenue E. Birch Street provides access to residential land uses.

**Mariposa Avenue** – is a 2-lane east-west collector with a western terminus at Riverside Avenue and eastern terminus at Barton Street. It has a posted speed limit of 25 mph. Within the study area, Mariposa Avenue provides access to residential land uses.

**Cajalco Road** – is a 2-lane east-west collector with a western terminus at I-15 and eastern terminus at Seaton Avenue adjacent to I-215. It has a posted speed limit of 50 mph. Within the study area, Cajalco Road provides access to industrial, commercial, and residential land uses.

# 3.2 Existing Segment LOS Analysis

Table 3-1 displays the existing 2021 roadway segment ADT and LOS results based on the segment analysis methodology discussed in Section 2.5. As shown in Table 3-1, all roadway segments operate at LOS A with the exception of the following:

Cajalco Road west of Wood Road with LOS F



Table 3-1. Existing Roadway Segment Level of Service

Roadway	Location	oomigaration			LOS D	LOS E	Existing Conditions			
Segment				Capacity	Capacity	ADT	V/C	LOS		
Markham Street*	West of Roosevelt Street	E/W	3U/4U	15,550	17,500	19,450	183	0.009	Α	
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	502	0.039	Α	
Markham Street	East of Wood Road	E/W	2U/3U	10,400	11,700	13,000	2,973	0.229	Α	
Roosevelt Street	North of Markham Street	N/S	2U	10,400	11,700	13,000	131	0.010	Α	
Wood Road	North of Markham Street	N/S	2U	10,400	11,700	13,000	6,319	0.486	Α	
Wood Road	South of Markham Street	N/S	2U/3U	10,400	11,700	13,000	6,672	0.513	Α	
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	813	0.063	Α	
Cajalco Road**	Btw Harley John Road and Wood Road	E/W	2U	16,350	18,400	20,450	23,347	1.142	F	

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service; Dir = Direction \* Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020 \*\* Use the half capacity of a four-lane Expressway

# 3.3 Existing Intersection LOS Analysis

Existing LOS analysis was conducted using the methodologies presented in Section 2.5. Based on the exiting lane configuration and peak hour turning movement volumes as shown in Figure 4, the intersection LOS and average delay results under existing 2021 conditions are summarized in Table 3-2. As shown in Table 3-2, all intersections operate at LOS C or better.

Table 3-2. Existing Intersection Peak Hour Level of Service

		Existing Year 2021					
Intersection	Traffic Control	AM I	Peak	PM Peak			
		Delay	LOS	Delay	LOS		
Roosevelt Street and Markham Street	AWSC	6.9	Α	7.0	Α		
Birch Street and Markham Street	TWSC	8.4	Α	8.4	Α		
Cedar Street and Markham Street	TWSC	8.5	Α	8.4	Α		
Wood Road and Markham Street	Traffic Signal	16.8	В	22.8	С		

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled;

For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table



# 3.4 Existing Intersection Queuing Analysis

Table 3-3 displays intersection queuing results for study intersections under existing 2021 conditions. As shown in Table 3-3, adequate storage is provided for all intersections.

**Table 3-3. Existing Intersection Peak Hour Queuing Results** 

	Intersection				Year	2020	
ID	(NB/SB & EB/WB)	Movement	Available Storage	95th Percentile Queue (ft) <sup>1</sup>	Adequate Storage (Yes/No)	95th Percentile Queue (ft) <sup>1</sup>	Adequate Storage (Yes/No)
		SB	920	0	Yes	0	Yes
1	Roosevelt Street & Markham Street	EB*	1235	3	Yes	3	Yes
		WB*	1100	0	Yes	0	Yes
2	Birch Street &	NB	225	0	Yes	0	Yes
	Markham Street	WB	300	0	Yes	0	Yes
3	Cedar Street &	NB	290	123	Yes	123	Yes
	Markham Street	WB	645	424	Yes	424	Yes
		NBL	150	6	Yes	4	Yes
		NBT	670	124	Yes	122	Yes
		NBR	150	32	Yes	34	Yes
4	Wood Road &	SBL	195	43	Yes	61	Yes
7	Markham Street	SBT	390	104	Yes	114	Yes
		EBT	620	23	Yes	16	Yes
		WBL*	250	103	Yes	55	Yes
		WBT	580	30	Yes	25	Yes

Note: \*The turn pocket extends into a two-way left turn lane

# 3.5 Accident Analysis

Traffic Accident Data was provided by the County for a 6-year period, from January 1, 2015 through December 31, 2020. The collision summary reports include all reported collisions within the project limits along Markham Street from Roosevelt Street to Wood Road.

As shown in Table 3-4, a total of three accidents were reported. No injury occurred for all three accidents. Two of the accidents occurred with improper turning under dark conditions and occurred within the unpaved road segment. The third accident occurred was identified as sideswipe.

In summary, a low number of accidents occurred within the project limits under the existing conditions and these accidents did not result in injuries.



**Table 3-4. Existing Accident Data Summary** 

Accident Location	Date of Accident	Direction	Type of Accident	Impact	Damage	Lighting
Roosevelt Street/Markham Street	4/22/2018	Westbound	Improper Turning	Hit Fixed Object	Property Damage Only	Dark
Birch Street/Markham Street	10/27/2019	Westbound left	Improper Turning	Hit Fixed Object	Property Damage Only	Dark
Wood Road/Markham Street	8/17/2015	Westbound right/ Northbound through	Sideswipe	Motor Vehicles	Property Damage Only	Daylight

Note: 6-year accident report, 1/1/2015 to 12/31/2020, was provided by County of Riverside



# 4 Opening Year 2024 Traffic Conditions

This section presents the LOS analysis for Opening Year 2024 traffic conditions. The Synchro worksheets for intersection analysis under Opening Year 2024 conditions are contained in Appendix C.

# 4.1 Opening Year (2024) No Build Conditions

LOS analysis and queue analysis were conducted for the four study intersections for opening year 2024 no build traffic conditions. The lane configuration was assumed to stay the same as under the existing conditions. The analysis was based on opening year 2024 no build peak hour volumes and existing condition lane configuration. Summary tables of LOS, average delay, and queueing analysis are included in the section.

### 4.1.1 Roadway Segment LOS Analysis

Using the traffic operations analysis methodology described in Section 2.5, Table 4-1 illustrates the year 2024 no build roadway segment analysis results. As shown in Table 4-1, all roadway segments operate at LOS A with the exception of the following:

Cajalco Road west of Wood Road with LOS F



Table 4-1. Year 2024 No Build Roadway Segment Level of Service

Roadway	Location		2024 No d Geo	LOS C	LOS D	LOS E	Year 2024 No Build Conditions		
Segment		Dir	Lanes	Capacity	Capacity	Capacity	ADT	V/C	LOS
Markham Street*	West of Roosevelt Street	E/W	3U/4U	15,550	17,500	19,450	204	0.010	А
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	509	0.039	Α
Markham Street	East of Wood Road	E/W	2U/3U	10,400	11,700	13,000	2,981	0.229	Α
Roosevelt Street	North of Markham Street	N/S	2U	10,400	11,700	13,000	133	0.010	Α
Wood Road	North of Markham Street	N/S	2U	10,400	11,700	13,000	6,375	0.490	Α
Wood Road	South of Markham Street	N/S	2U/3U	10,400	11,700	13,000	6,799	0.523	Α
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	913	0.070	Α
Cajalco Road**	Btw Harley John Road and Wood Road	E/W	2U	16,350	18,400	20,450	27,849	1.362	F

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service; Dir = Direction; Geo = Geometry;

#### 4.1.2 Intersection LOS Analysis

Year 2024 intersection analysis was conducted using the methodologies presented in Section 2.5. Based on the lane configuration and peak hour turning movement volumes as shown in **Figure 7**, the intersection LOS and average delay results under year 2024 no build conditions are summarized in Table 4-2. As shown in the table, all intersections operate at LOS D or better.

Table 4-2. Year 2024 No Build Intersection Peak Hour Level of Service

		Year 2024 No Build					
Intersection	Traffic Control	AM P	eak	PM Peak			
		Delay	LOS	Delay	LOS		
Roosevelt Street and Markham Street	AWSC	6.9	Α	7.0	Α		
Birch Street and Markham Street	TWSC	8.4	Α	8.4	Α		
Cedar Street and Markham Street	TWSC	8.5	Α	8.4	Α		
Wood Road and Markham Street	Traffic Signal	42.2	D	51	D		

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled;

For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table



<sup>\*</sup> Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020

<sup>\*\*</sup> Use the half capacity of a four-lane Expressway

#### 4.1.3 Intersection Queuing Analysis

Table 4-3 displays intersection queuing results for study intersections under year 2024 no build conditions. As shown in Table 4-3, adequate storage is provided for all intersections and movements.

Table 4-3. Year 2024 No Build Intersection Peak Hour Queuing Results

	Intersection			AM F	Peak	PM F	Peak
ID	(NB/SB & EB/WB)	Movement	Available Storage	95th Percentile Queue (ft)¹	Adequate Storage (Yes/No)	95th Percentile Queue (ft)¹	Adequate Storage (Yes/No)
	Roosevelt 1 Street &	SB	920	0	Yes	0	Yes
1		EB*	1235	3	Yes	3	Yes
	Markham Street	WB*	1100	0	Yes	0	Yes
2	2 Birch Street & Markham Street	NB	225	0	Yes	0	Yes
		WB	300	0	Yes	0	Yes
3	Cedar Street &	NB	290	0	Yes	0	Yes
	Markham Street	WB	645	0	Yes	0	Yes
		NBL	150	7	Yes	5	Yes
		NBT	670	248	Yes	269	Yes
		NBR	150	31	Yes	36	Yes
4	Wood Road &	SBL	195	56	Yes	97	Yes
7	Markham Street	SBT	390	211	Yes	320	Yes
		EBT	620	35	Yes	24	Yes
		WBL*	250	157	Yes	83	Yes
		WBT	580	44	Yes	32	Yes

Note: \*The turn pocket extends into a two-way left turn lane

# 4.2 Opening Year (2024) Build Conditions

LOS analysis and queue analysis were conducted at the four study intersections for opening year 2024 build traffic conditions. The analysis is based on opening year 2024 build peak hour volumes and project proposed lane configuration described in Section 1.2.

Summary tables of LOS, average delay, and queueing analysis are included in the section. The Synchro analysis worksheets for each intersection under opening year 2024 build conditions are included in Appendix C.



#### 4.2.1 Roadway Segment LOS Analysis

Using the traffic operations analysis methodology described in Section 2.5, Table 4-4 illustrates the year 2024 build roadway segment analysis results. Comparing with the year 2024 no build conditions, the increase of the average daily traffic volumes along Markham Street between west of Roosevelt Street and east of Wood Road under the year 2024 build conditions vary from approximately 2,300 to 6,700 vehicles. As shown in Table 4-4, all roadway segments operate at LOS A with the exception of the following:

Cajalco Road west of Wood Road with LOS F

Table 4-4. Year 2024 Build Roadway Segment Level of Service

Roadway	Landing		· 2024 d Geo	LOS C	LOS D	LOS E		2024 Bu	
Segment	Location	Dir	Lanes	Capacity	Capacity	Capacity	ADT	V/C	LOS
Markham Street*	West of Roosevelt Street	E/W	3U/4U	15,550	17,500	19,450	3,288	0.169	Α
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	7,201	0.554	Α
Markham Street	East of Wood Road	E/W	2U/3U	10,400	11,700	13,000	5,307	0.408	Α
Roosevelt Street	North of Markham Street	N/S	2U	10,400	11,700	13,000	174	0.013	Α
Wood Road	North of Markham Street	N/S	2U	10,400	11,700	13,000	4,824	0.371	Α
Wood Road	South of Markham Street	N/S	2U/3U	10,400	11,700	13,000	5,976	0.460	Α
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	759	0.058	Α
Cajalco Road**	Btw Harley John Road and Wood Road	E/W	2U	16,350	18,400	20,450	27,081	1.324	F

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service; Dir = Direction; Geo = Geometry:

#### 4.2.2 Intersection LOS Analysis

Year 2024 build intersection analysis was conducted using the methodologies presented in Section 2.5. Based on the proposed lane configuration and peak hour turning movement volumes as shown in **Figure 8**, the intersection LOS and average delay results under year 2024 build conditions are summarized in Table 4-5. As shown in the table, all intersections operate at LOS D or better.



<sup>\*</sup> Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020

<sup>\*\*</sup> Use the half capacity of a four-lane Expressway

Table 4-5. Year 2024 Build Intersection Peak Hour Level of Service

		Year 2024 Build					
Intersection	Traffic Control	AMI	Peak	PM Peak			
		Delay	LOS	Delay	LOS		
Roosevelt Street and Markham Street	TWSC	11.0	В	10.6	В		
Birch Street and Markham Street	TWSC	9.1	А	12.3	В		
Cedar Street and Markham Street	TWSC	10.1	В	11.9	В		
Wood Road and Markham Street	Traffic Signal	38.4	D	36.1	D		

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled;

For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table

### 4.2.3 Intersection Queuing Analysis

Table 4-6 displays intersection queuing results for study intersections under year 2024 build conditions. As shown in Table 4-6, adequate storage is provided for all intersections and movements.

Table 4-6. Year 2024 Build Intersection Peak Hour Queuing Results

	Intersection			AM F	Peak	PM I	Peak
ID	(NB/SB & EB/WB)	Movement	Available Storage	95th Percentile Queue (ft) <sup>1</sup>	Adequate Storage (Yes/No)	95th Percentile Queue (ft) <sup>1</sup>	Adequate Storage (Yes/No)
	Roosevelt	SB	920	3	Yes	0	Yes
1	Street &	EB*	1235	0	Yes	0	Yes
	Markham Street	WB*	1100	0	Yes	0	Yes
2	Birch Street &	NB	225	3	Yes	3	Yes
2	Markham Street	WB	300	0	Yes	0	Yes
2	3 Cedar Street & Markham Street	NB	290	3	Yes	3	Yes
3		WB	645	0	Yes	0	Yes
		NBL	150	62	Yes	85	Yes
		NBT	670	158	Yes	163	Yes
		NBR	150	0	Yes	0	Yes
		SBL	195	15	Yes	12	Yes
4	Wood Road & Markham Street	SBT	390	156	Yes	111	Yes
		EBL	200	79	Yes	97	Yes
		EBT	620	25	Yes	112	Yes
		WBL*	250	92	Yes	43	Yes
		WBT	580	350	Yes	104	Yes

Note: \*The turn pocket extends into a two-way left turn lane



# 5 Horizon Year 2044 Traffic Conditions

This section presents the LOS analysis for Horizon Year 2044 traffic conditions. The Synchro worksheets for intersection analysis under Horizon Year 2044 conditions are contained in Appendix C.

# 5.1 Horizon Year (2044) No Build Conditions

LOS analysis and queue analysis were conducted for the four study intersections for horizon year 2044 no build traffic conditions. The lane configuration is assumed to stay the same as under the existing conditions. The analysis is based on horizon year 2044 no build peak hour volumes and existing condition lane configuration.

Summary tables of LOS, average delay, and queueing analysis are included in the section. .

#### 5.1.1 Roadway Segment LOS Analysis

Using the traffic operations analysis methodology described in Section 2.5, Table 5-1 illustrates the year 2044 no build roadway segment analysis results. As shown in Table 5-1, all roadway segments operate at LOS A with the exception of the following:

Cajalco Road west of Wood Road with LOS E



Table 5-1. Year 2044 No Build Roadway Segment Level of Service

Roadway	Location	Year 2044 No Build Geo		LOS C	LOS D	LOS E	7.7	2044 No I	
Segment		Dir	Lanes	Capacity	Capacity	Capacity	ADT	V/C	LOS
Markham Street*	West of Roosevelt Street	E/W	3U/4U	15,550	17,500	19,450	342	0.018	Α
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	553	0.043	Α
Markham Street	East of Wood Road	E/W	2U/3U	10,400	11,700	13,000	3,034	0.233	Α
Roosevelt Street	North of Markham Street	N/S	2U	10,400	11,700	13,000	144	0.011	Α
Wood Road	North of Markham Street	N/S	2U	10,400	11,700	13,000	6,746	0.519	Α
Wood Road	South of Markham Street	N/S	2U/3U	10,400	11,700	13,000	7,647	0.588	Α
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	1,581	0.122	Α
Cajalco Road	Btw Harley John Road and Wood Road	E/W	6U	49,000	55,200	61,300	57,864	0.944	E

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service; Dir = Direction; Geo = Geometry;

#### 5.1.2 Intersection LOS Analysis

Year 2044 intersection analysis was conducted using the methodologies presented in Section 2.5. Based on the lane configuration and peak hour turning movement volumes as shown in **Figure 5**, the intersection LOS and average delay results under year 2044 no build conditions are summarized in Table 5-2. As shown in the table, all intersections operate at LOS D or better with the exception of the following:

Wood Road and Markham Street – LOS F during the PM peak hour



<sup>\*</sup> Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020

Table 5-2. Year 2044 No Build Intersection Peak Hour Level of Service

		Year 2044 No Build					
Intersection	Traffic Control	AM P	eak	PM Peak			
		Delay	LOS	Delay	LOS		
Roosevelt Street and Markham Street	AWSC	6.9	Α	7.0	Α		
Birch Street and Markham Street	TWSC	8.4	Α	8.4	Α		
Cedar Street and Markham Street	TWSC	8.5	Α	8.4	Α		
Wood Road and Markham Street	Traffic Signal	52.5	D	80.3	F		

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled; For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table

### 5.1.3 Intersection Queuing Analysis

Table 5-3 displays intersection queuing results for study intersections under year 2044 no build conditions. As shown in Table 5-3, adequate storage is provided for all intersections and movements with the exception of the following:

Southbound through at Wood Road and Markham Street intersection - PM peak hour

Table 5-3. Year 2044 No Build Intersection Peak Hour Queuing Results

	Intersection			AM F	Peak	PM I	Peak
ID	(NB/SB & EB/WB)	Movement	Available Storage	95th Percentile Queue (ft)¹	Adequate Storage (Yes/No)	95th Percentile Queue (ft) <sup>1</sup>	Adequate Storage (Yes/No)
	Roosevelt	SB	920	3	Yes	3	Yes
1	Street &	EB*	1235	3	Yes	3	Yes
	Markham Street	WB*	1100	0	Yes	0	Yes
2	Birch Street & Markham Street	NB	225	0	Yes	0	Yes
2		WB	300	0	Yes	0	Yes
3	Cedar Street &	NB	290	0	Yes	0	Yes
3	Markham Street	WB	645	0	Yes	0	Yes
		NBL	150	9	Yes	5	Yes
		NBT	670	336	Yes	315	Yes
		NBR	150	33	Yes	41	Yes
4	Wood Road &	SBL	195	61	Yes	161	Yes
4	Markham Street	SBT	390	238	Yes	437	No
		EBT	620	36	Yes	25	Yes
		WBL*	250	180	Yes	93	Yes
		WBT	580	45	Yes	34	Yes

Note: \*The turn pocket extends into a two-way left turn lane



# 5.2 Horizon Year (2044) Build Conditions

LOS analysis and queue analysis were conducted for the four study intersections for horizon year 2044 build traffic conditions. The analysis is based on horizon year 2044 build peak hour volumes and project proposed lane configuration described in Section 1.2.

Summary tables of LOS, average delay, and queueing analysis are included in the section. The Synchro analysis worksheets for each intersection under horizon year 2044 build conditions are included in Appendix C.

### 5.2.1 Roadway Segment LOS Analysis

Using the traffic operations analysis methodology described in Section 2.5, Table 5-4 illustrates the year 2044 build roadway segment analysis results. Comparing with the year 2044 no build conditions, the increase of the average daily traffic volumes along Markham Street between west of Roosevelt Street and east of Wood Road under the year 2044 build conditions vary from approximately 2,300 to 7,300 vehicles. As shown in Table 5-4, all roadway segments operate at LOS B or better with the exception of the following:

Cajalco Road west of Wood Road with LOS E

Table 5-4. Year 2044 Build Roadway Segment Level of Service

Roadway Segment	Location	Year 2044 Build Geo		LOS C	LOS D	LOS E	Year 2044 Build Conditions		
		Dir	Lanes	Capacity	Capacity	Capacity	ADT	V/C	LOS
Markham Street*	West of Roosevelt Street	E/W	3U/4U	15,550	17,500	19,450	5,519	0.284	Α
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	7,824	0.602	В
Markham Street	East of Wood Road	E/W	2U/3U	10,400	11,700	13,000	5,401	0.415	Α
Roosevelt Street	North of Markham Street	N/S	2U	10,400	11,700	13,000	188	0.014	Α
Wood Road	North of Markham Street	N/S	2U	10,400	11,700	13,000	5,105	0.393	Α
Wood Road	South of Markham Street	N/S	2U/3U	10,400	11,700	13,000	6,721	0.517	Α
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	10,400	11,700	13,000	1,315	0.101	Α
Cajalco Road	Btw Harley John Road and Wood Road	E/W	6U	49,000	55,200	61,300	56,269	0.918	E

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service; Dir = Direction; Geo = Geometry;



<sup>\*</sup> Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020

#### 5.2.2 Intersection LOS Analysis

Year 2044 build intersection analysis was conducted using the methodologies presented in Section 2.5. Based on the proposed lane configuration and peak hour turning movement volumes as shown in **Figure 6**, the intersection LOS and average delay results under year 2044 build conditions are summarized in Table 5-5. As shown in the table, all intersections operate at LOS D or better.

Table 5-5. Year 2044 Build Intersection Peak Hour Level of Service

			Year 20	44 Build	
Intersection	Traffic Control	AM I	Peak	PM I	Peak
		Delay	LOS	Delay	LOS
Roosevelt Street and Markham Street	TWSC	11.3	В	11.2	В
Birch Street and Markham Street	TWSC	9.2	А	12.9	В
Cedar Street and Markham Street	TWSC	10.3	В	12.5	В
Wood Road and Markham Street	Traffic Signal	40.0	D	37.3	D

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled;

For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table

#### 5.2.3 Intersection Queuing Analysis

Table 5-6 displays intersection queuing results for study intersections under year 2044 build conditions. As shown in Table 5-6, adequate storage is provided for all intersections and movements.



Table 5-6. Year 2044 Build Intersection Peak Hour Queuing Results

	Intersection			AM F	Peak	PM F	Peak
ID	(NB/SB & EB/WB)	Movement	Available Storage	95th Percentile Queue (ft)¹	Adequate Storage (Yes/No)	95th Percentile Queue (ft)¹	Adequate Storage (Yes/No)
	Roosevelt	SB	920	3	Yes	3	Yes
1	Street &	EB*	1235	0	Yes	0	Yes
	Markham Street	WB*	1100	0	Yes	0	Yes
2	Birch Street &	NB	225	3	Yes	3	Yes
2	Markham Street	WB	300	0	Yes	0	Yes
3	Cedar Street &	NB	290	3	Yes	3	Yes
3	Markham Street	WB	645	0	Yes	0	Yes
		NBL	150	84	Yes	53	Yes
		NBT	670	199	Yes	187	Yes
		NBR	150	0	Yes	12	Yes
		SBL	195	16	Yes	19	Yes
4	Wood Road & Markham Street	SBT	390	174	Yes	179	Yes
		EBL	200	79	Yes	94	Yes
		EBT	620	28	Yes	228	Yes
		WBL*	250	100	Yes	54	Yes
		WBT	580	356	Yes	132	Yes

Note: \*The turn pocket extends into a two-way left turn lane



## 5.3 VMT Analysis

Based on the VMT model run methodology described in Section 2.6, total regional residential based and work based VMT results within the County under the RIVTAM model years 2012 and 2040, as well as the extrapolated year 2044, are illustrated in Table 5-7. Although the work based VMT under year 2044 build is marginally higher than that under year 2044 no Build, the corresponding residential VMT under year 2044 build is reduced. As shown in the table, the combined residential and work VMT under the build conditions are lower than that under the no build conditions.

Table 5-7 also illustrates average residential VMT per capita and average work VMT per employee under year 2044 build and no build conditions. The average VMTs are based on the Countywide 1,807 Traffic Analysis Zone (TAZ) within Riverside County. As shown in the table, the average VMTs remain same under year 2044 build and no Build conditions.

As shown in the table, no induced VMT occurs due to the proposed project under years 2012<sup>1</sup>, 2040, and 2044. It is anticipated that no induced VMT occurs due to the proposed project under year 2044. Therefore, no VMT mitigation is needed for this project. Detailed countywide VMT model outputs for each TAZ are presented in Appendix E.

<sup>&</sup>lt;sup>1</sup> Year 2012 is the base year of the RIVTAM model



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Table 5-7. Raw Model Output VMT Result Summary

VMT Comparison	Year 2012NB	Year 2012B	2012B vs 2012NB	Year 2040NB	Year 2040B	2040B vs 2040NB	Year 2044NB	Year 2044B	2044B vs 2044NB
Total Residential VMT	32,037,483	32,030,136	-0.023%	49,805,138	49,802,159	-0.006%	53,751,054	53,749,944	-0.002%
Total Work VMT	8,111,059	8,110,938	-0.001%	16,700,356	16,700,813	0.003%	19,226,790	19,226,807	0.000%
Total VMT	40,148,542	40,141,074	-0.019%	66,505,494	66,502,972	-0.004%	72,977,844	72,976,751	-0.001%
Average Residential VMT/Capita	16.5	16.5	0.000%	20.0	20.0	0.000%	21.0	21.0	0.000%
Average Work VMT/Employee	10.8	10.8	0.000%	12.1	12.1	0.000%	12.0	12.0	0.000%

Note: Results in the table are based on the Riverside County 1,807 TAZ Zones.



# 6 Summary and Conclusion

# 6.1 Comparison of Build Versus No Build Conditions

The comparison of the analysis results at study roadway segments and intersections under the no build and build conditions are presented in this section.

Table 6-1 presents v/c and LOS at all roadway segments under all no build and build conditions. As shown in the table, all roadway segments operate at LOS B or better with the exception of the following:

 Cajalco Road west of Wood Road with LOS E or F under all build and no build conditions

The v/c under the build conditions is lower than that under the no build conditions at all the adjacent roadway segments of Markham Street. With the proposed project in place, some traffic diverted to Markham Street from adjacent local streets and reduced the traffic on those adjacent local roads such as Mariposa Avenue, Cajalco Road, and Wood Road. Therefore, the congested conditions on Cajalco Road west of Wood Road slightly alleviate with the project built out.

Table 6-2 presents the study intersection peak hour LOS and average delays under no build and build conditions. As shown in the table, all the study intersections operate at LOS D or better except for the intersection at Wood Road and Markham Street under the year 2044 no build conditions. The PM peak hour LOS is expected to be F under the year 2044 no build conditions. The intersection congestion is reduced with the project built out. With the proposed improvement of an exclusive eastbound through lane addition at the intersection, the intersection operates at LOS D under the year 2044 build conditions.

Table 6-3 presents a summary comparison of the intersection queuing analysis at each of the study intersections under all no build and build conditions. As shown in Table 6-3, adequate storage is provided for all intersections and movements under the future year build conditions although the southbound through movement at intersection of Wood Road and Markham Street slightly block the upstream dirt road access during the PM peak hour under the year 2044 no build conditions.



Table 6-1. Roadway Segment Level of Service Comparisons

Roadway Segment	Location	Lane Confiç	guration	Existin	g <b>2021</b>	2024	INB	202	4B	2044	NB	204	4B
		Direction	Lanes	V/C	LOS	V/C	LOS	V/C	LOS	V/C	LOS	V/C	LOS
Markham Street*	West of Roosevelt Street	E/W	3U/4U	0.009	Α	0.010	Α	0.169	Α	0.018	Α	0.284	Α
Markham Street	Btw Roosevelt Street and Wood Road	E/W	2U	0.039	Α	0.039	Α	0.554	Α	0.043	Α	0.602	В
Markham Street	East of Wood Road	E/W	2U/3U	0.229	Α	0.229	Α	0.408	Α	0.233	Α	0.415	Α
Roosevelt Street	North of Markham Street	N/S	2U	0.010	Α	0.010	Α	0.013	Α	0.011	Α	0.014	Α
Wood Road	North of Markham Street	N/S	2U	0.486	Α	0.490	Α	0.371	Α	0.519	Α	0.393	Α
Wood Road	South of Markham Street	N/S	2U/3U	0.513	Α	0.523	Α	0.460	Α	0.588	Α	0.517	Α
Mariposa Avenue	Btw Roosevelt Street and Wood Road	E/W	2U	0.063	Α	0.070	Α	0.058	Α	0.122	Α	0.101	Α
Cajalco Road**	Btw Harley John Road and Wood Road	E/W	2U/6U	1.142	F	1.362	F	1.324	F	0.944	E	0.918	E

Note: N/S = Northbound/Southbound; E/W = Eastbound/Westbound; 2U = 2 Lane Undivided; 4U = 4 Lane Undivided; 3U = 3 Lane Undivided; ADT = Average Daily Traffic Volume; V/C = Volume-to-Capacity Ratio; LOS = Level of Service \* Use the average of service level ADT data criteria for Collector and Secondary roadways shown in Appendix D of County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled, Dec 2020 \*\* Cajalco Road is a two-lane arterial under the existing 2021 and future year 2024 conditions; Cajalco Road is projected to be a six-lane Expressway under the future year 2044 conditions.

Table 6-2. Intersection Peak Hour Level of Service Comparisons

		Ex	isting `	Year 202	21	Ye	ar 2024	No Bui	ild	Y	ear 20	24 Build		Yea	ar 2044	No Bui	ld	Y	ear 20	44 Builc	d
Intersection	Traffic Control	AM F	Peak	PM P	eak	AM F	Peak	PM F	Peak	AM F	Peak	PM P	eak	AM P	eak	PM F	eak	AM F	eak	PM F	eak
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Roosevelt Street and Markham Street	AWSC/TWSC*	6.9	Α	7.0	Α	6.9	Α	7.0	Α	11.0	В	10.6	В	6.9	Α	7.0	Α	11.3	В	11.2	В
Birch Street and Markham Street	TWSC	8.4	Α	8.4	Α	8.4	Α	8.4	Α	9.1	Α	12.3	В	8.4	Α	8.4	Α	9.2	Α	12.9	В
Cedar Street and Markham Street	TWSC	8.5	Α	8.4	Α	8.5	Α	8.4	Α	10.1	В	11.9	В	8.5	Α	8.4	Α	10.3	В	12.5	В
Wood Road and Markham Street	Traffic Signal	41.4	D	48.3	D	42.2	D	51	D	38.4	D	36.1	D	52.5	D	80.3	F	40.0	D	37.3	D

Note: AWSC=All Way Stop-Controlled; TWSC=Two Way Stop-Controlled; For two-way stop-controlled intersections, the worst stop-controlled approach or movement results were listed in the table



<sup>\*</sup> AWSC/TWSC - The intersection is an AWSC or a TWSC under the existing and future no build conditions or future build conditions, respectively.

**Table 6-3. Intersection Peak Hour Queuing Comparisons** 

Ia	ole 6-3. Intersection Pea	k nour Quet	ing Comparisons									
	Intersection		Existir	ng 2021	202	4NB	202	24B	204	4NB	204	4B
			AM	PM								
10	(NB/SB & EB/WB)	Movement	Adequate Storage (Yes/No)									
		SB	Yes									
1	Roosevelt Street & Markham Street	EB*	Yes									
		WB*	Yes									
2	Birch Street & Markham	NB	Yes									
2	Street WB		Yes									
3	Cedar Street &	NB	Yes									
3	Markham Street	WB	Yes									
		NBL	Yes									
		NBT	Yes									
		NBR	Yes									
		SBL	Yes									
4	Wood Road & Markham Street	SBT	Yes	No	Yes	Yes						
	Street	EBL					Yes	Yes			Yes	Yes
		EBT	Yes									
		WBL*	Yes									
		WBT	Yes									

Note: \*The turn pocket extends into a two-way left turn lane; -- Not Applicable



#### 6.2 Conclusions

The project is proposing to build or improve a paved road along Markham Street between Roosevelt Street to Wood Road, which makes Markham Street a complete connection from Harley John Road on the west to I-215 on the east. The project is not anticipated to increase overall demand for highway traffic. Per the RivTAM model outputs, the regional total VMT is reduced with the build out of the project. In addition, residential VMT per capita and work VMT per employee are unchanged with the build out of the project. Therefore, no mitigation measures are required with the VMT reduction.

With the connectivity along Markham Street, traffic diverts from adjacent local arterials such as Mariposa Avenue, Cajalco Road, and Wood Road and uses Markham Street. Traffic diversion slightly alleviate the congestion conditions on Cajalco Road. Markham Street carries up to approximately 7,300 vehicles more daily traffic with expected service level of B or better with the project build out.

Analysis of the build alternative shows that traffic operations at all study intersections are expected to either be better than that under no build conditions or have satisfactory service levels. The traffic operations analysis also indicates that acceptable operations could be maintained through 2044 for most of the study area with the addition of a right turn lane at one intersection.

In conclusion, the proposed project is expected to provide satisfactory service levels and maintain or reduce the 95th percentile queues at all study intersections. In addition, the roadway segment service levels are expected to be slightly better under the future build conditions comparing to the no build conditions at the adjacent local arterials. Furthermore, no induced VMT is anticipated with project build out. Overall, the proposed project is expected to have beneficial effect on the transportation system and for users.



# 7 References

Highway Capacity Manual (HCM) 6th Edition. Transportation Research Board.

Riverside County Transportation Analysis guidelines for Level of Service Vehicle Miles Traveled, December 2020, County of Riverside

County of Riverside General Plan, County of Riverside

Transportation Department Traffic Counts, 2020, County of Riverside



Appendix A – Proposed Design Layout

MARKHAM STREET PROFILE POTENTIALLY SUITABLE SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO HABITAT POTENTIALLY SUITABLE BURROWING OWL HABITAT ----- CUT DAYLIGHT LINE
----- FILL DAYLIGHT LINE

Appendix B – Traffic Count Data

ADT1 Woo											Pre	pared by AimTD LL	C tel. 714 253 78
AM Period		71111 0	SB				PM Period	NB		SB		P	
<del>.</del>	4		2										
0:00 0:15	2		7				12:00 12:15	34 37		26 41			
0:30	2		6				12:30	34		29			
0:45	3	11	3	18		29	12:45	44	149		136		285
1:00	2		1				13:00	46		34			
1:15	0		4				13:15	47		46			
1:30	1		3				13:30	54		34			
1:45	1	4	1	9		13	13:45	51	198	47	161		359
2:00	2		1				14:00	55		43			
2:15	3		0				14:15	53		53			
2:30	5		2				14:30	42		58			
2:45	4	14	0	3		17	14:45	46	196	69	223		419
3:00	6		1				15:00	57		70			
3:15	3		0				15:15	47		65			
3:30	1		2				15:30	49		85			
3:45	2	12	1	4		16	15:45	88	241	62	282		523
4:00	5		3				16:00	91		69			
4:15	5		3				16:15	72		77			
4:30	3		4				16:30	56		93			
4:45	9	22		17		39	16:45	64	283		329		612
5:00	6		7				17:00	68		93			
5:15	18		4				17:15	53		66			
5:30	25		16				17:30	48		75			
5:45	18	67	10	37		104	17:45		211		300		511
6:00	33		15				18:00	49		66			
6:15	32		21				18:15	46		56			
6:30	63	100	16	00		270	18:30	45	100	58	224		447
6:45		190	28	80		270	18:45	46	186		231		417
7:00	77		21				19:00	31		45			
7:15	95		54				19:15	39		48			
7:30 7:45	76 81	329	60 65	200		529	19:30	38 33	141	46 45	184		325
		329		200		329	19:45		141		104		323
8:00	66		65				20:00	30		36			
8:15 8:30	71 69		62 36				20:15 20:30	30 25		46 31			
8:45		251		192		443	20:45		103	39	152		255
9:00	43		19	172		1.13	21:00	20	103	20	132		233
9:00 9:15	38		32				21:00	14		20 25			
9:30	42		25				21:30	12		21			
9:45		165		119		284	21:45	11	57	22	88		145
10:00	27		30	-			22:00	10		22			
10:15	23		41				22:15	8		16			
10:30	33		31				22:30	7		15			
10:45		121		146		267	22:45	4	29	12	65		94
11:00	40		33		·		23:00	7		11			
11:15	27		30				23:15	3		5			
11:30	51		48				23:30	5		6			
11:45	47	165	39	150		315	23:45	5	20	6	28		48
Total Vol.		1351		975		2326			1814		2179		3993
									MD		CP	Daily Totals	Cambine
								-	NB		SB		Combined
					АМ				3165		3154	РМ	6319
Split %		58.1%		41.9%	Al'I	36.8%			45.4%	5	4.6%	FIT	63.2%
Peak Hour		7:00		7:30		7:15			15:45		16:15		16:15
Volume		329		252		562			307		353		613
P.H.F.		0.87		0.97		0.94			0.89		0.95		0.95

Thursday	, ocpic	IIIDCI	20, 2021									
ADT2 Roo	sevelt	nor	th of Ma	arkham.						Pre	pared by AimTD LI	.C tel. 714 253 78
AM Period	NB		SB			PM Period	NB		SB			
0:00	0		0			12:00	0		0			
0:15	0		0			12:15	2		2			
0:30	0		0			12:30	0		0			
0:45	0	0	0 0			12:45	0	2	0	2		4
1:00	0		0			13:00	1		0			
1:15	0		0			13:15	1		1			
1:30	0		0			13:30	0		1			
1:45	0	0	0 0			13:45	0	2	0	2		4
2:00	0		0			14:00	0		2			
2:15	0		0			14:15	2		1			
2:30	0	_	0			14:30	2	_	1			
2:45	0	0	0 0			14:45	11	5	0	4		9
3:00	0		0			15:00	4		2			
3:15	0		0			15:15	2		1			
3:30	0	0	0 1 1			15:30	1 1	0	1 6	10		18
3:45	0	0			1	15:45		8		10		10
4:00	0		0			16:00	2		2			
4:15 4:30	0 0		0 0			16:15 16:30	4		2 0			
4:45	0	0	0 0			16:45	0	9	2	6		15
5:00	0	0	0			17:00	2		0	0		15
5:15	1		1			17:00	1		2			
5:30	0		0			17:13	1		0			
5:45	0	1	0 1		2	17:45	1	5	2	4		9
6:00	0		2		<del>-</del>	18:00	0		1	•		-
6:15	1		0			18:15	1		1			
6:30	2		0			18:30	1		2			
6:45	2	5	1 3		8	18:45	0	2	0	4		6
7:00	3		3			19:00	1		0			
7:15	1		2			19:15	0		0			
7:30	3		2			19:30	0		0			
7:45	1	8	2 9		17	19:45	0	1	0	0		1
8:00	0		2			20:00	1		0			
8:15	1		1			20:15	2		2			
8:30	0		0			20:30	0	_	0			_
8:45	0	1	2 5		6	20:45	0	3	2	4		7
9:00	1		0			21:00	0		0			
9:15	0		1			21:15	1		0			
9:30 9:45	3 2	6	1 2 4		10	21:30	0	1	0 1	1		2
		U			10	21:45						۷
10:00 10:15	0		1 1			22:00 22:15	2 0		1 0			
10:15	0		0			22:15	0		0			
10:45	0	0	1 3		3	22:45	0	2	0	1		3
11:00	0		0		<del></del>	23:00	0		0			-
11:15	2		0			23:15	0		0			
11:30	0		2			23:30	0		0			
11:45	2	4	0 2		6	23:45	0	0	0	0		
Total Vol.		25	28	3	53			40		38		78
								NID		CP	Daily Totals	Cambined
							_	NB		SB		Combined
				AM				65		66	PM	131
Split %	4	7.2%	52.8		40.5%			51.3%		8.7%	7 IVI	59.5%
Peak Hour	(	6:45	7:0		6:45			15:45		15:30		15:45
Volume		9	9		17			10		11		20

Thursday, September	23, 2021				CITY:	Riverside		PRO	JEC1:	SC3	J09	
ADT3 Mariposa betw		Prepa	red by	/ Aim	ID LLC +	el. 714 253 78						
AM Period	EB		WB			PM Period		EB		WB		
0:00	0		0			12:00		5		8		
0:15	0		0			12:15		6		5		
0:30	1		0			12:30		5		5		
0:45	0	1	0	0	1	12:45		8	24	10	28	52
1:00	0		0			13:00		3		7		
1:15	0		1			13:15		8		6		
1:30	0		0			13:30		3		3		
1:45	0	0	1	2	2	13:45		3	17	15	31	48
2:00	0		0			14:00		23		10		
2:15	0		0			14:15		4		5		
2:30	0		0			14:30		10		10		
2:45	0	0	0	0		14:45		12	49	10	35	84
3:00	0		0			15:00		4		6		
3:15	0		1			15:15		9		7		
3:30	0		1			15:30		6		10		
3:45	0	0	0	2	2	15:45		13	32	12	35	67
4:00	1		0			16:00		6		4		
4:15	1		0			16:15		2		5		
4:30	4		1			16:30		8		6		
4:45	6	12	0	1	13	16:45		4	20	4	19	39
5:00	1		0			17:00		10		9		
5:15	1		1			17:15		6		6		
5:30	2		3			17:30		4		3		
5:45	3	7	0	4	11	17:45		8	28	9	27	55
6:00	1	-	1	•		18:00		5		5		
6:15	3		0			18:15		3		9		
6:30	4		1			18:30		6		3		
6:45	7	15	4	6	21	18:45		2	16	6	23	39
7:00	18		28			19:00		4		8		
7:15	18		24			19:15		1		4		
7:30	15		14			19:30		0		5		
7:45	3	54	12	78	132	19:45		1	6	1	18	24
8:00	4		14			20:00		0		1		
8:15	2		11			20:15		3		4		
8:30	6		9			20:30		3		1		
8:45	8	20	7	41	61	20:45		1	7	0	6	13
9:00	5		6			21:00		2		1		
9:15	2		10			21:15		1		2		
9:30	4		2			21:30		0		2		
9:45	4	15	5	23	38	21:45		0	3	1	6	9
10:00	3		8			22:00		1		4		
10:15	9		8			22:15		1		2		
10:30	5		5			22:30		0		2		
10:45	8	25	3	24	49	22:45		1	3	1	9	12
11:00	3		3			23:00		1		0		
11:15	4		8			23:15		1		2		
11:30	2		7			23:30		0		1		
11:45	3	12	6	24	36	23:45		0	2	0	3	5
								-				
Total Vol.		161		205	366			_	207	-4-I-	240	447
									Daily To EB	otais	WB	Combined
							_		368		445	813
		AM							PM			
Split %		44.0%			45.0%				46.3%		53.7%	55.0%
Peak Hour		6:45		7:00	7:00				14:00		13:45	14:00
Volume P.H.F.		58 0.81		78 0.70	132 0.72				49 0.53		40 0.67	84 0.64

Thursday, September	23, 2021				CITT.	Riversiae	FRC	JECT:	3030	109	
ADT4 Cajalco betwe	en Wood and I	Harle	y Joh	n.			Prepa	red by	AimT	D LLC 1	el. 714 253 788
AM Period	EB		WB			PM Period	EB		WB		
0:00	32		13			12:00	119		113		
0:15	22		16			12:15	98		123		
0:30	25		15			12:30	129		141		
0:45	22	101	10	54	155	12:45	135	481	159	536	1017
1:00	17		9			13:00	125		168		
1:15	18		14			13:15	174		137		
1:30	13		9			13:30	218		172		
1:45	16	64	7	39	103	13:45	198	715	159	636	1351
2:00	12		9			14:00	196		164		
2:15	18		14			14:15	196		212		
2:30	12		28			14:30	194		193		
2:45	14	56	19	70	126	14:45	208	794	183	752	1546
3:00	14		36			15:00	254		189		
3:15	13		51			15:15	262		224		
3:30	16		68			15:30	293		173		
3:45	18	61	92	247	308	15:45	273	1082	203	789	1871
4:00	20		86			16:00	270		192		
4:15	28		133			16:15	264		200		
4:30	29		153			16:30	277		178		
4:45	37	114	168	540	654	16:45	286	1097	159	729	1826
5:00	38		194			17:00	290		186		
5:15	53		234			17:15	299		170		
5:30	90		241			17:30	293		157		
5:45	59	240	241	910	1150	17:45	267	1149	149	662	1811
6:00	67		252			18:00	246		140		
6:15	80		262			18:15	248		109		
6:30	109		303			18:30	209		123		
6:45	83	339	260	1077	1416	18:45	177	880	118	490	1370
7:00	118		257			19:00	182		98		
7:15	157		259			19:15	149		96		
7:30	151		267			19:30	150		87		
7:45	146	572	230	1013	1585	19:45	106	587	59	340	927
8:00	131		251			20:00	110		55		
8:15	128		229			20:15	115		60		
8:30	119		213			20:30	93		60		
8:45	131	509	174	867	1376	20:45	81	399	49	224	623
9:00	96		147			21:00	80		62		
9:15	111		146			21:15	77		39		
9:30	102		189			21:30	73		44		
9:45	108	417	179	661	1078	21:45	71	301	40	185	486
10:00	89		164			22:00	60		51		
10:15	97		140			22:15	56		40		
10:30	82		151			22:30	53		23		
10:45	110	378	124	579	957	22:45	54	223	24	138	361
11:00	103		155			23:00	45		23		
11:15	115		133			23:15	51		27		
11:30	124		112			23:30	29		24		
11:45	121	463	129	529	992	23:45	41	166	18	92	258
Total Vol.		3314		6586	9900			7874		5573	13447
								Daily To	otals		
								EB		WB	Combined
		ΑМ						11188 <b>PM</b>	ı	12159	23347
Split %		33.5%	Ď	66.5%	42.4%			58.6%		41.4%	57.6%
Peak Hour		7:15		6:15	7:15			16:45		15:15	15:15
Volume		585		1082	1592			1168		792	1890
P.H.F.		0.93		0.89	0.95			0.98		0.88	0.97

Delia	Thursday, September	23, 2021				CITT.	Niverside	FN	OJECT	. 505	009	
Delia	ADT5 Markham west	t of Roosevelt.			Prep	ared b	y Aim	TD LLC 1	el. 714 253 78			
Delify   D	AM Period	EB		WB			PM Period	El	3	WB		
	0:00	0		0			12:00	0		0		
0.00												
100		0						1				
115		0	0	0	0		12:45	1	4	1	3	7
115	1:00	0		0			13:00	1		0		
145	1:15	0		0				1		1		
145		0		0				0				
215		0	0	0	0		13:45	1	3	1	3	6
215	2:00	0		0			14:00	0		2		
1430		0		0								
245		0						2				
Second Part		0	0	0	0			2	6	0	6	12
Second Part	3:00	0		0			15:00	4		3		
3.30								3				
345												
4:15		0	0	1	1	1		2	11		11	22
4:15	4:00	0		0			16:00	2		2		
4.130												
4.45												
Sincorrectance   Sinc			0		0						6	16
Silf		0		0				2		0		
Sign												
Side												
6:00		0	1	0	1	2		2	9	1	3	12
6:15		0		2				0		1		
6:30												
6:45												
7:00			5		4	9				0	7	12
7:15		3		3				1		0		
7:30												
7:45         4         11         7         14         25         19:45         0         1         0         0         1         8.15         1         3         20:15         2         2         2         8.15         1         3         20:15         2         2         2         2         2         2         2         2         2         2         2         2         3         2         5         8         8         9         0 <td></td>												
8:15		4	11	7	14	25		0	1	0	0	1
8:15	8:00	1		6			20:00	1		0		
8:30												
8:45         0         2         2         11         13         20:45         0         3         2         5         8           9:00         1         0         21:00         0         0         0         0         0         0         0         0         1         2         1         0		0		0				0				
9:15	8:45	0	2	2	11	13	20:45	0	3	2	5	8
9:30	9:00	1		0			21:00	0		0		
9:45 3 9 4 9 18 21:45 0 1 1 1 2  10:00 0 1 2:00 2 1  10:15 1 2 2:215 0 0 0  10:30 1 1 1 2 2:30 0 0 0  10:45 0 2 1 5 7 22:45 1 3 0 1 4  11:00 0 0 0 2 3:300 0 0 0  11:15 2 0 0 0 0 0  11:15 2 0 0 0 0 0  11:15 2 0 0 0 0 0  11:15 2 0 0 0 0 0  11:15 2 0 0 0 0 0  11:15 2 0 0 0 0 0  11:45 2 0 0 2 6 23:45 0 0 0 0 0  Total Vol. 34 47 81 56 46 102  Peak Hour 7:00 7:30 7:30 44.3%  Peak Hour 7:00 7:30 7:30 15:00  Volume 11 18 27 11 11 12	9:15	0		1			21:15	1		0		
10:00 0 1 22:00 2 1 1 10:15 1 2 20:15 0 0 0 1 10:15 1 1 2 20:30 0 0 0 1 10:45 0 2 1 5 7 22:45 1 3 0 1 4 10:15 11:00 0 0 0 0 0 0 0 0 10:15 15 10:30 0 0 0 0 0 10:15 15 10:30 0 0 0 0 0 0 10:15 15 10:30 0 0 0 0 0 0 0 0 10:15 15 10:30 0 0 0 0 0 0 0 0 0 0 10:15 15 10:30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9:30	5		4			21:30	0		0		
10:15	9:45	3	9	4	9	18	21:45	0	1	1	1	2
10:30	10:00	0		1			22:00	2		1		
10:30		1		2						0		
11:00        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0<	10:30	1						0				
11:15	10:45	0	2	1	5	7	22:45	1	3	0	1	4
11:15	11:00	0		0			23:00	0		0		
11:30										0		
Total Vol. 34 47 81 56 46 102    Daily Totals   EB WB Combined   90 93 183	11:30	0		2				0		0		
AM         AM         PM         FB         WB         Combined Combin	11:45	2	4	0	2	6	23:45	0	0	0	0	
EB   WB   Combined   90   93   183   183	Total Vol.		34		47	81			56		46	102
90     93     183       AM       Split %     42.0%     58.0%     44.3%     54.9%     45.1%     55.7%       Peak Hour     7:00     7:30     7:30     14:30     15:00     15:00       Volume     11     18     27     11     11     12											MP	Combine !
AM         PM           Split %         42.0%         58.0%         44.3%         54.9%         45.1%         55.7%           Peak Hour         7:00         7:30         7:30         14:30         15:00         15:00           Volume         11         18         27         11         11         22							_					
Peak Hour         7:00         7:30         7:30         14:30         15:00         15:00           Volume         11         18         27         11         11         12         22									P			
<b>Volume</b> 11 18 <b>27</b> 11 11 <b>22</b>												
	P.H.F.		0.69		18 0.64	0.61					0.55	0.79

Thursday, September 23, 202	21				01111	Riverside	1100	JJLC1.	5050		
ADT6 Markham east of Wo		Prepo	red by	/ Aim1	D LLC 1	el. 714 253 78					
AM Period	EB		WB			PM Period	EB		WB		
0:00	3		1			12:00	14		15		
0:15	0		1			12:15	14		12		
0:30	3		2			12:30	12		12		
0:45	1	7	2	6	13	12:45	15	55	21	60	115
1:00	0		0			13:00	9		9		
1:15	1		1			13:15	26		18		
1:30	0		0			13:30	15		14		
1:45	1	2	1	2	4	13:45	24	74	17	58	132
2:00	0		0			14:00	19		27		
2:15	0		1			14:15	21		24		
2:30	0		0			14:30	15		30		
2:45	1	1	1	2	3	14:45	19	74	32	113	187
3:00	0		0			15:00	28		29		
3:15	0		0			15:15	34		36		
3:30	1		1			15:30	43		41		
3:45	0	1	0	1	2	15:45	50	155	53	159	314
4:00	1		2			16:00	55		49		
4:15	4		2			16:15	51		23		
4:30	1		2			16:30	64		22		
4:45	3	9	3	9	18	16:45	53	223	28	122	345
5:00	2		3			17:00	58		30		
5:15	3		5			17:15	39		21		
5:30	4		9			17:30	46		25		
5:45	5	14	5	22	36	17:45	36	179	23	99	278
6:00	6		8			18:00	35		24		
6:15	8		25			18:15	31		24		
6:30	12		25			18:30	25		19		
6:45	18	44	28	86	130	18:45	21	112	21	88	200
7:00	28		16			19:00	17		15		
7:15	31		51			19:15	14		12		
7:30	37		55			19:30	9		17		
7:45	38	134	63	185	319	19:45	13	53	13	57	110
8:00	46		50			20:00	10		9		
8:15	48		62			20:15	15		9		
8:30	29		27			20:30	7		7		
8:45	11	134	19	158	292	20:45	9	41	3	28	69
9:00	6		16			21:00	4		8		
9:15	9		7			21:15	6		6		
9:30	6		20			21:30	6		10		
9:45	9	30	23	66	96	21:45	5	21	4	28	49
10:00	13		13			22:00	4		3		
10:15	9		13			22:15	6		4		
10:30	8		16			22:30	5		4		
10:45	17	47	8	50	97	22:45	4	19	3	14	33
11:00	12		12			23:00	6	-	5		
11:15	11		13			23:15	4		2		
11:30	10		17			23:30	0		3		
11:45	20	53	12	54	107	23:45	2	12	2	12	24
Total Vol.		476		641	1117			1018		838	1856
		•						Daily T	otals		
								EB		WB	Combined
		АМ						1494 <b>PN</b>		1479	2973
Split %		42.6%	)	57.4%	37.6%			54.89		45.2%	62.4%
Peak Hour		7:30		7:30	7:30			16:15	;	15:15	15:45
Volume		169		230	399			226		179	367
P.H.F.		0.88		0.91	0.91			0.88		0.84	0.88

ADT7 Was			23, 20.								Dro	pared by AimTD LL	C tol 244 252 20
ADT7 Woo		outn c		knam.			DM Daviad	ND		CD	Fre	parea by Aimid LL	C Tel. 714 253 78
AM Period			SB				PM Period	NB		SB			
0:00	6		2				12:00	36		27			
0:15 0:30	2		8 6				12:15 12:30	28 35		35 31			
0:45	3	13		19		32	12:45	39	138	42	135		273
1:00	2		1				13:00	38		31			
1:15	0		3				13:15	47		39			
1:30	1		3				13:30	61		38			
1:45	2	5	3	10		15	13:45	61	207	52	160		367
2:00	2		1				14:00	55		49			
2:15	2		1				14:15	58		62			
2:30	5		2				14:30	40		67			
2:45	4	13	0	4		17	14:45		199		257		456
3:00	5		1				15:00	59		71			
3:15	3		0				15:15	46		67			
3:30 3:45	2	13	4	7		20	15:30 15:45	62	276	95 87	320		596
4:00	4	13	5	/		20	16:00	112	2/0	83	320		390
4:15	5		2				16:15	100		75			
4:30	2		7				16:30	81		75			
4:45	9	20		20		40	16:45		370		313		683
5:00	5		9				17:00	83		78			
5:15	15		7				17:15	64		60			
5:30	26		22				17:30	61		66			
5:45	20	66	12	50		116	17:45	51	259	63	267		526
6:00	37		22				18:00	51		58			
6:15	25		33				18:15	53		56			
6:30	51		20				18:30	46		52			
6:45	49	162	28	103		265	18:45		198		213		411
7:00	85		21				19:00	31		46			
7:15	89		69 92				19:15	35 35		49			
7:30 7:45	83 88	345	92 91	273		618	19:30 19:45		134	52 47	194		328
8:00	85	575	88	2/3		010	20:00	27	157	34	137		320
8:15	83		91				20:00	34		46			
8:30	76		45				20:30	25		31			
8:45	39	283	33	257		540	20:45		106		148		254
9:00	39		26				21:00	15		21			
9:15	39		33				21:15	14		25			
9:30	38		35				21:30	11		22			
9:45	33	149	43	137		286	21:45	7	47	20	88		135
10:00	27		32				22:00	9		19			
10:15	19		40				22:15	9		14			
10:30	24	114	29	140		254	22:30	8	20	17	61		01
10:45		114	39	140		254	22:45	4	30	11	61		91
11:00 11:15	37 27		29 30				23:00 23:15	6 2		11			
11:15	48		30 49				23:15	6		4 8			
11:45		158	34	142		300	23:45	5	19	7	30		49
Total Vol.		1341	1	1162		2503			1983		2186		4169
									NB		SB	Daily Totals	Combined
								-	3324		3348		6672
					AM							РМ	
Split %		53.6%	4	16.4%		37.5%			47.6%		52.4%		62.5%
Peak Hour		7:00		7:30		7:30			15:45		15:30		15:30
Volume		345		362		701			402		340		723
P.H.F.		0.97		0.98		0.98			0.94		0.89		0.92

Thursday, September	23, 2021				CIII.	RIVEISIUE	FN	OJECT.	3030	109	
ADT8 Markham betw	veen Wood and	l Ced	ar.				Prep	ared by	/ AimT	D LLC 1	t <b>el</b> . 714 253 788
AM Period	EB		WB			PM Period	EE	3	WB		
0:00	0		0			12:00	1		3		
0:15	0		0			12:15	6		1		
0:30	1		0			12:30	6		5		
0:45	1	2	2	2	4	12:45	3	16	2	11	27
1:00	0		0			13:00	8		3		
1:15	0		1			13:15	4		3		
1:30	0		0			13:30	1		3		
1:45	1	1	0	1	2	13:45	5	18	3	12	30
2:00	0		0			14:00	4	10	6		
2:15	1					14:15	5		4		
	0		0				1		5		
2:30 2:45	0	1	0	0	1	14:30 14:45	5	15	8	23	38
				- 0	1			15		23	
3:00	1		0			15:00	1		3		
3:15	0		0			15:15	4		3		
3:30	1	_	0	_	_	15:30	2		3		
3:45	0	2	0	0	2	15:45	6	13	5	14	27
4:00	2		0			16:00	3		4		
4:15	1		0			16:15	5		7		
4:30	3		0			16:30	1		2		
4:45	0	6	1	1	7	16:45	5	14	3	16	30
5:00	2		0			17:00	1		3		
5:15	4		0			17:15	4		3		
5:30	1		1			17:30	2		3		
5:45	0	7	0	1	8	17:45	1	8	0	9	17
6:00	2		1			18:00	3		2		
6:15	3		1			18:15	5		5		
6:30	7		4			18:30	3		4		
6:45	5	17	2	8	25	18:45	1	12	7	18	30
7:00	7		3			19:00	6		3		
7:15	5		4			19:15	8		1		
7:30	10		3			19:30	4		3		
7:45	5	27	11	21	48	19:45	4	22	2	9	31
8:00	6		6			20:00	3		1		
8:15	6		3			20:15	2		0		
8:30	6		2			20:30	3		3		
8:45	4	22	2	13	35	20:45	2	10	0	4	14
9:00	3		2			21:00	3		1	•	
9:15	5		3			21:15	2		2		
9:30	2		2			21:30	0		2		
9:45	2	12	7	14	26	21:45	3	8	0	5	13
		12		177	20			0		J	
10:00	5		3			22:00	2		3		
10:15	3		4			22:15	0		1		
10:30	4	1.4	5	10	20	22:30	3	_	1	,	13
10:45	2	14	4	16	30	22:45	1	6	1	6	12
11:00	3		4			23:00	3		1		
11:15	1		3			23:15	3		1		
11:30	5		8			23:30	0	_	2		
11:45	7	16	3	18	34	23:45	1	7	0	4	11
Total Vol.		127		95	222			149		131	280
								Daily T	otals		
								EB		WB	Combined
								276	_	226	502
Calit 0/-		<b>AM</b>		42.007	44 20/			PN		46 00/	EE OO/
Split % Peak Hour		57.2%	)		44.2%			53.29		46.8%	55.8%
Volume		6:45 27		7:15 24	7:15 50			12:15 23		14:00 23	14:00 38
P.H.F.		0.68		2 <del>4</del> 0.55	50 0.78			23 0.72		23 0.72	38 0.73
		2.00						0., 2			

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE:<br/>Thu, Sep 23, 21LOCATION:<br/>NORTH & SOUTH:<br/>EAST & WEST:Riverside<br/>Roosevelt<br/>MarkhamPROJECT #:<br/>LOCATION #:<br/>LOCATION #:<br/>CONTROL:SC3069<br/>LOCATION #:<br/>STOP ALL

	NOTES:										AM PM		▲ N	
											MD	<b>■</b> W		Ε ▶
											OTHER	<u> </u>	S	
											OTHER		▼	
		NO	ORTHBOU	ND	S	OUTHBOL	IND	E.	ASTBOUN	ND	W	/ESTBOUI	ND	
			Roosevelt			Roosevelt			Markham			Markham		
	LANES:	NL X	NT X	NR X	SL 0	ST X	SR 0	EL 0	ET 1	ER X	WL X	WT 1	WR 0	TOTAL
	7:00 AM	0	0	0	0	0	3	3	0	0	0	0	0	6
	7:15 AM	0	0	0	0	0	2	1	0	0	0	0	0	3
	7:30 AM	0	0	0	0	0	3	3	0	0	0	0	0	6
	7:45 AM	0	0	0	0	0	2	3	1	0	0	3	0	9
	8:00 AM	0	0	0	0	0	2	1	0	0	0	3	0	6
	8:15 AM	0	0	0	0	0	1	1	0	0	0	2	0	4
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Σ	8:45 AM VOLUMES	0	0	0	0	0	2	0	0	0	0	0	0	2
⋖	VOLUMES	0	0	0	0	0	15	12	1	0	0	8	0	36
	APPROACH %	0%	0%	0%	0%	0%	100%	92%	8%	0%	0%	100%	0%	_
	APP/DEPART	0		9	15	/	0	13	/	1	8	/	26	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	0	0	0	8	8	1	0	0	8	0	25
	APPROACH %	0%	0%	0%	0%	0%	100%	89%	11%	0%	0%	100%	0%	
	PEAK HR FACTOR		0.000			0.667			0.563			0.667		0.694
	APP/DEPART	0		5	8	/	0	9	/	1	8	/	19	0
	4:00 PM	0	0	0	0	0	2	2	0	0	0	0	0	4
	4:15 PM	0	0	0	0	0	2	4	0	0	0	0	0	6
	4:30 PM	0	0	0	0	0	0	3	0	0	0	0	0	3
	4:45 PM	0	0	0	0	0	2	0	1	0	0	0	0	3
	5:00 PM	0	0	0	0	0	0	2	0	0	0	0	0	2
	5:15 PM	0	0	0	3	0	2	1	2	0	0	0	0	8
	5:30 PM	0	0	0	0	0	0	1	1	0	0	0	0	2
Σ	5:45 PM	0	0	0	1	0	9	1	1	0	0	0	0	4
•	VOLUMES	0	•		4	•		14	5	0	_	•	•	32
	APPROACH %	0% 0	0%	0%	31%	0%	69%	74% 19	26%	0%	0%	0%	0%	0
	APP/DEPART BEGIN PEAK HR	U	5:00 PM	14	13		0	19		9	0	1	9	U
	VOLUMES	0	5:00 PM	0	4	0	3	5	4	0	0	0	0	16
	APPROACH %	0%	0%	0%	57%	0%	3 43%	56%	4 44%	0%	0%	0%	0%	10
	PEAK HR FACTOR	U%0	0.000	U%0	5/%	0.350	45%	50%	0.563	U%0	U%0	0.000	U%0	0.500
	APP/DEPART	0	0.000	5	7	0.350	0	9	0.503	8	0	0.000	3	0.500
	AFF/DEPAK I	U		Э	/	/	U	9	1	Ø	U	/	<b>3</b>	U

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Thu, Sep 23, 21 LOCATION:RiversidePROJECT #:SC3069NORTH & SOUTH:WoodLOCATION #:2EAST & WEST:MarkhamCONTROL:SIGNAL

	NOTES:										AM		<b>A</b>	
											PM		N	
											MD	<b>⋖</b> W	•	E►
											OTHER		S	
											OTHER		▼	
		N	ORTHBOU	ND	SC	OUTHBOU	ND	E.	ASTBOUN	ID	W	ESTBOUN	ND	
			Wood			Wood			Markham			Markham		
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	LANES:	1	1	1	1	1	0	0	1	0	1	1	0	
	7:00 AM	0	63	22	4	15	2	4	2	1	5	1	10	129
	7:15 AM	0	71	18	12	38	4	2	1	2	29	0	22	199
	7:30 AM	0	54	29	5	53	2	7	3	0	39	1	15	208
	7:45 AM	1	64	23	12	49	4	1	3	1	41	6	16	221
	8:00 AM	0	52	33	12	50	3	4	1	1	37	3	10	206
	8:15 AM	1	52	30	17	45	0	3	1	2	44	2	16	213
	8:30 AM	1	52	23	5	31	0	5	1	0	14	1	12	145
¥	8:45 AM	0	33	6	4	23	2	3	1	0	10	0	9	91
₹	VOLUMES	3	441	184	71	304	17	29	13	7	219	14	110	1,412
	APPROACH %	0%	70%	29%	18%	78%	4%	59%	27%	14%	64%	4%	32%	
	APP/DEPART	628	1	580	392	/	530	49	/	268	343	/	34	0
	Begin Peak Hr		7:30 AM											
	VOLUMES	2	222	115	46	197	9	15	8	4	161	12	57	848
	APPROACH %	1%	65%	34%	18%	78%	4%	56%	30%	15%	70%	5%	25%	
	PEAK HR FACTOR		0.963			0.969			0.675			0.913		0.959
	APP/DEPART	339		294	252	/	362	27	/	169	230	/	23	0
	4:00 PM	1	69	42	13	53	3	3	0	0	30	0	19	233
	4:15 PM	0	60	40	11	61	5	3	0	2	12	2	9	205
	4:30 PM	0	50	31	33	58	2	1	0	0	17	0	5	197
	4:45 PM	0	47	30	21	66	3	3	2	0	14	0	14	200
	5:00 PM	0	57	26	31	61	1	0	1	0	17	2	11	207
	5:15 PM	1	42	21	16	49	1	2	2	0	11	1	9	155
	5:30 PM	0	37	24	21	52	2	1	1	0	14	1	10	163
Σ	5:45 PM	0	34	17	19	47	0	1	0	0	16	0	7	141
Δ.	VOLUMES	2	396	231	165	447	17	14	6	2	131	6	84	1,501
	APPROACH %	0%	63%	37%	26%	71%	3%	64%	27%	9%	59%	3%	38%	_
	APP/DEPART	629	/	494	629	/	580	22	/	402	221	/	25	0
	BEGIN PEAK HR		4:00 PM				4.0		_	_		_	4-	
	VOLUMES	1	226	143	78	238	13	10	2	2	73	2	47	835
	APPROACH %	0%	61%	39%	24%	72%	4%	71%	14%	14%	60%	2%	39%	
	PEAK HR FACTOR		0.826			0.884			0.700			0.622		0.896
	APP/DEPART	370		283	329	/	313	14	/	223	122	/	16	0

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DATE: Thu, Sep 23, 21 LOCATION: Riverside PROJECT #: SC3069 Cedar 3

NORTH & SOUTH: EAST & WEST: LOCATION #: CONTROL: Markham NO CONTROL

	NOTES:										AM		<b>A</b>	
											PM	4 )4/	N	
											MD	<b>⋖</b> W		E►
											OTHER		S	
											OTHER		▼	
		NO	ORTHBOU	IND	SC	DUTHBOU	ND	E	ASTBOUN	ID	W	/ESTBOUN	ND	
			Cedar			Cedar			Markham			Markham		
	LANES:	NL 0	NT X	NR 0	SL X	ST X	SR X	EL X	ET 1	ER 0	WL 0	WT 1	WR X	TOTAL
_										_				7
	7:00 AM 7:15 AM	0	0	0	0	0	0	0	5	0	0	3	0	7 8
	7:30 AM	0	0	1	0	0	0	0	5	0	1	1	0	8
	7:45 AM	0	0	1	0	0	0	0	2	0	1	6	0	10
	8:00 AM	1	0	3	0	0	0	0	3	1	1	5	0	14
	8:15 AM	0	0	3	0	0	0	0	1	0	1	2	0	7
	8:30 AM	0	0	1	0	0	0	0	4	0	1	2	0	8
Ļ	0.45.444	0	0	1	0	0	0	0	2	0	0	2	0	5
AΜ	VOLUMES	1	0	14	0	0	0	0	23	1	6	22	0	67
	APPROACH %	7%	0%	93%	0%	0%	0%	0%	96%	4%	21%	79%	0%	"
	APP/DEPART	15	1	0	0	1	7	24	1	37	28	1	23	0
	BEGIN PEAK HR		7:15 AM			·						•		
	VOLUMES	1	0	9	0	0	0	0	11	1	3	15	0	40
	APPROACH %	10%	0%	90%	0%	0%	0%	0%	92%	8%	17%	83%	0%	
	PEAK HR FACTOR		0.625			0.000			0.600			0.643		0.714
	APP/DEPART	10	1	0	0	/	4	12	/	20	18	/	16	0
	4:00 PM	0	0	1	0	0	0	0	2	0	3	1	0	7
	4:15 PM	0	0	1	0	0	0	0	1	0	2	4	0	8
	4:30 PM	0	0	1	0	0	0	0	0	0	1	0	0	2
	4:45 PM	0	0	2	0	0	0	0	1	0	1	2	0	6
	5:00 PM	0	0	1	0	0	0	0	1	0	2	0	0	4
	5:15 PM	0	0	0	0	0	0	0	4	0	0	2	0	6
	5:30 PM	0	0	0	0	0	0	0	4	0	3	2	0	9
Σ	5:45 PM	0	0	0	0	0	0	0	0	0	1	2	0	3
Ι "	VOLUMES	0	0	6	0	0	0	0	13	0	13	13	0	45
	APPROACH %	0%	0%	100%	0% 0	0%	0% 13	0% 13	100%	0% 19	50% 26	50%	0% 13	0
	APP/DEPART BEGIN PEAK HR	6	4:45 PM	-	U	/	13	13	/	19	20	/	13	U
	VOLUMES	0	4:45 PM	3	0	0	0	0	10	0	6	6	0	25
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	50%	50%	0%	23
	PEAK HR FACTOR	070	0.375	10070	U70	0.000	070	070	0.625	U 70	3070	0.600	U 70	0.694
	IL LAN LIN LACION	l	0.5/5			0.000		i	0.023		1	0.000		0.057
1	APP/DEPART	3	,	0	0	1	6	10	1	13	12	1	6	0

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DATE: Thu, Sep 23, 21

Riverside Brich LOCATION: NORTH & SOUTH:

LOCATION #: CONTROL: 4 NO CONTROL EAST & WEST: Markham

PROJECT #:

SC3069

	NOTES:										AM		A	
											PM MD	<b>■</b> W	N	E►
											OTHER	$\vdash$	S	
											OTHER		▼	
		NO	ORTHBOU	IND	SC	OUTHBOU	ND	E	ASTBOUN	D	l W	ESTBOUN	ID	
			Brich			Brich			Markham	-		Markham	-	
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	LANES:	0	X	0	X	X	X	X	1	0	0	1	X	
	7:00 AM	0	0	2	0	0	0	0	2	0	0	1	0	5
	7:15 AM	0	0	0	0	0	0	0	1	0	2	1	0	4
	7:30 AM	0	0	0	0	0	0	0	5	0	0	2	0	7
	7:45 AM	0	0	0	0	0	0	0	1	0	1	5	0	7
	8:00 AM	0	0	0	0	0	0	0	3	0	1	3	0	7
	8:15 AM	0	0	1	0	0	0	0	2	0	0	3	0	6
	8:30 AM	0	0	4	0	0	0	0	1	0	0	1	0	6
AΜ	8:45 AM	0	0	0	0	0	0	0	1	0	1	1	0	3
۱۹	VOLUMES	0	0	7	0	0	0	0	16	0	5	17	0	45
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	23%	77%	0%	
	APP/DEPART	7		0	0	/	5	16	/	23	22	/	17	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	1	0	0	0	0	11	0	2	13	0	27
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	100%	0%	13%	87%	0%	
	PEAK HR FACTOR		0.250			0.000			0.550			0.625		0.964
	APP/DEPART	1		0	0	/	2	11	/	12	15	/	13	0
	4:00 PM	0	0	2	0	0	0	0	0	0	1	0	0	3
	4:15 PM	0	0	1	0	0	0	0	1	0	1	3	0	6
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	0	0	0	0	0	0	0	0	0	2	0	0	2
	5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
	5:15 PM	0	0	2	0	0	0	0	2	0	0	2	0	6
	5:30 PM	0	0	0	0	0	0	0	4	1	0	2	0	7
Σ	5:45 PM	0	0	1	0	0	0	0	3	0	4	1	0	9
I٩	VOLUMES	0	0	6	0	0	0	0	11	1	8	8	0	34
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	92%	8%	50%	50%	0%	
	APP/DEPART	6	/_	0	0		9	12	/	17	16	/	8	0
	BEGIN PEAK HR	_	5:00 PM			_	_	_				_	_	
ĺ	VOLUMES	0	0	3	0	0	0	0	10	1	4	5	0	23
ĺ	APPROACH %	0%	0%	100%	0%	0%	0%	0%	91%	9%	44%	56%	0%	
1	PEAK HR FACTOR		0.375			0.000			0.550			0.450		0.639
	APP/DEPART	3		0	0	/	5	11	/	13	9	/	5	0

Appendix C – Synchro Analysis Worksheets

Intercetion						
Intersection Delay alveb	6.0					
Intersection Delay, s/veh	6.9					
Intersection LOS	Α					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		र्स	1≽		W	
Traffic Vol, veh/h	10	1	8	1	1	10
Future Vol, veh/h	10	1	8	1	1	10
Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	1	12	1	1	15
Number of Lanes	0	1	1	0	1	0
Approach	EB		WB		SB	
Opposing Approach	WB		EB			
Opposing Lanes	1		1		0	
Conflicting Approach Left	SB				WB	
Conflicting Lanes Left	1		0		1	
Conflicting Approach Right	•		SB		EB	
Conflicting Lanes Right	0		1		1	
HCM Control Delay	7.2		7		6.5	
HCM LOS	Α		A		A	
Lane		EBLn1	WBLn1	SBLn1		
Vol Left, %		91%	0%	9%		
Vol Thru, %		9%	89%	0%		
Vol Right, %		0%	11%	91%		
Sign Control		Stop	Stop	Stop		
Traffic Vol by Lane		11	9	11		
LT Vol		10	0	1		
Through Vol		1	8	0		
RT Vol		0	1	10		
Lane Flow Rate						
		16	13	16		
		16 1	13 1	16 1		
Geometry Grp		1	1	1		
Geometry Grp Degree of Util (X)		1 0.019	1 0.015	1 0.016		
Geometry Grp Degree of Util (X) Departure Headway (Hd)		1 0.019 4.156	1 0.015 3.909	1 0.016 3.459		
Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N		1 0.019 4.156 Yes	1 0.015 3.909 Yes	1 0.016 3.459 Yes		
Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap		1 0.019 4.156 Yes 866	1 0.015 3.909 Yes 920	1 0.016 3.459 Yes 1037		
Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time		1 0.019 4.156 Yes 866 2.16	1 0.015 3.909 Yes 920 1.915	1 0.016 3.459 Yes 1037 1.473		
Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap		1 0.019 4.156 Yes 866	1 0.015 3.909 Yes 920	1 0.016 3.459 Yes 1037		

0.1

0

0

HCM 95th-tile Q

Intersection						
Int Delay, s/veh	2.4					
		===	14/=-	14/5-		
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			4	W	
Traffic Vol, veh/h	9	0	4	12	0	5
Future Vol, veh/h	9	0	4	12	0	5
Conflicting Peds, #/hr	0	0	0	0	0	0
•	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	<del>#</del> 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	10	0	4	13	0	5
Majay/Minay Ma	-:1		Maia nO		Min a m1	
	ajor1		Major2		Minor1	4.0
Conflicting Flow All	0	0	10	0	31	10
Stage 1	-	-	-	-	10	-
Stage 2	-	-	-	-	21	-
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	-	-	1610	-	983	1071
Stage 1	-	-	-	-	1013	-
Stage 2	-	-	-	-	1002	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	_	1610	-	980	1071
Mov Cap-2 Maneuver	-	-	-	-	980	-
Stage 1	-	_	-	_	1013	-
Stage 2	_	_	_	_	999	_
5 ta go =						
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.8		8.4	
HCM LOS					Α	
Minor Lane/Major Mvmt	ı	NBLn1	EBT	EBR	WBL	WBT
	<u>'</u>		LDI	LDIX	1610	וטיי
Capacity (veh/h) HCM Lane V/C Ratio		1071	-			
		0.005	-		0.003	-
HCM Control Delay (s)		8.4 A	-	-	7.2	0
		Δ	-	-	Α	Α
HCM Lane LOS HCM 95th %tile Q(veh)		0	_		0	-

Intersection						
Int Delay, s/veh	2.6					
Movement	EDT	EDD	///DI	WDT	NIDI	NDD
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	Þ			- ન	Y	
Traffic Vol, veh/h	13	1	4	15	1	9
Future Vol, veh/h	13	1	4	15	1	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	_	_	0	0	-
Grade, %	0	_	_	0	0	_
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
	19	1				
Mvmt Flow	19	- 1	6	21	1	13
Major/Minor N	lajor1	ľ	Major2		Minor1	
Conflicting Flow All	0	0	20	0	53	20
Stage 1	-		-		20	-
		-		-		
Stage 2	-	-	-	-	33	-
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	-	955	1058
Stage 1	-	-	-	-	1003	-
Stage 2	_	-	-	_	989	-
Platoon blocked, %	_	_		_		
Mov Cap-1 Maneuver	_	_	1596	_	951	1058
Mov Cap-1 Maneuver	_	_	1000	_	951	1030
		-				
Stage 1	-	-	-	-	1003	-
Stage 2	-	-	-	-	985	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.5		8.5	
HCM LOS					Α	
Minor Lane/Major Mvmt		NBLn1	EBT	EBR	WBL	WBT
		1046			1596	VVD1
Capacity (veh/h)			-			-
HCM Lane V/C Ratio		0.014	-		0.004	-
HCM Control Delay (s)		8.5	-	-	7.3	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0	-	-	0	-

## 4: Wood Rd & Markham St

	<b>→</b>	•	←	4	<b>†</b>	~	-	<b>↓</b>	
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	
Lane Group Flow (vph)	28	168	72	2	231	120	48	214	
v/c Ratio	0.09	0.57	0.22	0.01	0.75	0.16	0.16	0.69	
Control Delay	29.4	43.0	13.9	31.5	52.0	3.8	33.8	47.9	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	29.4	43.0	13.9	31.5	52.0	3.8	33.8	47.9	
Queue Length 50th (ft)	12	89	6	1	127	0	24	115	
Queue Length 95th (ft)	35	155	43	7	#233	31	55	#207	
Internal Link Dist (ft)	1290		1265		704			1552	
Turn Bay Length (ft)		250		150			195		
Base Capacity (vph)	299	295	321	295	310	729	295	310	
Starvation Cap Reductn	0	0	0	0	0	0	0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0	
Reduced v/c Ratio	0.09	0.57	0.22	0.01	0.75	0.16	0.16	0.69	
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	۶	<b>→</b>	•	•	<b>←</b>	4	1	<b>†</b>	<b>/</b>	<b>/</b>	<b>+</b>	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		ሻ	₽		ሻ	<b>•</b>	7	ሻ	₽	
Traffic Volume (veh/h)	15	8	4	161	12	57	2	222	115	46	197	9
Future Volume (veh/h)	15	8	4	161	12	57	2	222	115	46	197	9
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	16	8	4	168	12	59	2	231	120	48	205	9
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	169	84	42	297	46	225	297	312	528	297	296	13
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	1014	507	253	1781	275	1352	1781	1870	1585	1781	1778	78
Grp Volume(v), veh/h	28	0	0	168	0	71	2	231	120	48	0	214
Grp Sat Flow(s),veh/h/ln	1774	0	0	1781	0	1627	1781	1870	1585	1781	0	1856
Q Serve(g_s), s	1.2	0.0	0.0	7.8	0.0	3.3	0.1	10.6	4.9	2.1	0.0	9.8
Cycle Q Clear(g_c), s	1.2	0.0	0.0	7.8	0.0	3.3	0.1	10.6	4.9	2.1	0.0	9.8
Prop In Lane	0.57		0.14	1.00		0.83	1.00	0.10	1.00	1.00		0.04
Lane Grp Cap(c), veh/h	296	0	0	297	0	271	297	312	528	297	0	309
V/C Ratio(X)	0.09	0.00	0.00	0.57	0.00	0.26	0.01	0.74	0.23	0.16	0.00	0.69
Avail Cap(c_a), veh/h	296	0	0	297	0	271	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.8	0.0	0.0	34.5 7.6	0.0	31.6 2.3	31.3 0.0	35.7 14.7	21.6 1.0	32.1 1.2	0.0	35.3
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0 0.0
Initial Q Delay(d3),s/veh %ile BackOfQ(50%),veh/ln	0.5	0.0	0.0	3.8	0.0	1.4	0.0	5.9	2.4	1.0	0.0	5.2
Unsig. Movement Delay, s/veh		0.0	0.0	3.0	0.0	1.4	0.0	5.9	2.4	1.0	0.0	5.2
LnGrp Delay(d),s/veh	31.5	0.0	0.0	42.1	0.0	33.9	31.3	50.3	22.6	33.3	0.0	47.3
LnGrp LOS	31.5 C	Α	0.0 A	42.1 D	Α	33.9 C	31.3 C	50.5 D	22.0 C	33.3 C	Α	47.3 D
Approach Vol, veh/h		28		ט	239			353			262	<u> </u>
Approach Delay, s/veh		31.5			39.7			40.8			44.7	
Approach LOS		31.5 C			39.7 D			40.6 D			44.7 D	
Apploach LOS					U						D	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+l1), s		13.6		3.2		11.8		10.8				
Green Ext Time (p_c), s		0.7		0.0		0.6		0.5				
Intersection Summary												
HCM 6th Ctrl Delay			41.4									
HCM 6th LOS			D									

Intersection   Intersection   Delay, s/veh   Toursection   LoS   A							
Movement		_					
Movement							
Traffic Vol, veh/h	Intersection LOS	A					
Traffic Vol, veh/h							
Traffic Vol, veh/h         9         4         1         1         4         6           Future Vol, veh/h         9         4         1         1         4         6           Peak Hour Factor         0.67         0.68         0.08         0.	Movement	EBL	EBT	WBT	WBR		SBR
Traffic Vol, veh/h         9         4         1         1         4         6           Future Vol, veh/h         9         4         1         1         4         6           Peak Hour Factor         0.67         0.68         9         0.00<	Lane Configurations		र्स	f)		W	
Peak Hour Factor         0.67         0.07	Traffic Vol, veh/h	9			1	4	6
Heavy Vehicles, %   2   2   2   2   2   2   2   2   2	Future Vol, veh/h	9	4	1	1	4	6
Mvmt Flow         13         6         1         1         6         9           Number of Lanes         0         1         1         0         1         0           Approach         EB         WB         SB         SB           Opposing Approach         WB         EB         Opposing Lanes         1         1         0         0           Conflicting Approach Left         SB         WB         WB         Conflicting Lanes Left         1         0         1         1         1         Conflicting Lanes Right         0         1         1         1         Conflicting Lanes Right         0         1         1         1         HCM Control Delay         7.2         6.7         6.8         HCM LOS         A	Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67
Number of Lanes	Heavy Vehicles, %	2	2	2	2	2	2
Approach         EB         WB         SB           Opposing Approach         WB         EB         Opposing Lanes         1         1         0         0           Conflicting Approach Left         SB         WB         Conflicting Lanes Left         1         0         1         1         1         Conflicting Lanes Right         0         1         1         1         1         HCM Los         6.7         6.8         HCM Los         A         B         <	Mvmt Flow	13	6	1	1	6	9
Opposing Approach         WB         EB           Opposing Lanes         1         1         0           Conflicting Approach Left         SB         WB           Conflicting Lanes Left         1         0         1           Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           A         A         A         A           HCM LOS         A         A         A           HCM LOS         A         A         A           HCM LOS         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Left, %         69%         0%         40%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4	Number of Lanes	0	1	1	0	1	0
Opposing Approach         WB         EB           Opposing Lanes         1         1         0           Conflicting Approach Left         SB         WB           Conflicting Lanes Left         1         0         1           Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           A         A         A         A           HCM LOS         A         A         A           LOS         A         A         A           LOS         A         A         A           LOS         A         A         A           LOS         O%         40%           Vol Left, %         69%         0%         40%           Vol Right, %         0%         50%         60%	Approach	EB		WB		SB	
Opposing Lanes         1         1         0           Conflicting Approach Left         SB         WB           Conflicting Lanes Left         1         0         1           Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Departure Headway (Hd)         4.101         3.67							
Conflicting Approach Left         SB         WB           Conflicting Lanes Left         1         0         1           Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           A         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1						0	
Conflicting Lanes Left         1         0         1           Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N						WB	
Conflicting Approach Right         SB         EB           Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           A         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3				0			
Conflicting Lanes Right         0         1         1           HCM Control Delay         7.2         6.7         6.8           HCM LOS         A         A         A           A         A         A         A           Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877						EB	
HCM Control Delay   7.2   6.7   6.8     HCM LOS		0					
Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015						6.8	
Lane         EBLn1         WBLn1         SBLn1           Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
Vol Left, %         69%         0%         40%           Vol Thru, %         31%         50%         0%           Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015	Lane		EBI n1	WBI n1	SBL n1		
Vol Thru, %       31%       50%       0%         Vol Right, %       0%       50%       60%         Sign Control       Stop       Stop       Stop         Traffic Vol by Lane       13       2       10         LT Vol       9       0       4         Through Vol       4       1       0         RT Vol       0       1       6         Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Vol Right, %         0%         50%         60%           Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
Sign Control         Stop         Stop         Stop           Traffic Vol by Lane         13         2         10           LT Vol         9         0         4           Through Vol         4         1         0           RT Vol         0         1         6           Lane Flow Rate         19         3         15           Geometry Grp         1         1         1           Degree of Util (X)         0.022         0.003         0.015           Departure Headway (Hd)         4.101         3.674         3.693           Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
Traffic Vol by Lane       13       2       10         LT Vol       9       0       4         Through Vol       4       1       0         RT Vol       0       1       6         Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
LT Vol       9       0       4         Through Vol       4       1       0         RT Vol       0       1       6         Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Through Vol       4       1       0         RT Vol       0       1       6         Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
RT Vol       0       1       6         Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Lane Flow Rate       19       3       15         Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Geometry Grp       1       1       1         Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Degree of Util (X)       0.022       0.003       0.015         Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Departure Headway (Hd)       4.101       3.674       3.693         Convergence, Y/N       Yes       Yes       Yes         Cap       877       978       972         Service Time       2.105       1.682       1.703         HCM Lane V/C Ratio       0.022       0.003       0.015							
Convergence, Y/N         Yes         Yes         Yes           Cap         877         978         972           Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
Cap     877     978     972       Service Time     2.105     1.682     1.703       HCM Lane V/C Ratio     0.022     0.003     0.015							
Service Time         2.105         1.682         1.703           HCM Lane V/C Ratio         0.022         0.003         0.015							
HCM Lane V/C Ratio 0.022 0.003 0.015							
ricivi control Delay r.2 0.7 0.0	HCM Control Delay		7.2	6.7	6.8		
HCM Lane LOS A A A							
HCM 95th-tile Q 0.1 0 0							

Intersection						
Int Delay, s/veh	2.3					
		EDD	MA	MOT	ND	NDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	Þ			र्स	¥	
Traffic Vol, veh/h	10	1	4	5	0	3
Future Vol, veh/h	10	1	4	5	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	<b>#</b> 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	64	64	64	64
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	2	6	8	0	5
N.A. '. (N.A.)			4 : 0			
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	18	0	37	17
Stage 1	-	-	-	-	17	-
Stage 2	-	-	-	-	20	-
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	-	-	1599	-	975	1062
Stage 1	-	-	-	-	1006	-
Stage 2	-	-	-	-	1003	-
Platoon blocked, %	-	_		_		
Mov Cap-1 Maneuver	_	_	1599	-	971	1062
Mov Cap-2 Maneuver	_	_	-	_	971	-
Stage 1	_	_	_	_	1006	_
Stage 2	_	_	_	_	999	_
Olugo Z					555	
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.2		8.4	
HCM LOS					Α	
Minor Lane/Major Mvmt	N	NBLn1	EBT	EBR	WBL	WBT
	<u> </u>			LDIX		WDI
Capacity (veh/h)		1062	-	-	1599	-
HCM Lane V/C Ratio		0.004	-		0.004	-
HCM Control Delay (s)		8.4	-	-	7.3	0
HCM Lane LOS HCM 95th %tile Q(veh)		A 0	-	-	A 0	A -

Intersection						
Int Delay, s/veh	3.2					
<u> </u>			14/	14/5-		
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			- 4	¥	
Traffic Vol, veh/h	10	0	7	7	0	5
Future Vol, veh/h	10	0	7	7	0	5
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	<del>4</del> 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	14	0	10	10	0	7
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	14	0	44	14
Stage 1	-	-	-	-	14	-
Stage 2	-	-	-	-	30	-
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	-	-	1604	-	967	1066
Stage 1	_	_	_	_	1009	-
Stage 2	_	_	_	_	993	_
Platoon blocked, %	_	_		_	000	
Mov Cap-1 Maneuver	_	_	1604	_	961	1066
Mov Cap-1 Maneuver	_		-	_	961	-
Stage 1		_	_	_	1009	-
_	_	-	-	-	987	-
Stage 2	-	-	-	-	307	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.6		8.4	
HCM LOS					Α	
		.D				14/5-
Minor Lane/Major Mvmt	N	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	•	1066	-	-	1604	-
Capacity (veh/h) HCM Lane V/C Ratio		1066 0.007	-		0.006	-
Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s)		1066				<u>-</u> 0
Capacity (veh/h) HCM Lane V/C Ratio		1066 0.007	-	-	0.006	-

## 4: Wood Rd & Markham St

	<b>→</b>	•	←	4	<b>†</b>	~	-	<b>↓</b>	
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	
Lane Group Flow (vph)	15	81	54	1	251	159	87	278	
v/c Ratio	0.05	0.27	0.17	0.00	0.81	0.21	0.29	0.90	
Control Delay	29.4	35.6	11.8	31.0	57.6	3.6	36.0	68.7	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	29.4	35.6	11.8	31.0	57.6	3.6	36.0	68.7	
Queue Length 50th (ft)	6	41	1	1	139	0	44	155	
Queue Length 95th (ft)	24	83	32	5	#261	35	88	#301	
Internal Link Dist (ft)	1290		1265		2194			1552	
Turn Bay Length (ft)		250		150			195		
Base Capacity (vph)	295	295	309	295	310	752	295	310	
Starvation Cap Reductn	0	0	0	0	0	0	0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0	
Reduced v/c Ratio	0.05	0.27	0.17	0.00	0.81	0.21	0.29	0.90	
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	۶	<b>→</b>	•	•	-	4	1	<b>†</b>	<b>/</b>	<b>/</b>	<b>+</b>	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		7	ĵ»		ሻ	<b>•</b>	7	*	₽	
Traffic Volume (veh/h)	10	2	2	73	2	47	1	226	143	78	238	13
Future Volume (veh/h)	10	2	2	73	2	47	1	226	143	78	238	13
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	2	2	81	2	52	1	251	159	87	264	14
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	216	39	39	297	10	256	297	312	528	297	293	16
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	1293	235	235	1781	59	1535	1781	1870	1585	1781	1760	93
Grp Volume(v), veh/h	15	0	0	81	0	54	1	251	159	87	0	278
Grp Sat Flow(s),veh/h/ln	1763	0	0	1781	0	1594	1781	1870	1585	1781	0	1854
Q Serve(g_s), s	0.6	0.0	0.0	3.6	0.0	2.5	0.0	11.6	6.7	3.9	0.0	13.2
Cycle Q Clear(g_c), s	0.6	0.0	0.0	3.6	0.0	2.5	0.0	11.6	6.7	3.9	0.0	13.2
Prop In Lane	0.73		0.13	1.00		0.96	1.00	0.10	1.00	1.00		0.05
Lane Grp Cap(c), veh/h	294	0	0	297	0	266	297	312	528	297	0	309
V/C Ratio(X)	0.05	0.00	0.00	0.27	0.00	0.20	0.00	0.81	0.30	0.29	0.00	0.90
Avail Cap(c_a), veh/h	294	0	0	297	0	266	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.4	0.0	0.0	32.7	0.0	31.1	31.3	36.1	22.2	32.9	0.0	36.7
Incr Delay (d2), s/veh	0.3	0.0	0.0	2.3	0.0	1.7	0.0	19.5	1.5	2.5	0.0	31.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0 1.6	0.0	0.0	0.0	0.0	0.0 3.3	0.0	0.0	0.0 8.4
%ile BackOfQ(50%),veh/ln		0.0	0.0	1.0	0.0	1.1	0.0	6.8	ა.ა	1.8	0.0	0.4
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh	30.7	0.0	0.0	35.0	0.0	32.8	31.3	55.6	23.7	35.3	0.0	67.7
LnGrp LOS	30.7 C	0.0 A		35.0 C	0.0 A	32.0 C	31.3 C	55.6 E	23.7 C	აა.ა D	0.0 A	67.7 E
		15	A	<u> </u>					U	U	365	
Approach Vol, veh/h		30.7			135 34.1			411 43.2			60.0	
Approach Delay, s/veh Approach LOS		30.7 C			34.1 C			43.2 D			60.0 E	
					C							
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+l1), s		14.6		3.0		15.2		6.6				
Green Ext Time (p_c), s		0.6		0.0		0.5		0.3				
Intersection Summary												
HCM 6th Ctrl Delay			48.3									
HCM 6th LOS			D									

# 1: Markham St/Dirt Rd & Roosevelt St

Intersection								
Intersection Delay, s/veh	6.9		<u> </u>	<u> </u>	<u> </u>		<u> </u>	
Intersection LOS	Α							
Movement	EBL	EBT	WBT	WBR	SBL	SBR		
Lane Configurations		ર્ન	f)		¥			
Traffic Vol, veh/h	10	1	8	1	1	10		
Future Vol, veh/h	10	1	8	1	1	10		
Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67		
Heavy Vehicles, %	2	2	2	2	2	2		
Mvmt Flow	15	1	12	1	1	15		
Number of Lanes	0	1	1	0	1	0		
Approach	EB		WB		SB			
Opposing Approach	WB		EB					
Opposing Lanes	1		1		0			
Conflicting Approach Left	SB				WB			
Conflicting Lanes Left	1		0		1			
Conflicting Approach Right			SB		EB			
Conflicting Lanes Right	0		1		1			
HCM Control Delay	7.2		7		6.5			
HCM LOS	Α		Α		Α			
Lane		EBLn1	WBLn1	SBLn1				
Vol Left, %		91%	0%	9%				
Vol Thru, %		9%	89%	0%				
Vol Right %		0%	11%	91%				

Lane	EBLn1	WBLn1	SBLn1	
Vol Left, %	91%	0%	9%	
Vol Thru, %	9%	89%	0%	
Vol Right, %	0%	11%	91%	
Sign Control	Stop	Stop	Stop	
Traffic Vol by Lane	11	9	11	
LT Vol	10	0	1	
Through Vol	1	8	0	
RT Vol	0	1	10	
Lane Flow Rate	16	13	16	
Geometry Grp	1	1	1	
Degree of Util (X)	0.019	0.015	0.016	
Departure Headway (Hd)	4.156	3.909	3.459	
Convergence, Y/N	Yes	Yes	Yes	
Сар	866	920	1037	
Service Time	2.16	1.915	1.473	
HCM Lane V/C Ratio	0.018	0.014	0.015	
HCM Control Delay	7.2	7	6.5	
HCM Lane LOS	Α	Α	Α	
HCM 95th-tile Q	0.1	0	0	

Intersection						
Int Delay, s/veh	2.4					
		===	14/=-	14/5-		
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			4	W	
Traffic Vol, veh/h	9	0	4	12	0	5
Future Vol, veh/h	9	0	4	12	0	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	_
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	10	0	4	13	0	5
WWIIICTIOW	10	U		10	U	U
Major/Minor Ma	ajor1	N	Major2	I	Minor1	
Conflicting Flow All	0	0	10	0	31	10
Stage 1	-	_	-	-	10	_
Stage 2	-	-	-	-	21	-
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	_		1610	_	983	1071
Stage 1	_		1010		1013	1071
Stage 2		_		_	1013	
	-	-	-	-	1002	-
Platoon blocked, %	-	-	4040	-	000	4074
Mov Cap-1 Maneuver	-	-	1610	-	980	1071
Mov Cap-2 Maneuver	-	-	-	-	980	-
Stage 1	-	-	-	-	1013	-
Stage 2	-	-	-	-	999	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.8		8.4	
HCM LOS					Α	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1071	-		1610	-
HCM Lane V/C Ratio		0.005	_		0.003	<u>-</u>
HCM Control Delay (s)		8.4	_	_	7.2	0
HCM Lane LOS		Α	_		7.2 A	A
HCM 95th %tile Q(veh)		0		-	0	- -
How som while Q(ven)		U	-	-	U	

Intersection						
Int Delay, s/veh	2.6					
		===	14/5:	14/5-		
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			- 4	W	
Traffic Vol, veh/h	13	1	4	15	1	9
Future Vol, veh/h	13	1	4	15	1	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	ŧ 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	19	1	6	21	1	13
IVIVIIIL I IOW	13	1	U	۷1		10
Major/Minor Ma	ajor1	N	Major2	1	Minor1	
Conflicting Flow All	0	0	20	0	53	20
Stage 1	-	-	-	_	20	-
Stage 2	-	-	_	-	33	_
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		955	1058
•	-	-	1590	-	1003	1000
Stage 1	-	-	-	-		-
Stage 2	-	-	-	-	989	-
Platoon blocked, %	-	-	4500	-	054	1050
Mov Cap-1 Maneuver	-	-	1596	-	951	1058
Mov Cap-2 Maneuver	-	-	-	-	951	-
Stage 1	-	-	-	-	1003	-
Stage 2	-	-	-	-	985	-
Annroach	ED		WD		ND	
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.5		8.5	
HCM LOS					Α	
Minor Lane/Major Mvmt	N	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	<u> </u>	1046	-		1596	-
HCM Lane V/C Ratio		0.014	-		0.004	-
		8.5			7.3	0
HCM Long LOS			-	-		
HCM Lane LOS		A	-	-	A	Α
HCM 95th %tile Q(veh)		0	-	-	0	-

	<b>→</b>	•	←	4	<b>†</b>	~	-	<b>↓</b>	
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	
Lane Group Flow (vph)	28	171	73	2	241	122	49	216	
v/c Ratio	0.09	0.58	0.23	0.01	0.78	0.17	0.17	0.70	
Control Delay	29.4	43.4	13.8	31.5	54.6	3.9	33.9	48.3	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	29.4	43.4	13.8	31.5	54.6	3.9	33.9	48.3	
Queue Length 50th (ft)	12	91	6	1	133	0	24	116	
Queue Length 95th (ft)	35	157	44	7	#248	31	56	#211	
Internal Link Dist (ft)	1290		1265		2194			1552	
Turn Bay Length (ft)		250		150			195		
Base Capacity (vph)	299	295	322	295	310	730	295	310	
Starvation Cap Reductn	0	0	0	0	0	0	0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0	
Reduced v/c Ratio	0.09	0.58	0.23	0.01	0.78	0.17	0.17	0.70	
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	ၨ	<b>→</b>	•	•	<b>←</b>	•	•	<b>†</b>	<i>&gt;</i>	<b>&gt;</b>	ļ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		ň	f)		Ţ	<b>†</b>	7	7	f)	
Traffic Volume (veh/h)	15	8	4	164	12	58	2	231	117	47	199	9
Future Volume (veh/h)	15	8	4	164	12	58	2	231	117	47	199	9
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	16	8	4	171	12	60	2	241	122	49	207	9
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	169	84	42	297	45	226	297	312	528	297	297	13
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	1014	507	253	1781	271	1355	1781	1870	1585	1781	1779	77
Grp Volume(v), veh/h	28	0	0	171	0	72	2	241	122	49	0	216
Grp Sat Flow(s),veh/h/ln	1774	0	0	1781	0	1626	1781	1870	1585	1781	0	1856
Q Serve(g_s), s	1.2	0.0	0.0	8.0	0.0	3.4	0.1	11.1	5.0	2.1	0.0	9.9
Cycle Q Clear(g_c), s	1.2	0.0	0.0	8.0	0.0	3.4	0.1	11.1	5.0	2.1	0.0	9.9
Prop In Lane	0.57		0.14	1.00		0.83	1.00		1.00	1.00		0.04
Lane Grp Cap(c), veh/h	296	0	0	297	0	271	297	312	528	297	0	309
V/C Ratio(X)	0.09	0.00	0.00	0.58	0.00	0.27	0.01	0.77	0.23	0.17	0.00	0.70
Avail Cap(c_a), veh/h	296	0	0	297	0	271	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.8	0.0	0.0	34.6	0.0	31.6	31.3	35.9	21.7	32.1	0.0	35.3
Incr Delay (d2), s/veh	0.6	0.0	0.0	7.9	0.0	2.4	0.0	16.9	1.0	1.2	0.0	12.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	0.0	3.9	0.0	1.4	0.0	6.3	2.5	1.0	0.0	5.3
Unsig. Movement Delay, s/veh		0.0	0.0	40.5	0.0	040	04.0	<b>50.0</b>	00.7	00.0	0.0	47.0
LnGrp Delay(d),s/veh	31.5	0.0	0.0	42.5	0.0	34.0	31.3	52.8	22.7	33.3	0.0	47.6
LnGrp LOS	С	A	Α	D	Α	С	С	D	С	С	A	D
Approach Vol, veh/h		28			243			365			265	
Approach Delay, s/veh		31.5			40.0			42.6			45.0	
Approach LOS		С			D			D			D	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+I1), s		14.1		3.2		11.9		11.0				
Green Ext Time (p_c), s		0.6		0.0		0.6		0.5				
Intersection Summary												
HCM 6th Ctrl Delay			42.2									
HCM 6th LOS			D									

## 1: Markham St/Dirt Rd & Roosevelt St

Intersection						
Intersection Delay, s/veh	7					
Intersection LOS	A					
IIILEISECLIOII LOS	А					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		ર્ન	eî		, A	
Traffic Vol, veh/h	9	4	1	1	4	6
Future Vol, veh/h	9	4	1	1	4	6
Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	13	6	1	1	6	9
Number of Lanes	0	1	1	0	1	0
Approach	EB		WB		SB	
Opposing Approach	WB		EB			
Opposing Lanes	1		1		0	
Conflicting Approach Left	SB				WB	
Conflicting Lanes Left	1		0		1	
Conflicting Approach Right			SB		EB	
Conflicting Lanes Right	0		1		1	
HCM Control Delay	7.2		6.7		6.8	
HCM LOS	Α.Δ		A		A	
Lane						
		FBI n1	WBI n1	SBI n1		
		EBLn1	WBLn1	SBLn1		
Vol Left, %		69%	0%	40%		
Vol Left, % Vol Thru, %		69% 31%	0% 50%	40% 0%		
Vol Left, % Vol Thru, % Vol Right, %		69% 31% 0%	0% 50% 50%	40% 0% 60%		
Vol Left, % Vol Thru, % Vol Right, % Sign Control		69% 31% 0% Stop	0% 50% 50% Stop	40% 0% 60% Stop		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane		69% 31% 0% Stop 13	0% 50% 50% Stop 2	40% 0% 60% Stop 10		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol		69% 31% 0% Stop 13	0% 50% 50% Stop 2	40% 0% 60% Stop 10		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol		69% 31% 0% Stop 13 9	0% 50% 50% Stop 2 0	40% 0% 60% Stop 10 4		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol		69% 31% 0% Stop 13 9 4	0% 50% 50% Stop 2 0 1	40% 0% 60% Stop 10 4 0		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate		69% 31% 0% Stop 13 9 4 0	0% 50% 50% Stop 2 0 1 1	40% 0% 60% Stop 10 4 0 6		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp		69% 31% 0% Stop 13 9 4 0 19	0% 50% 50% Stop 2 0 1 1 3	40% 0% 60% Stop 10 4 0 6		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X)		69% 31% 0% Stop 13 9 4 0 19	0% 50% 50% Stop 2 0 1 1 3 1 0.003	40% 0% 60% Stop 10 4 0 6 15 1		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd)		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101	0% 50% 50% Stop 2 0 1 1 3 1 0.003	40% 0% 60% Stop 10 4 0 6 15 1 0.015		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101 Yes	0% 50% 50% Stop 2 0 1 1 3 1 0.003 3.674 Yes	40% 0% 60% Stop 10 4 0 6 15 1 0.015 3.693 Yes		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101 Yes 877	0% 50% 50% Stop 2 0 1 1 3 1 0.003 3.674 Yes 978	40% 0% 60% Stop 10 4 0 6 15 1 0.015 3.693 Yes 972		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101 Yes 877 2.105	0% 50% 50% Stop 2 0 1 1 3 1 0.003 3.674 Yes 978 1.682	40% 0% 60% Stop 10 4 0 6 15 1 0.015 3.693 Yes 972 1.703		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time HCM Lane V/C Ratio		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101 Yes 877 2.105 0.022	0% 50% 50% Stop 2 0 1 1 3 1 0.003 3.674 Yes 978 1.682 0.003	40% 0% 60% Stop 10 4 0 6 15 1 0.015 3.693 Yes 972 1.703 0.015		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time		69% 31% 0% Stop 13 9 4 0 19 1 0.022 4.101 Yes 877 2.105	0% 50% 50% Stop 2 0 1 1 3 1 0.003 3.674 Yes 978 1.682	40% 0% 60% Stop 10 4 0 6 15 1 0.015 3.693 Yes 972 1.703		

0.1

0

HCM 95th-tile Q

Intersection						
Int Delay, s/veh	2.3					
		EDD	MA	WOT	ND	NDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	Þ			र्न	¥	
Traffic Vol, veh/h	10	1	4	5	0	3
Future Vol, veh/h	10	1	4	5	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	<b>#</b> 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	64	64	64	64
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	2	6	8	0	5
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	18	0	37	17
Stage 1	-	-	-	-	17	-
Stage 2	-	-	-	-	20	-
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	-	_	1599	_	975	1062
Stage 1	-	-	-	_	1006	-
Stage 2	_	-	_	_	1003	_
Platoon blocked, %	_	_		_	1000	
Mov Cap-1 Maneuver	_		1599	_	971	1062
Mov Cap-2 Maneuver	_	_	1099	_	971	1002
•		-	_		1006	-
Stage 1	-	-		-		
Stage 2	-	-	-	-	999	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.2		8.4	
HCM LOS			V. <u></u>		А	
					, ,	
		.D			14/	14/5-
Minor Lane/Major Mvmt	<u> </u>	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1062	-	-	1599	-
HCM Lane V/C Ratio		0.004	-	-	0.004	-
HCM Control Delay (s)		8.4	-	-	7.3	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0	-	-	0	-
,						

Intersection						
Int Delay, s/veh	3.2					
		===	14.5	14/5-		
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			- 4	W	
Traffic Vol, veh/h	10	0	7	7	0	5
Future Vol, veh/h	10	0	7	7	0	5
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	14	0	10	10	0	7
		•			*	
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	14	0	44	14
Stage 1	-	-	-	-	14	-
Stage 2	-	-	-	-	30	-
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	-	-	1604	-	967	1066
Stage 1	-	-	-	_	1009	-
Stage 2	_	_	_	_	993	_
Platoon blocked, %	_	_		_		
Mov Cap-1 Maneuver	_	_	1604	_	961	1066
Mov Cap-2 Maneuver	_	_	-	_	961	-
Stage 1				_	1009	_
Stage 2	-	-	_	-	987	-
Slaye 2	-	-	-	-	301	-
Approach	EB		WB		NB	
			3.6		8.4	
HCM Control Delay, s	0					
HCM Control Delay, s HCM LOS	0		0.0		Α	
HCM Control Delay, s HCM LOS	0		0.0		A	
HCM LOS		JDI = 4		<b>EDD</b>		WIDT
HCM LOS  Minor Lane/Major Mvmt		NBLn1	EBT	EBR	WBL	WBT
Minor Lane/Major Mvmt Capacity (veh/h)		1066	EBT -	-	WBL 1604	-
Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio		1066 0.007		-	WBL 1604 0.006	-
Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s)		1066 0.007 8.4	EBT -	-	WBL 1604 0.006 7.3	- - 0
Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio		1066 0.007	<u>EBT</u> - -	-	WBL 1604 0.006	-

	<b>→</b>	•	<b>←</b>	4	<b>†</b>	/	<b>&gt;</b>	ļ
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	15	82	54	1	256	167	98	291
v/c Ratio	0.05	0.28	0.17	0.00	0.83	0.22	0.33	0.94
Control Delay	29.4	35.7	11.8	31.0	59.4	3.6	36.7	76.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.4	35.7	11.8	31.0	59.4	3.6	36.7	76.5
Queue Length 50th (ft)	6	41	1	1	142	0	50	164
Queue Length 95th (ft)	24	83	32	5	#269	36	97	#320
Internal Link Dist (ft)	1290		1265		2194			1552
Turn Bay Length (ft)		250		150			195	
Base Capacity (vph)	295	295	309	295	310	757	295	310
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.28	0.17	0.00	0.83	0.22	0.33	0.94
Intersection Summary								

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	۶	<b>→</b>	•	•	<b>←</b>	•	1	<b>†</b>	<b>/</b>	<b>/</b>	Ţ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		ሻ	₽		ሻ	<b>†</b>	7	ሻ	₽	
Traffic Volume (veh/h)	10	2	2	74	2	47	1	230	150	88	249	13
Future Volume (veh/h)	10	2	2	74	2	47	1	230	150	88	249	13
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	2	2	82	2	52	1	256	167	98	277	14
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	216	39	39	297	10	256	297	312	528	297	294	15
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	1293	235	235	1781	59	1535	1781	1870	1585	1781	1765	89
Grp Volume(v), veh/h	15	0	0	82	0	54	1	256	167	98	0	291
Grp Sat Flow(s),veh/h/ln	1763	0	0	1781	0	1594	1781	1870	1585	1781	0	1854
Q Serve(g_s), s	0.6	0.0	0.0	3.6	0.0	2.5	0.0	11.9	7.1	4.4	0.0	14.0
Cycle Q Clear(g_c), s	0.6	0.0	0.0	3.6	0.0	2.5	0.0	11.9	7.1	4.4	0.0	14.0
Prop In Lane	0.73		0.13	1.00		0.96	1.00		1.00	1.00		0.05
Lane Grp Cap(c), veh/h	294	0	0	297	0	266	297	312	528	297	0	309
V/C Ratio(X)	0.05	0.00	0.00	0.28	0.00	0.20	0.00	0.82	0.32	0.33	0.00	0.94
Avail Cap(c_a), veh/h	294	0	0	297	0	266	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.4	0.0	0.0	32.8	0.0	31.1	31.3	36.2	22.4	33.1	0.0	37.0
Incr Delay (d2), s/veh	0.3	0.0	0.0	2.3	0.0	1.7	0.0	21.0	1.6	3.0	0.0	38.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	0.0	1.7	0.0	1.1	0.0	7.0	3.5	2.1	0.0	9.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	30.7	0.0	0.0	35.1	0.0	32.8	31.3	57.2	23.9	36.0	0.0	75.2
LnGrp LOS	<u> </u>	A	A	D	A	С	С	E	С	D	A	<u> </u>
Approach Vol, veh/h		15			136			424			389	
Approach Delay, s/veh		30.7			34.2			44.1			65.4	
Approach LOS		С			С			D			E	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+I1), s		14.9		3.0		16.0		6.6				
Green Ext Time (p_c), s		0.6		0.0		0.4		0.3				
Intersection Summary												
HCM 6th Ctrl Delay			51.0									
HCM 6th LOS			D									

Intersection						
Int Delay, s/veh	0.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		र्स	<b>∱</b> }		N/	
Traffic Vol, veh/h	10	113	519	5	6	11
Future Vol, veh/h	10	113	519	5	6	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	250	0	-
Veh in Median Storage	, # -	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	10	113	519	5	6	11
WWW.CT IOW	10	110	010	U		• •
Major/Minor I	Major1	N	//ajor2		Minor2	
Conflicting Flow All	524	0	-	0	655	262
Stage 1	-	-	-	-	522	-
Stage 2	-	-	-	-	133	-
Critical Hdwy	4.13	-	-	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	_	5.43	-
Follow-up Hdwy	2.219	_	_	-	3.519	3.319
Pot Cap-1 Maneuver	1041	-	-	_	415	737
Stage 1	-	_	_	_	561	-
Stage 2	_	_	_	_	893	_
Platoon blocked, %		_	_	_	000	_
Mov Cap-1 Maneuver	1041	_	_	_	411	737
Mov Cap-1 Maneuver		_	-		476	131
	-	-	-	-		
Stage 1	-	-	-	-	555	-
Stage 2	-	-	-	-	893	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.7		0		11	
HCM LOS					В	
					_	
				MOT	14/55	201 4
Minor Lane/Major Mvm	it	EBL	EBT	WBT	WBR:	
O '( /   /  \		1041	-	-	-	617
Capacity (veh/h)						0.00
HCM Lane V/C Ratio		0.01	-	-	-	0.028
HCM Lane V/C Ratio HCM Control Delay (s)		8.5	0	-	-	11
HCM Lane V/C Ratio						

Intersection						
Int Delay, s/veh	0.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽	וטו	TTDL	<u>₩</u>	¥	HOIL
Traffic Vol, veh/h	149	0	13	521	0	23
Future Vol, veh/h	149	0	13	521	0	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	_	-	_	-	0	-
Veh in Median Storage	, # 0	_	_	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	100	100	100	100	100	100
	2	2	2	2	2	2
Heavy Vehicles, % Mvmt Flow	149		13	521		23
IVIVITIT FIOW	149	0	13	521	0	23
Major/Minor I	Major1	N	Major2	N	Minor1	
Conflicting Flow All	0	0	149	0	696	149
Stage 1	-	-	-	-	149	-
Stage 2	-	-	-	-	547	-
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	
Pot Cap-1 Maneuver	_	_	1432	_	408	898
Stage 1	<u>-</u>	_	1402	<u>-</u>	879	-
Stage 2	-	-	-	-	580	-
Platoon blocked, %	<u>-</u>	-	-		300	-
		-	1432	-	403	898
Mov Cap-1 Maneuver	-	-		-		
Mov Cap-2 Maneuver	-	-	-	-	482	-
Stage 1	-	-	-	-	879	-
Stage 2	-	-	-	-	572	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.2		9.1	
HCM LOS			0.2		A	
					,,	
		IDI (			) A / D /	14/0=
Minor Lane/Major Mvm	it 1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		898	-	-	1432	-
HCM Lane V/C Ratio		0.026	-		0.009	-
HCM Control Delay (s)		9.1	-	-	7.5	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	-	-	0	-

Intersection						
Int Delay, s/veh	0.4					
		EDD	MDI	WOT	ND	NDD
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	<b>₽</b>			4	Y	4.0
Traffic Vol, veh/h	127	41	4	475	5	16
Future Vol, veh/h	127	41	4	475	5	16
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	127	41	4	475	5	16
		• •	•		•	
Major/Minor Major/Minor	ajor1	N	Major2		Minor1	
Conflicting Flow All	0	0	168	0	631	148
Stage 1	-	-	-	-	148	-
Stage 2	-	-	-	-	483	-
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	_	_	1410	_	445	899
Stage 1	_	_	-	_	880	-
Stage 2	_	_	_	_	620	_
Platoon blocked, %	_	_		_	020	
Mov Cap-1 Maneuver	_	-	1410	_	443	899
		-			443	
Mov Cap-2 Maneuver	-	-	-	-		-
Stage 1	-	-	-	-	880	-
Stage 2	-	-	-	-	618	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.1		10.1	
HCM LOS	U		0.1		В	
TIOW LOO					U	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		722	-	-	1410	-
HCM Lane V/C Ratio		0.029	-	-	0.003	-
HCM Control Delay (s)		10.1	-	-	7.6	0
HCM Lane LOS		В	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	-	_	0	-
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						

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Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	60	67	85	426	42	232	21	6	232
v/c Ratio	0.57	0.08	0.55	0.88	0.51	0.49	0.04	0.12	0.53
Control Delay	56.7	19.2	47.4	49.0	58.3	28.3	0.1	40.8	28.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.7	19.2	47.4	49.0	58.3	28.3	0.1	40.8	28.8
Queue Length 50th (ft)	28	10	39	188	20	92	0	3	88
Queue Length 95th (ft)	#79	25	#92	#350	#62	158	0	15	156
Internal Link Dist (ft)		1290		1265		697			1552
Turn Bay Length (ft)	200		250		150			195	
Base Capacity (vph)	106	806	155	482	82	469	595	49	434
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.57	0.08	0.55	0.88	0.51	0.49	0.04	0.12	0.53
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	۶	<b>→</b>	•	•	<b>—</b>	•	1	<b>†</b>	~	<b>/</b>	<b>+</b>	✓
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	ሻ	<b>∱</b> ∱		ሻ	f)		ሻ	<b>↑</b>	7	7	₽	
Traffic Volume (veh/h)	60	53	14	85	393	33	42	232	21	6	188	44
Future Volume (veh/h)	60	53	14	85	393	33	42	232	21	6	188	44
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	60	53	14	85	393	33	42	232	21	6	188	44
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	107	651	165	157	442	37	83	471	539	50	342	80
Arrive On Green	0.06	0.23	0.27	0.09	0.26	0.30	0.05	0.25	0.25	0.03	0.23	0.27
Sat Flow, veh/h	1781	2806	713	1781	1702	143	1781	1870	1585	1781	1466	343
Grp Volume(v), veh/h	60	33	34	85	0	426	42	232	21	6	0	232
Grp Sat Flow(s),veh/h/ln	1781	1777	1742	1781	0	1845	1781	1870	1585	1781	0	1809
Q Serve(g_s), s	2.5	1.1	1.1	3.4	0.0	16.7	1.7	7.9	0.4	0.2	0.0	8.4
Cycle Q Clear(g_c), s	2.5	1.1	1.1	3.4	0.0	16.7	1.7	7.9	0.4	0.2	0.0	8.4
Prop In Lane	1.00		0.41	1.00		0.08	1.00		1.00	1.00		0.19
Lane Grp Cap(c), veh/h	107	412	404	157	0	480	83	471	539	50	0	422
V/C Ratio(X)	0.56	0.08	0.08	0.54	0.00	0.89	0.51	0.49	0.04	0.12	0.00	0.55
Avail Cap(c_a), veh/h	107	412	404	157	0	480	83	471	539	50	0	422
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
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	34.3	22.5	22.1	32.8	0.0	26.6	34.9	24.0	6.3	35.5	0.0	25.0
Incr Delay (d2), s/veh	19.6	0.4	0.4	12.8	0.0	21.0	20.3	3.6	0.1	4.9	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	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.5	0.5	1.9	0.0	9.3	1.2	3.7	0.2	0.2	0.0	3.9
Unsig. Movement Delay, s/veh		00.0	00.5	45.0	0.0	47.0	55.0	07.0	0.5	40.4	0.0	00.4
LnGrp Delay(d),s/veh	53.9	22.9	22.5	45.6	0.0	47.6	55.2	27.6	6.5	40.4	0.0	30.1
LnGrp LOS	D	C	С	D	A	D	E	C	A	D	A	<u>C</u>
Approach Vol, veh/h		127			511			295			238	
Approach Delay, s/veh		37.4			47.3			30.0			30.4	
Approach LOS		D			D			С			С	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.6	26.4	14.1	24.9	11.0	25.0	12.0	27.0				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.1	21.9	9.6	20.4	6.5	20.5	7.5	22.5				
Max Q Clear Time (g_c+I1), s	3.2	10.9	6.4	4.1	4.7	10.4	5.5	18.7				
Green Ext Time (p_c), s	0.0	0.9	0.0	0.2	0.0	8.0	0.0	8.0				
Intersection Summary												
HCM 6th Ctrl Delay			38.4									
HCM 6th LOS			D									

Intersection						
Int Delay, s/veh	0.3					
			14/5-	14/5-	07.	055
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		4	<b>↑</b> ⊅		Y	
Traffic Vol, veh/h	13	548	206	7	4	6
Future Vol, veh/h	13	548	206	7	4	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	250	0	-
Veh in Median Storage	e,# -	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	13	548	206	7	4	6
N 4 = : = :-/N 4::	NA -: - 4		A-1- C		A: C	
	Major1		Major2		Minor2	
Conflicting Flow All	213	0	-	0	784	107
Stage 1	-	-	-	-	210	-
Stage 2	-	-	-	-	574	-
Critical Hdwy	4.13	-	-	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.219	-	-	-	3.519	3.319
Pot Cap-1 Maneuver	1356	-	-	-	346	927
Stage 1	-	-	-	-	805	-
Stage 2	-	_	-	_	562	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1356	_	_	_	341	927
Mov Cap-2 Maneuver	-	_	_	_	447	-
Stage 1	_	_	_	_	794	_
Stage 2	_	_	_	_	562	_
Olaye Z		_			JUZ	
Approach	EB		WB		SB	
HCM Control Delay, s	0.2		0		10.6	
HCM LOS					В	
Min I /M - i M	-4	EDI	EDT	WDT	WDD	2DL 4
Minor Lane/Major Mvn	nt	EBL	EBT	WBT	WBR :	
Capacity (veh/h)		1356	-	-	-	648
HCM Lane V/C Ratio		0.01	-	-		0.015
HCM Control Delay (s	)	7.7	0	-	-	10.6
HCM Lane LOS		Α	Α	-	-	В
HCM 95th %tile Q(veh	1)	0	-	-	-	0

Intersection						
Int Delay, s/veh	0.4					
		EDD	\\/DI	WDT	NIDI	NDD
Movement Configurations	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	<b>F</b> 70	17	42	<del>વ</del>	<b>Y</b>	4.5
Traffic Vol, veh/h	579	17	13	213	0	15
Future Vol, veh/h	579	17	13	213	0	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	579	17	13	213	0	15
Major/Minor N	/lajor1		Major2		Minor1	
Conflicting Flow All	0	0	596	0	827	588
Stage 1	-	-	-	-	588	-
Stage 2	_	_	_	_	239	_
Critical Hdwy			4.12	_	6.42	6.22
	_	-	4.12	_	5.42	0.22
Critical Hdwy Stg 1		-	_		5.42	-
Critical Hdwy Stg 2	-	-	2 240	-		
Follow-up Hdwy	-		2.218	-		
Pot Cap-1 Maneuver	-	-	980	-	341	509
Stage 1	-	-	-	-	555	-
Stage 2	-	-	-	-	801	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	980	-	336	509
Mov Cap-2 Maneuver	-	-	-	-	441	-
Stage 1	-	-	-	-	555	-
Stage 2	-	-	-	-	789	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.5		12.3	
HCM LOS	U		0.5		12.3 B	
HCWI LOS					Б	
Minor Lane/Major Mvmt	t 1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		509	-	-	980	-
HCM Lane V/C Ratio		0.029	-	-	0.013	-
HCM Control Delay (s)		12.3	-	-	8.7	0
HCM Lane LOS		В	-	-	Α	A
HCM 95th %tile Q(veh)		0.1	_	_	0	_
2000						

Int Delay, s/veh	Intersection						
Movement		0.4					
Lane Configurations							
Traffic Vol, veh/h         544         0         7         214         0         19           Future Vol, veh/h         544         0         7         214         0         19           Conflicting Peds, #/hr         0         0         0         0         0         0           Sign Control         Free         Free         Free         Free         Free         Stop         Stop           RT Channelized         -         None         -         0         0         -         -         0         0         0         0         0         0         0         0	Movement		EBR	WBL	WBT		NBR
Future Vol, veh/h Conflicting Peds, #/hr O Conflicting Peds Conflicting Peds Conflicting Flow All Conflicting Flow All Conflicting Flow All Conflicting Flow All Conflicting Hdwy Con	Lane Configurations	₽			सी	W	
Conflicting Peds, #/hr   O   O   O   O   O   O   O   Sign Control   Free   Free   Free   Free   Free   Free   Stop   Stop   RT Channelized   - None   - None   - None   - None   Storage Length     O   O   Crade, %   O     O   O   O	Traffic Vol, veh/h	544	0	7	214	0	19
Sign Control         Free RT	Future Vol, veh/h	544	0	7	214	0	19
Sign Control         Free RT	· · · · · · · · · · · · · · · · · · ·		0	0		0	
RT Channelized         - None         - None         - None         - None         Storage Length         0         10         10         10         10							
Storage Length							
Veh in Median Storage, #         0         -         -         0         0         -           Grade, %         0         -         -         0         0         -           Peak Hour Factor         100         100         100         100         100         100           Heavy Vehicles, %         2							
Grade, %         0         -         -         0         0         -           Peak Hour Factor         100							
Peak Hour Factor         100							
Heavy Vehicles, %   2   2   2   2   2   2   2   2   2	-						
Mymt Flow         544         0         7         214         0         19           Major/Minor         Major1         Major2         Minor1           Conflicting Flow All         0         0         544         0         772         544           Stage 1         -         -         -         544         -           Stage 2         -         -         -         544         -           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         -         1025         -         368         539           Stage 1         -         -         -         -         -           Mov Cap-1 Maneuver         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Major/Minor         Major1         Major2         Minor1           Conflicting Flow All         0         0         544         0         772         544           Stage 1         -         -         -         544         -           Stage 2         -         -         -         544         -           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         -         1025         -         368         539           Stage 1         -         -         -         -         -         -           Platoon blocked, %         - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Conflicting Flow All         0         0         544         0         772         544           Stage 1         -         -         -         544         -           Stage 2         -         -         -         544         -           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         -         1025         -         368         539           Stage 1         -         -         -         582         -           Stage 2         -         -         -         365         539           Mov Cap-2 Maneuver         -         -         -         365         -           Stage 1         -         -         -         582         -           Stage 2         -         -         -         -         804         -           Approach <td>IVIVIIIL FIOW</td> <td>544</td> <td>U</td> <td>1</td> <td>214</td> <td>U</td> <td>19</td>	IVIVIIIL FIOW	544	U	1	214	U	19
Conflicting Flow All         0         0         544         0         772         544           Stage 1         -         -         -         544         -           Stage 2         -         -         -         544         -           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         -         1025         -         368         539           Stage 1         -         -         -         582         -           Stage 2         -         -         -         365         539           Mov Cap-2 Maneuver         -         -         -         365         -           Stage 1         -         -         -         582         -           Stage 2         -         -         -         -         804         -           Approach <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Conflicting Flow All         0         0         544         0         772         544           Stage 1         -         -         -         544         -           Stage 2         -         -         -         544         -           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         -         1025         -         368         539           Stage 1         -         -         -         582         -           Stage 2         -         -         -         365         539           Mov Cap-2 Maneuver         -         -         -         365         -           Stage 1         -         -         -         582         -           Stage 2         -         -         -         -         804         -           Approach <td>Major/Minor Ma</td> <td>ajor1</td> <td>N</td> <td>Major2</td> <td></td> <td>Minor1</td> <td></td>	Major/Minor Ma	ajor1	N	Major2		Minor1	
Stage 1       -       -       544       -         Stage 2       -       -       -       228       -         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       -       1025       -       368       539         Stage 1       -       -       -       -       582       -         Stage 2       -       -       -       -       365       539         Mov Cap-1 Maneuver       -       -       1025       -       365       539         Mov Cap-2 Maneuver       -       -       -       582       -         Stage 1       -       -       -       582       -         Stage 2       -       -       -       804       -         Approach       EB       WB       NB         HCM LOS       B       -       - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>544</td></t<>							544
Stage 2       -       -       -       228       -         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       -       1025       -       368       539         Stage 1       -       -       -       582       -         Stage 2       -       -       -       -       810       -         Platoon blocked, %       -       -       -       -       810       -         Mov Cap-1 Maneuver       -       -       1025       -       365       539         Mov Cap-2 Maneuver       -       -       -       582       -         Stage 1       -       -       -       582       -         Stage 2       -       -       -       804       -         Approach       EB       WB       NB         HCM LOS       B       -			-				
Critical Hdwy Stg 1 4.12 - 5.42 - 5.42 - Critical Hdwy Stg 2 5.42 - 5.42 - Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1025 - 368 539 Stage 1 582 - 810 - Flatoon blocked, % 582 - 810 - Flatoon blocked, % 365 539 Mov Cap-1 Maneuver - 1025 - 365 539 Mov Cap-2 Maneuver 1025 - 365 539 Mov Cap-2 Maneuver 365 - Stage 1 582 - 804 - Stage 2 804 - Flatoon blocked, % 582 - 582 - 582 - 582 - 582 804 - Flatoon blocked, % 582 - 582 - 582 - 582 804 - Flatoon blocked, % 582 - 582 - 582 804 - Flatoon blocked, %	•						
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 - 1025 - 368 539 Stage 1 582 - Stage 2 810 - Platoon blocked, % 810 - Mov Cap-1 Maneuver - 1025 - 365 539 Mov Cap-2 Maneuver 1025 - 365 539 Mov Cap-2 Maneuver 365 - Stage 1 582 - Stage 2 B04 -  Approach EB WB NB HCM Control Delay, s 0 0.3 11.9 HCM LOS B  Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 539 - 1025 - HCM Lane V/C Ratio 0.035 - 0.007 - HCM Control Delay (s) 11.9 - 8.5 0 HCM Lane LOS B - A A			-				
Critical Hdwy Stg 2 5.42 - Follow-up Hdwy - 2.218 - 3.518 3.318 Pot Cap-1 Maneuver - 1025 - 368 539     Stage 1 582 -     Stage 2 810 - Platoon blocked, % Mov Cap-1 Maneuver - 1025 - 365 539 Mov Cap-2 Maneuver - 1025 - 365 539 Mov Cap-2 Maneuver 582 -     Stage 1 582 -     Stage 2 804 -  Approach EB WB NB HCM Control Delay, s 0 0.3 11.9 HCM LOS B  Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT Capacity (veh/h) 539 - 1025 - HCM Lane V/C Ratio 0.035 - 0.007 - HCM Control Delay (s) 11.9 - 8.5 0 HCM Lane LOS B - A A	•		-		-		
Follow-up Hdwy - 2.218 - 3.518 3.318  Pot Cap-1 Maneuver - 1025 - 368 539  Stage 1 582 - 582 - 582 2  Stage 2 810 - 7  Platoon blocked, % 7  Mov Cap-1 Maneuver - 1025 - 365 539  Mov Cap-2 Maneuver - 1025 - 365 539  Mov Cap-2 Maneuver 582 - 582 2  Stage 1 582 2  Stage 2 804 - 7  Approach EB WB NB  HCM Control Delay, s 0 0.3 11.9  HCM LOS B  Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT  Capacity (veh/h) 539 - 1025		-	-		-		-
Pot Cap-1 Maneuver		-	-				-
Stage 1       -       -       -       582       -         Stage 2       -       -       -       810       -         Platoon blocked, %       -       -       -       -         Mov Cap-1 Maneuver       -       -       1025       -       365       539         Mov Cap-2 Maneuver       -       -       -       -       365       -       -         Stage 1       -       -       -       -       582       -         Stage 2       -       -       -       -       804       -         Approach       EB       WB       NB         HCM Control Delay, s       0       0.3       11.9         HCM LOS       B       -       1025       -         Minor Lane/Major Mvmt       NBLn1       EBT       EBR       WBL       WBT         Capacity (veh/h)       539       -       -       1025       -         HCM Lane V/C Ratio       0.035       -       -       0.007       -         HCM Lane LOS       B       -       -       A       A		-	-				
Stage 2       -       -       -       810       -         Platoon blocked, %       -       -       -       -       -         Mov Cap-1 Maneuver       -       -       1025       -       365       539         Mov Cap-2 Maneuver       -       -       -       -       365       -         Stage 1       -       -       -       582       -         Stage 2       -       -       -       804       -         Approach       EB       WB       NB         HCM Control Delay, s       0       0.3       11.9         HCM LOS       B     Minor Lane/Major Mvmt  NBLn1  EBT  EBR  WBL  WBT  Capacity (veh/h)  539  - 1025  - 1025  - 1025  - 1007  - HCM Lane V/C Ratio  0.035  - 0.007  - HCM Control Delay (s)  HCM Lane LOS  B  - A  A  A  A  A  A  A  A  A  A  A  A  A		-	-	1025	-		539
Platoon blocked, %         -         -         -           Mov Cap-1 Maneuver         -         -         1025         -         365         539           Mov Cap-2 Maneuver         -         -         -         -         365         -           Stage 1         -         -         -         -         582         -           Stage 2         -         -         -         -         804         -           Approach         EB         WB         NB         NB           HCM Control Delay, s         0         0.3         11.9         -         B           Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A		-	-	-	-		-
Mov Cap-1 Maneuver         -         -         1025         -         365         539           Mov Cap-2 Maneuver         -         -         -         -         365         -           Stage 1         -         -         -         -         582         -           Stage 2         -         -         -         -         804         -           Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9         -           HCM LOS         B         -         -         1025         -           Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Lane LOS         B         -         -         A         A	Stage 2	-	-	-	-	810	-
Mov Cap-2 Maneuver         -         -         -         365         -           Stage 1         -         -         -         582         -           Stage 2         -         -         -         804         -           Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9           HCM LOS         B         B    Minor Lane/Major Mvmt  NBLn1  EBT  EBR  WBL  WBT  Capacity (veh/h)  539  - 1025  - 1025  - 1007  - HCM Lane V/C Ratio  0.035  - 0.007  - HCM Control Delay (s)  11.9  - 8.5  0  HCM Lane LOS  B  - A  A	Platoon blocked, %	-	-		-		
Stage 1         -         -         -         582         -           Stage 2         -         -         -         804         -           Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9           HCM LOS         B         B    Minor Lane/Major Mvmt  NBLn1  EBT  EBR  WBL  WBT  Capacity (veh/h)  539  - 1025  - 1025  - HCM Lane V/C Ratio  0.035  - 0.007  - HCM Control Delay (s)  11.9  - 8.5  0  HCM Lane LOS  B  - A  A	Mov Cap-1 Maneuver	-	-	1025	-	365	539
Stage 1         -         -         -         582         -           Stage 2         -         -         -         804         -           Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9           HCM LOS         B         B    Minor Lane/Major Mvmt  NBLn1  EBT  EBR  WBL  WBT  Capacity (veh/h)  539  - 1025  - 1025  - HCM Lane V/C Ratio  0.035  - 0.007  - HCM Control Delay (s)  11.9  - 8.5  0  HCM Lane LOS  B  - A  A		-	-	-	-	365	-
Stage 2         -         -         -         804         -           Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9           HCM LOS         B             Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	•	-	_	-	_		_
Approach         EB         WB         NB           HCM Control Delay, s         0         0.3         11.9           HCM LOS         B           Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	•	_	_	_	_		_
HCM Control Delay, s   0   0.3   11.9     HCM LOS	Olago 2					001	
HCM Control Delay, s   0   0.3   11.9     HCM LOS							
Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	Approach	EB					
Minor Lane/Major Mvmt         NBLn1         EBT         EBR         WBL         WBT           Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	HCM Control Delay, s	0		0.3		11.9	
Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	HCM LOS					В	
Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A							
Capacity (veh/h)         539         -         -         1025         -           HCM Lane V/C Ratio         0.035         -         -         0.007         -           HCM Control Delay (s)         11.9         -         -         8.5         0           HCM Lane LOS         B         -         -         A         A	Min and an a /Mai an Manat		UDL 4	EDT	EDD	WDI	WDT
HCM Lane V/C Ratio       0.035       -       -       0.007       -         HCM Control Delay (s)       11.9       -       -       8.5       0         HCM Lane LOS       B       -       -       A       A		ľ			ERK		WBI
HCM Control Delay (s) 11.9 - 8.5 0 HCM Lane LOS B - A A				-	-		-
HCM Lane LOS B A A				-	-		
			11.9	-	-		
11014.05(1.0/.)				-	-		Α
HCM 95th %tile Q(veh) 0.1 0 -	HCM 95th %tile Q(veh)		0.1	-	-	0	-

	•	<b>→</b>	•	<b>←</b>	4	<b>†</b>	~	<b>\</b>	<b>↓</b>
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	65	414	26	164	53	265	52	5	183
v/c Ratio	0.96	0.49	0.46	0.38	0.98	0.60	0.07	0.09	0.41
Control Delay	137.1	23.2	58.7	24.0	158.3	28.5	0.2	34.2	23.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	137.1	23.2	58.7	24.0	158.3	28.5	0.2	34.2	23.2
Queue Length 50th (ft)	27	72	10	54	22	93	0	2	58
Queue Length 95th (ft)	#97	112	#43	104	#85	163	0	12	111
Internal Link Dist (ft)		1290		1265		697			1552
Turn Bay Length (ft)	200		250		150			195	
Base Capacity (vph)	68	838	57	429	54	444	719	54	443
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.96	0.49	0.46	0.38	0.98	0.60	0.07	0.09	0.41
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	•	<b>→</b>	•	•	<b>←</b>	4	1	<b>†</b>	<b>/</b>	<b>/</b>	<b>+</b>	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	<b>∱</b> ∱		7	₽		7	<b>•</b>	7	7	₽	
Traffic Volume (veh/h)	65	383	31	26	160	4	53	265	52	5	163	20
Future Volume (veh/h)	65	383	31	26	160	4	53	265	52	5	163	20
Initial Q (Qb), 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	4070	No	4070	4070	No	4070	4070	No	4070	4070	No	4070
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	65	383	31	26	160	4	53	265	52	5	163	20
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	69	789	64	58	419	10	55	446	429	55	390	48
Arrive On Green	0.04	0.24	0.28	0.03	0.23	0.28	0.03	0.24	0.24	0.03	0.24	0.28
Sat Flow, veh/h	1781	3331	268	1781	1817	45	1781	1870	1585	1781	1634	200
Grp Volume(v), veh/h	65	204	210	26	0	164	53	265	52	5	0	183
Grp Sat Flow(s), veh/h/ln	1781	1777	1822	1781	0	1862	1781	1870	1585	1781	0	1834
Q Serve(g_s), s	2.4	6.4	6.4	0.9	0.0	4.8	1.9	8.2	0.0	0.2	0.0	5.5
Cycle Q Clear(g_c), s	2.4	6.4	6.4	0.9	0.0	4.8	1.9	8.2	0.0	0.2	0.0	5.5
Prop In Lane	1.00	404	0.15	1.00	^	0.02	1.00	440	1.00	1.00	^	0.11
Lane Grp Cap(c), veh/h	69	421	432	58	0	430	55	446	429	55	0	437
V/C Ratio(X)	0.95	0.48	0.49	0.45	0.00	0.38	0.97	0.59	0.12	0.09	0.00	0.42
Avail Cap(c_a), veh/h	69	421	432	58	0	430	55	446	429	55	0	437
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	1.00	1.00
Upstream Filter(I)	1.00 31.2	21.4	21.2	30.9	0.00	21.1	1.00 31.5	1.00 22.0	17.9	1.00 30.6	0.00	1.00 20.8
Uniform Delay (d), s/veh Incr Delay (d2), s/veh	95.0	3.9	3.9	23.5	0.0	2.6	112.3	5.7	0.6	3.3	0.0	20.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	2.8	2.9	0.0	0.0	2.2	2.5	3.9	0.6	0.0	0.0	2.5
Unsig. Movement Delay, s/veh		2.0	2.3	0.7	0.0	۷.۷	2.5	3.3	0.0	0.1	0.0	2.5
LnGrp Delay(d),s/veh	126.2	25.3	25.1	54.4	0.0	23.6	143.8	27.7	18.4	33.9	0.0	23.7
LnGrp LOS	120.2 F	23.5 C	23.1 C	D	Α	23.0 C	F	C C	В	00.9 C	Α	23.7 C
Approach Vol, veh/h		479			190		<u> </u>	370			188	
Approach Delay, s/veh		38.9			27.8			43.0			24.0	
Approach LOS		50.9 D			C C			45.0 D			24.0 C	
											U	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.5	23.0	9.6	22.9	9.5	23.0	10.0	22.5				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	18.5	5.1	18.4	5.0	18.5	5.5	18.0				
Max Q Clear Time (g_c+l1), s	3.2	11.2	3.9	9.4	4.9	7.5	5.4	6.8				
Green Ext Time (p_c), s	0.0	0.9	0.0	1.4	0.0	0.6	0.0	0.5				
Intersection Summary												
HCM 6th Ctrl Delay			36.1									
HCM 6th LOS			D									

## 1: Markham St/Dirt Rd & Roosevelt St

Intersection						
Intersection Delay, s/veh	6.9					
Intersection LOS	A					
Mayamant	EDI	EDT	WDT	WDD	CDI	CDD
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	_ 4.4	ર્ન	<b>₹</b>	4	¥	44
Traffic Vol, veh/h	11	1	9	1	1	11
Future Vol, veh/h	11	1	9	1	1	11
Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	1	13	1	1	16
Number of Lanes	0	1	1	0	1	0
Approach	EB		WB		SB	
Opposing Approach	WB		EB			
Opposing Lanes	1		1		0	
Conflicting Approach Left	SB				WB	
Conflicting Lanes Left	1		0		1	
Conflicting Approach Right			SB		EB	
Conflicting Lanes Right	0		1		1	
HCM Control Delay	7.3		7		6.5	
HCM LOS	A		A		A	
	•					
Lana		ERI n1	W/RI n1	SRI n1		
Lane		EBLn1	WBLn1	SBLn1		
Vol Left, %		92%	0%	8%		
Vol Left, % Vol Thru, %		92% 8%	0% 90%	8% 0%		
Vol Left, % Vol Thru, % Vol Right, %		92% 8% 0%	0% 90% 10%	8% 0% 92%		
Vol Left, % Vol Thru, % Vol Right, % Sign Control		92% 8% 0% Stop	0% 90% 10% Stop	8% 0% 92% Stop		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane		92% 8% 0% Stop 12	0% 90% 10% Stop 10	8% 0% 92% Stop 12		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol		92% 8% 0% Stop 12	0% 90% 10% Stop 10	8% 0% 92% Stop 12		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol		92% 8% 0% Stop 12 11	0% 90% 10% Stop 10 0	8% 0% 92% Stop 12 1		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol		92% 8% 0% Stop 12 11 1	0% 90% 10% Stop 10 0 9	8% 0% 92% Stop 12 1 0		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate		92% 8% 0% Stop 12 11 1 0	0% 90% 10% Stop 10 0 9	8% 0% 92% Stop 12 1 0		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp		92% 8% 0% Stop 12 11 1 0 18	0% 90% 10% Stop 10 0 9 1 15	8% 0% 92% Stop 12 1 0 11 18		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X)		92% 8% 0% Stop 12 11 1 0 18	0% 90% 10% Stop 10 0 9 1 15 1	8% 0% 92% Stop 12 1 0 11 18 1 0.017		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd)		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919	8% 0% 92% Stop 12 1 0 11 18 1 0.017		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes 865	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes 917	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes 1037		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes 865 2.164	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes 917 1.925	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes 1037 1.472		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes 865	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes 917	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes 10.37 1.472 0.017		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time HCM Lane V/C Ratio HCM Control Delay		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes 865 2.164	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes 917 1.925 0.016 7	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes 1037 1.472 0.017 6.5		
Vol Left, % Vol Thru, % Vol Right, % Sign Control Traffic Vol by Lane LT Vol Through Vol RT Vol Lane Flow Rate Geometry Grp Degree of Util (X) Departure Headway (Hd) Convergence, Y/N Cap Service Time HCM Lane V/C Ratio		92% 8% 0% Stop 12 11 1 0 18 1 0.021 4.16 Yes 865 2.164 0.021	0% 90% 10% Stop 10 0 9 1 15 1 0.016 3.919 Yes 917 1.925 0.016	8% 0% 92% Stop 12 1 0 11 18 1 0.017 3.457 Yes 10.37 1.472 0.017		

Intersection						
Int Delay, s/veh	2.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>	LDIX	- TIDE	4	¥	HOIL
Traffic Vol, veh/h	10	0	4	13	0	6
Future Vol, veh/h	10	0	4	13	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	_	-	_	-	0	-
Veh in Median Storage,	# 0	_	_	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	0	4	14	0	6
WWWIICHIOW		U	7	IT	U	U
	/lajor1	<u> </u>	Major2		Minor1	
Conflicting Flow All	0	0	11	0	33	11
Stage 1	-	-	-	-	11	-
Stage 2	-	-	-	-	22	-
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	-	-	1608	-	980	1070
Stage 1	-	-	-	-	1012	-
Stage 2	-	_	_	_	1001	_
Platoon blocked, %						
	-	_		_	1001	
	-	-		-		
Mov Cap-1 Maneuver	-	-	1608	-	977	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver	- -	-	1608 -	- - -	977 977	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1	- - -	-	1608 - -	-	977 977 1012	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver	- -	-	1608 -	- - -	977 977	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1	- - -	-	1608 - - -	- - -	977 977 1012 998	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1	- - -	-	1608 - -	- - -	977 977 1012	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2	- - -	-	1608 - - -	- - -	977 977 1012 998	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach	- - - -	-	1608 - - - WB	- - -	977 977 1012 998	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s	- - - -	-	1608 - - - WB	- - -	977 977 1012 998 NB 8.4	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS	- - - - EB 0	-	1608 - - - - WB 1.7	-	977 977 1012 998 NB 8.4 A	1070
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS  Minor Lane/Major Mvmt	- - - - EB 0	- - - - NBLn1	1608 - - - - WB 1.7	- - - - -	977 977 1012 998 NB 8.4 A	1070 - - - - WBT
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS  Minor Lane/Major Mvmt Capacity (veh/h)	- - - - EB 0	- - - - - - - 1070	1608 - - - - WB 1.7	- - - - - -	977 977 1012 998 NB 8.4 A	1070 - - - - WBT
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS  Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio	- - - - EB 0	- - - - - - - - - 1070 0.006	1608 - - - - - WB 1.7	- - - - - EBR	977 977 1012 998 NB 8.4 A WBL 1608 0.003	1070 - - - - - WBT - -
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS  Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s)	- - - - EB 0	- - - - - 1070 0.006 8.4	1608 - - - WB 1.7	EBR -	977 977 1012 998 NB 8.4 A WBL 1608 0.003 7.2	1070 - - - - - WBT - - 0
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2  Approach HCM Control Delay, s HCM LOS  Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio	- - - - EB 0	- - - - - - - - - 1070 0.006	1608 - - - - - WB 1.7	- - - - - EBR	977 977 1012 998 NB 8.4 A WBL 1608 0.003	1070 - - - - - WBT - -

Intersection						
Int Delay, s/veh	2.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			र्स	¥	
Traffic Vol, veh/h	14	1	0	17	1	10
Future Vol, veh/h	14	1	0	17	1	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	20	1	0	24	1	14
			•			
	/lajor1		Major2		Minor1	
Conflicting Flow All	0	0	21	0	45	21
Stage 1	-	-	-	-	21	-
Stage 2	-	-	-	-	24	-
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	-		3.318
Pot Cap-1 Maneuver	-	-	1595	-	965	1056
Stage 1	_	_	-	_	1002	-
Stage 2	_	_	_	_	999	_
Platoon blocked, %	_	_		<u>-</u>	333	
Mov Cap-1 Maneuver	_	-	1595		965	1056
Mov Cap-1 Maneuver	-	-	1090	-	965	1030
	-	-	-	-	1002	
Stage 1	-	-	-	-		-
Stage 2	-	-	-	-	999	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0		8.5	
HCM LOS					Α	
					, \	
Minor Lane/Major Mvm	t I	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1047	-	-	1595	-
HCM Lane V/C Ratio		0.015	-	-	-	-
HCM Control Delay (s)		8.5	_	-	0	-
HCM Lane LOS		Α	-	-	A	-
Jili Lano Loo					_	

	<b>→</b>	•	<b>←</b>	4	<b>†</b>	<b>/</b>	<b>&gt;</b>	<b>↓</b>	
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	
Lane Group Flow (vph)	30	191	82	3	303	136	55	234	
v/c Ratio	0.10	0.65	0.25	0.01	0.98	0.18	0.19	0.75	
Control Delay	28.9	46.4	13.1	31.7	85.3	3.7	34.2	52.4	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	28.9	46.4	13.1	31.7	85.3	3.7	34.2	52.4	
Queue Length 50th (ft)	12	103	6	1	174	0	27	127	
Queue Length 95th (ft)	36	#180	45	9	#336	33	61	#238	
Internal Link Dist (ft)	1290		1265		2194			1552	
Turn Bay Length (ft)		250		150			195		
Base Capacity (vph)	299	295	328	295	310	738	295	310	
Starvation Cap Reductn	0	0	0	0	0	0	0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0	
Reduced v/c Ratio	0.10	0.65	0.25	0.01	0.98	0.18	0.19	0.75	
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	۶	<b>→</b>	•	•	<b>←</b>	•	1	<b>†</b>	<b>/</b>	<b>/</b>	<b>+</b>	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		7	₽		ሻ	<b>•</b>	7	ሻ	₽	
Traffic Volume (veh/h)	15	9	5	183	12	66	3	291	131	53	215	10
Future Volume (veh/h)	15	9	5	183	12	66	3	291	131	53	215	10
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	16	9	5	191	12	69	3	303	136	55	224	10
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	157	89	49	297	40	230	297	312	528	297	296	13
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	944	531	295	1781	240	1381	1781	1870	1585	1781	1777	79
Grp Volume(v), veh/h	30	0	0	191	0	81	3	303	136	55	0	234
Grp Sat Flow(s),veh/h/ln	1770	0	0	1781	0	1622	1781	1870	1585	1781	0	1856
Q Serve(g_s), s	1.3	0.0	0.0	9.0	0.0	3.8	0.1	14.5	5.6	2.4	0.0	10.8
Cycle Q Clear(g_c), s	1.3	0.0	0.0	9.0	0.0	3.8	0.1	14.5	5.6	2.4	0.0	10.8
Prop In Lane	0.53		0.17	1.00		0.85	1.00	0.10	1.00	1.00		0.04
Lane Grp Cap(c), veh/h	295	0	0	297	0	270	297	312	528	297	0	309
V/C Ratio(X)	0.10	0.00	0.00	0.64	0.00	0.30	0.01	0.97	0.26	0.19	0.00	0.76
Avail Cap(c_a), veh/h	295	0	0	297	0	270	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.9	0.0	0.0	35.0	0.0	31.7	31.3	37.3	21.9	32.2	0.0	35.7
Incr Delay (d2), s/veh	0.7	0.0	0.0	10.3	0.0	2.8	0.1	44.4	1.2	1.4	0.0	15.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0 4.5	0.0	0.0 1.6	0.0	0.0 10.2	0.0 2.8	0.0 1.1	0.0	0.0 6.0
%ile BackOfQ(50%),veh/ln		0.0	0.0	4.5	0.0	1.0	0.1	10.2	2.0	1.1	0.0	0.0
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh	31.6	0.0	0.0	45.3	0.0	34.6	31.4	81.6	23.1	33.6	0.0	51.5
LnGrp LOS	31.0 C	0.0 A		45.5 D	0.0 A	34.0 C	31.4 C	61.0 F	23.1 C	33.0 C	0.0 A	51.5 D
		30	A	U	272	U					289	D
Approach Vol, veh/h		31.6			42.1			442 63.3			48.1	
Approach LOS		31.0 C			42.1 D			63.3 E			40.1 D	
Approach LOS					U						D	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+l1), s		17.5		3.3		12.8		12.0				
Green Ext Time (p_c), s		0.1		0.1		0.6		0.5				
Intersection Summary												
HCM 6th Ctrl Delay			52.5									
HCM 6th LOS			D									

## 1: Markham St/Dirt Rd & Roosevelt St

Intersection						
Intersection Delay, s/veh	7					
Intersection LOS	A					
Intersection LOO						
			14	14/55	0.5	055
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		4	<b>₽</b>		W	_
Traffic Vol, veh/h	10	4	1	1	4	7
Future Vol, veh/h	10	4	1	1	4	7
Peak Hour Factor	0.67	0.67	0.67	0.67	0.67	0.67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	6	1	1	6	10
Number of Lanes	0	1	1	0	1	0
Approach	EB		WB		SB	
Opposing Approach	WB		EB			
Opposing Lanes	1		1		0	
Conflicting Approach Left	SB				WB	
Conflicting Lanes Left	1		0		1	
Conflicting Approach Right			SB		EB	
Conflicting Lanes Right	0		1		1	
HCM Control Delay	7.2		6.7		6.7	
HCM LOS	Α		Α		Α	
Lane		EBLn1	WBLn1	SBLn1		
Vol Left, %		71%	0%	36%		
Vol Thru, %		29%	50%	0%		
Vol Right, %		0%	50%	64%		
Sign Control		Stop	Stop	Stop		
Traffic Vol by Lane		14	2	11		
LT Vol		10	0	4		
Through Vol		4	1	0		
RT Vol		0	1	7		
Lane Flow Rate		21	3	16		
Geometry Grp		1	1	1		
Degree of Util (X)		0.024	0.003	0.017		
Departure Headway (Hd)		4.109	3.679	3.668		
Convergence, Y/N		Yes	Yes	Yes		
Cap		876	976	979		
Service Time		2.113	1.688	1.677		
HCM Lane V/C Ratio		0.024	0.003	0.016		
HCM Control Delay		7.2	6.7	6.7		
HCM Lane LOS		Α	Α	Α		

Intersection						
Int Delay, s/veh	2.2					
		===	14.5	14/5-		
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	₽			- 4	¥	
Traffic Vol, veh/h	11	1	4	6	0	3
Future Vol, veh/h	11	1	4	6	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	ŧ 0	_	-	0	0	_
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	64	64	64	64
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	17	2	6	9	0	5
IVIVIII(IIOVV	17	2	U	3	U	J
Major/Minor Ma	ajor1	N	Major2	- 1	Minor1	
Conflicting Flow All	0	0	19	0	39	18
Stage 1	-	-	-	-	18	-
Stage 2	_	_	_	_	21	_
Critical Hdwy	_	_	4.12	_	6.42	6.22
Critical Hdwy Stg 1	_	_	- 1.12	_	5.42	- V.LL
Critical Hdwy Stg 2	_		_	_	5.42	
Follow-up Hdwy	_		2.218	_	3.518	3.318
Pot Cap-1 Maneuver		-	1597		973	1061
•	-	-	1991	-	1005	1001
Stage 1	-	-	-	-		
Stage 2	-	-	-	-	1002	-
Platoon blocked, %	-	-	4=0=	-	0.00	1001
Mov Cap-1 Maneuver	-	-	1597	-	969	1061
Mov Cap-2 Maneuver	-	-	-	-	969	-
Stage 1	-	-	-	-	1005	-
Stage 2	-	-	-	-	998	-
Annroach	ED		WD		ND	
Approach	EB		WB		NB	
HCM Control Delay, s	0		2.9		8.4	
HCM LOS					Α	
Minor Lane/Major Mvmt	ı	NBLn1	EBT	EBR	WBL	WBT
	<u> </u>	1061	LDI		1597	
Capacity (veh/h) HCM Lane V/C Ratio					0.004	-
		0.004	-			-
HCM Control Delay (s)		8.4	-	-	7.3	0
HCM Lane LOS		A	-	-	A	Α
HCM 95th %tile Q(veh)		0	-	-	0	-

Intersection						
Int Delay, s/veh	4.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	Þ			4	W	
Traffic Vol, veh/h	11	0	8	0	0	6
Future Vol, veh/h	11	0	8	0	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	_	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	16	0	11	0	0	9
WWW.CT IOW	10	· ·	•		· ·	U
Major/Minor M	lajor1	N	Major2		Minor1	
Conflicting Flow All	0	0	16	0	38	16
Stage 1	-	-	-	-	16	-
Stage 2	-	-	-	-	22	-
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	_	_	1602	_	974	1063
Stage 1	<u>-</u>	_	-	_	1007	-
Stage 2	_			_	1007	_
Platoon blocked, %	<u> </u>	_	_		1001	
		-	1602	-	967	1063
Mov Cap-1 Maneuver	-	-		-		
Mov Cap-2 Maneuver	-	-	-	-	967	-
Stage 1	-	-	-	-	1007	-
Stage 2	-	-	-	-	994	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		7.3		8.4	
HCM LOS	U		7.0		Α	
TOW LOO					٨	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1063	-	-	1602	-
HCM Lane V/C Ratio		0.008	-	-	0.007	-
HCM Control Delay (s)		8.4	-	-	7.3	0
HCM Lane LOS		Α	-	-	A	A
HCM 95th %tile Q(veh)		0	-	_	0	-
					J	

	-	•	•	4	<b>†</b>	~	-	<b>↓</b>
Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	16	93	56	1	289	218	176	373
v/c Ratio	0.05	0.32	0.18	0.00	0.93	0.28	0.60	1.20
Control Delay	29.6	36.4	11.7	31.0	75.5	3.4	44.0	153.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.6	36.4	11.7	31.0	75.5	3.4	44.0	153.0
Queue Length 50th (ft)	7	47	1	1	164	0	94	~261
Queue Length 95th (ft)	25	93	34	5	#315	41	161	#437
Internal Link Dist (ft)	1290		1265		2194			1552
Turn Bay Length (ft)		250		150			195	
Base Capacity (vph)	296	295	310	295	310	786	295	310
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.32	0.18	0.00	0.93	0.28	0.60	1.20

#### Intersection Summary

Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4		ሻ	f)		ሻ	<b>↑</b>	7	7	f)	
Traffic Volume (veh/h)	10	3	2	84	2	49	1	260	196	158	321	14
Future Volume (veh/h)	10	3	2	84	2	49	1	260	196	158	321	14
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	3	2	93	2	54	1	289	218	176	357	16
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	203	55	37	297	9	256	297	312	528	297	296	13
Arrive On Green	0.20	0.17	0.20	0.17	0.17	0.20	0.17	0.17	0.17	0.17	0.17	0.20
Sat Flow, veh/h	1217	332	221	1781	57	1537	1781	1870	1585	1781	1776	80
Grp Volume(v), veh/h	16	0	0	93	0	56	1	289	218	176	0	373
Grp Sat Flow(s),veh/h/ln	1770	0	0	1781	0	1594	1781	1870	1585	1781	0	1856
Q Serve(g_s), s	0.7	0.0	0.0	4.1	0.0	2.6	0.0	13.7	9.6	8.2	0.0	15.0
Cycle Q Clear(g_c), s	0.7	0.0	0.0	4.1	0.0	2.6	0.0	13.7	9.6	8.2	0.0	15.0
Prop In Lane	0.69	•	0.12	1.00	•	0.96	1.00	0.40	1.00	1.00	•	0.04
Lane Grp Cap(c), veh/h	295	0	0	297	0	266	297	312	528	297	0	309
V/C Ratio(X)	0.05	0.00	0.00	0.31	0.00	0.21	0.00	0.93	0.41	0.59	0.00	1.21
Avail Cap(c_a), veh/h	295	0	0	297	0	266	297	312	528	297	0	309
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
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.5	0.0	0.0	33.0	0.0	31.1	31.3	37.0 35.3	23.2	34.7 8.4	0.0	37.4
Incr Delay (d2), s/veh	0.3	0.0	0.0	2.7 0.0	0.0	1.8	0.0	0.0	2.4 0.0	0.0	0.0	119.1 0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	1.9	0.0	0.0 1.1	0.0	9.0	4.8	4.1	0.0	16.7
%ile BackOfQ(50%),veh/ln Unsig. Movement Delay, s/veh		0.0	0.0	1.9	0.0	1.1	0.0	9.0	4.0	4.1	0.0	10.7
LnGrp Delay(d),s/veh	30.9	0.0	0.0	35.7	0.0	32.9	31.3	72.3	25.6	43.1	0.0	156.6
LnGrp LOS	30.9 C	0.0 A	0.0 A	33.7 D	0.0 A	32.9 C	31.3 C	72.3 E	25.0 C	43.1 D	0.0 A	130.0 F
Approach Vol, veh/h		16		U	149		<u> </u>			U	549	Г
		30.9			34.7			508 52.2			120.2	
Approach Delay, s/veh Approach LOS		30.9 C			34.7 C			52.2 D			120.2 F	
Approach LOS		C			C			U			Г	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		22.5		22.5		22.5		22.5				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		18.0		18.0		18.0		18.0				
Max Q Clear Time (g_c+I1), s		16.7		3.0		17.0		7.1				
Green Ext Time (p_c), s		0.3		0.0		0.3		0.3				
Intersection Summary												
HCM 6th Ctrl Delay			80.3									
HCM 6th LOS			F									

Intersection						
Int Delay, s/veh	0.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		र्स	<b>∱</b> ⊅		Y	
Traffic Vol, veh/h	11	209	551	6	6	12
Future Vol, veh/h	11	209	551	6	6	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	250	0	-
Veh in Median Storage	e,# -	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	209	551	6	6	12
N 4 = i = 11/N 4i = =	NA-! A		A-1- C		A: C	
	Major1		Major2		Minor2	
Conflicting Flow All	557	0	-	0	785	279
Stage 1	-	-	-	-	554	-
Stage 2	-	-	-	-	231	-
Critical Hdwy	4.13	-	-	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.219	-	-	-	3.519	3.319
Pot Cap-1 Maneuver	1012	-	-	-	345	719
Stage 1	-	-	-	-	540	-
Stage 2	-	-	-	-	807	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1012	-	_	_	341	719
Mov Cap-2 Maneuver	-	_	_	_	436	-
Stage 1	_	_	_	_	534	_
Stage 2	_	_	_	_	807	_
Olaye Z					001	
Approach	EB		WB		SB	
HCM Control Delay, s	0.4		0		11.3	
HCM LOS					В	
Minor Long/Major Myr	.4	EDI	ГОТ	WDT	WDD	CDL n4
Minor Lane/Major Mvm	IL	EBL	EBT	WBT	WBR :	
Capacity (veh/h)		1012	-	-	-	591
HCM Lane V/C Ratio		0.011	-	-	-	0.03
HCM Control Delay (s)		8.6	0	-	-	11.3
HCM Lane LOS		Α	Α	-	-	В
HCM 95th %tile Q(veh)		0				0.1

Intersection						
Int Delay, s/veh	0.5					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	<b>1</b>			4	¥	
Traffic Vol, veh/h	165	0	13	564	0	27
Future Vol, veh/h	165	0	13	564	0	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	_	-	_	-	0	-
Veh in Median Storage	,# 0	_	_	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	165	0	13	564	0	27
IVIVIII( I IOW	100	U	10	304	U	21
Major/Minor N	//ajor1	N	Major2		Minor1	
Conflicting Flow All	0	0	165	0	755	165
Stage 1	-	-	-	-	165	-
Stage 2	-	-	-	-	590	-
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	_	_	1413	-	376	879
Stage 1	_	_	-	_	864	-
Stage 2	-	-	-	_	554	-
Platoon blocked, %	_	_		_	- JO 1	
Mov Cap-1 Maneuver	_	_	1413	_	371	879
Mov Cap-1 Maneuver	_	_	-	_	457	-
Stage 1		_	_		864	-
9		-			547	
Stage 2	-	-	-	-	547	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.2		9.2	
HCM LOS					Α	
					, ,	
NAT: 1 (N. 4. 1. N. 4.		UDL 4	ГОТ	EDD	\A/D!	MOT
Minor Lane/Major Mvm	τ Γ	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		879	-	-		-
HCM Lane V/C Ratio		0.031	-		0.009	-
HCM Control Delay (s)		9.2	-	-	7.6	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	-	-	0	-

Intersection						
Int Delay, s/veh	0.4					
		ED.5	14/51	14/5T	NE	NES
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	f)			4	¥	
Traffic Vol, veh/h	137	41	4	538	5	18
Future Vol, veh/h	137	41	4	538	5	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	137	41	4	538	5	18
NA ' /NA'						
	/lajor1		Major2		Minor1	
Conflicting Flow All	0	0	178	0	704	158
Stage 1	-	-	-	-	158	-
Stage 2	-	-	-	-	546	-
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	-	-	1398	_	403	887
Stage 1	-	-	-	_	871	-
Stage 2	-	-	_	-	580	-
Platoon blocked, %	_	_		_	- 555	
Mov Cap-1 Maneuver	_	_	1398	_	401	887
Mov Cap-1 Maneuver	_		-	_	401	-
Stage 1	_	_	-	_	871	_
•	-	-	-	-	578	
Stage 2	<del>-</del>	<del>-</del>	-	-	ت 10	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.1		10.3	
HCM LOS					В	
		.D				14/5-
Minor Lane/Major Mvmt	i 1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		702	-		1398	-
HCM Lane V/C Ratio		0.033	-	-	0.003	-
HCM Control Delay (s)		10.3	-	-	7.6	0
HCM Lane LOS		В	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	-	-	0	-

	٠	<b>→</b>	•	<b>←</b>	4	<b>†</b>	<i>&gt;</i>	<b>\</b>	ļ
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	60	77	95	431	63	292	24	7	252
v/c Ratio	0.57	0.10	0.57	0.89	0.59	0.62	0.04	0.14	0.62
Control Delay	56.7	19.3	47.2	50.3	59.1	31.7	0.1	41.9	32.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.7	19.3	47.2	50.3	59.1	31.7	0.1	41.9	32.2
Queue Length 50th (ft)	28	11	43	191	29	121	0	3	100
Queue Length 95th (ft)	#79	28	#100	#356	#84	199	0	16	174
Internal Link Dist (ft)		1290		1265		697			1552
Turn Bay Length (ft)	200		250		150			195	
Base Capacity (vph)	106	784	167	482	106	469	605	49	409
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.57	0.10	0.57	0.89	0.59	0.62	0.04	0.14	0.62
Intersection Summary									

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	•	<b>→</b>	•	•	<b>←</b>	4	1	<b>†</b>	<b>/</b>	<b>/</b>	<b>+</b>	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	<b>∱</b> ∱		7	1•		ሻ	<b>•</b>	7	ሻ	₽	
Traffic Volume (veh/h)	60	60	17	95	393	38	63	292	24	7	203	49
Future Volume (veh/h)	60	60	17	95	393	38	63	292	24	7	203	49
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	60	60	17	95	393	38	63	292	24	7	203	49
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	107	622	169	169	436	42	107	471	549	50	320	77
Arrive On Green	0.06	0.23	0.27	0.09	0.26	0.30	0.06	0.25	0.25	0.03	0.22	0.26
Sat Flow, veh/h	1781	2761	751	1781	1679	162	1781	1870	1585	1781	1456	351
Grp Volume(v), veh/h	60	38	39	95	0	431	63	292	24	7	0	252
Grp Sat Flow(s),veh/h/ln	1781	1777	1735	1781	0	1841	1781	1870	1585	1781	0	1807
Q Serve(g_s), s	2.5	1.3	1.3	3.8	0.0	17.0	2.6	10.4	0.4	0.3	0.0	9.4
Cycle Q Clear(g_c), s	2.5	1.3	1.3	3.8	0.0	17.0	2.6	10.4	0.4	0.3	0.0	9.4
Prop In Lane	1.00	100	0.43	1.00	•	0.09	1.00	474	1.00	1.00	•	0.19
Lane Grp Cap(c), veh/h	107	400	391	169	0	479	107	471	549	50	0	398
V/C Ratio(X)	0.56	0.09	0.10	0.56	0.00	0.90	0.59	0.62	0.04	0.14	0.00	0.63
Avail Cap(c_a), veh/h	107	400	391	169	0	479	107	471	549	50	0	398
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
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	34.3	23.0	22.5	32.5	0.0	26.7	34.3	24.9	6.2	35.6	0.0	26.2
Incr Delay (d2), s/veh	19.6 0.0	0.5	0.5 0.0	12.9	0.0	22.6	21.6	6.0	0.1	5.8	0.0	7.5 0.0
Initial Q Delay(d3),s/veh	1.6	0.0 0.5	0.0	0.0 2.1	0.0	0.0 9.6	0.0 1.7	0.0 5.0	0.0	0.0	0.0	4.6
%ile BackOfQ(50%),veh/ln Unsig. Movement Delay, s/veh		0.5	0.5	۷.۱	0.0	9.0	1.7	5.0	0.2	0.2	0.0	4.0
LnGrp Delay(d),s/veh	53.9	23.5	23.0	45.4	0.0	49.3	56.0	30.9	6.3	41.4	0.0	33.7
LnGrp LOS	55.9 D	23.5 C	23.0 C	45.4 D	0.0 A	49.3 D	30.0 E	30.9 C	0.5 A	41.4 D	0.0 A	33.7 C
Approach Vol, veh/h	D	137	U	U	526	U	<u> </u>	379	<u>A</u>	U	259	
		36.7			48.6			33.5			33.9	
Approach Delay, s/veh Approach LOS		30.1 D			40.0 D			33.5 C			33.9 C	
Approach LOS		U			U			C			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.6	26.4	14.6	24.4	12.0	24.0	12.0	27.0				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.1	21.9	10.1	19.9	7.5	19.5	7.5	22.5				
Max Q Clear Time (g_c+I1), s	3.3	13.4	6.8	4.3	5.6	11.4	5.5	19.0				
Green Ext Time (p_c), s	0.0	1.0	0.1	0.2	0.0	0.8	0.0	0.8				
Intersection Summary												
HCM 6th Ctrl Delay			40.0									
HCM 6th LOS			D									

Intersection						
Int Delay, s/veh	0.3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		र्स	<b>∱</b> }		W	
Traffic Vol, veh/h	14	704	249	7	4	7
Future Vol, veh/h	14	704	249	7	4	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	250	0	-
Veh in Median Storage	e.# -	0	0	-	0	_
Grade, %	_	0	0	_	0	_
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	14	704	249	7	4	7
IVIVIII( I IOW	17	704	240	1	7	1
Major/Minor	Major1	N	Major2	ا	Minor2	
Conflicting Flow All	256	0	-	0	985	128
Stage 1	-	-	-	-	253	-
Stage 2	_	_	-	-	732	_
Critical Hdwy	4.13	_	_	_	6.63	6.93
Critical Hdwy Stg 1	-	_	_	_	5.83	-
Critical Hdwy Stg 2	_	_	_	_	5.43	_
Follow-up Hdwy	2.219	_	_	_	3.519	3 310
Pot Cap-1 Maneuver	1307	_	_	_	260	899
Stage 1	1307	_	_	_	767	- 099
	-	-			475	
Stage 2	-	-	-	-	4/5	-
Platoon blocked, %	4007	-	-	-	055	000
Mov Cap-1 Maneuver	1307	-	-	-	255	899
Mov Cap-2 Maneuver	-	-	-	-	372	-
Stage 1	-	-	-	-	753	-
Stage 2	-	-	-	-	475	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.2		0		11.2	
HCM LOS	0.2		U		11.2 B	
I IOIVI LOO					D	
Minor Lane/Major Mvm	nt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)		1307	-	_	_	593
HCM Lane V/C Ratio		0.011	-	-	_	0.019
HCM Control Delay (s)		7.8	0	-	-	11.2
HCM Lane LOS		Α	A	-	-	В
HCM 95th %tile Q(veh	)	0	-	_	_	0.1
Sin oour rould a von	1	V				V. 1

Intersection						
Int Delay, s/veh	0.3					
		EDD	WDI	WDT	NDI	NDD
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	<b>♣</b>	47	40	4	À	45
Traffic Vol, veh/h	637	17	13	255	0	15
Future Vol, veh/h	637	17	13	255	0	15
Conflicting Peds, #/hr	_ 0	_ 0	_ 0	_ 0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	100	100	100	100	100	100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	637	17	13	255	0	15
Major/Minor N	/lajor1	_	Major2		Minor1	
Conflicting Flow All	0	0	654	0	927	646
Stage 1	-	-	-	-	646	-
Stage 2	_	_		_	281	_
Critical Hdwy			4.12	_	6.42	6.22
Critical Hdwy Stg 1	_	_	4.12	-	5.42	0.22
		-	-		5.42	-
Critical Hdwy Stg 2	-	-	2 210	-		
Follow-up Hdwy	-		2.218	-		
Pot Cap-1 Maneuver	-	-	933	-	298	472
Stage 1	-	-	-	-	522	-
Stage 2	-	-	-	-	767	-
Platoon blocked, %	-	-	000	-	000	4-0
Mov Cap-1 Maneuver	-	-	933	-	293	472
Mov Cap-2 Maneuver	-	-	-	-	407	-
Stage 1	-	-	-	-	522	-
Stage 2	-	-	-	-	755	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.4		12.9	
HCM LOS	U		0.4		12.9 B	
I IOIVI LOS					D	
Minor Lane/Major Mvmt	t 1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		472	-	-	933	-
HCM Lane V/C Ratio		0.032	-	-	0.014	-
HCM Control Delay (s)		12.9	-	-	8.9	0
HCM Lane LOS		В	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	-	-	0	-

Intersection						
Int Delay, s/veh	0.4					
IIIL Delay, 5/Vell						
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	ĵ.			ની	W	
Traffic Vol, veh/h	598	0	8	244	0	23
Future Vol, veh/h	598	0	8	244	0	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	_	-	_	-	0	-
Veh in Median Storage,		_	_	0	0	_
Grade, %	# 0 0	_	_	0	0	
Peak Hour Factor	100			100	100	
		100	100			100
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	598	0	8	244	0	23
Major/Minor M	lajor1	N	Major2		Minor1	
Conflicting Flow All	0	0	598	0	858	598
	-	U	590		598	-
Stage 1		-		-		
Stage 2	-	-	- 4.40	-	260	-
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	
Pot Cap-1 Maneuver	-	-	979	-	327	502
Stage 1	-	-	-	-	549	-
Stage 2	_	_	-	-	783	_
Platoon blocked, %	_	_		_		
Mov Cap-1 Maneuver	_	_	979	_	324	502
Mov Cap-2 Maneuver		_	-	_	324	-
•	-	-				
Stage 1	-	-	-	-	549	-
Stage 2	-	-	-	-	776	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.3		12.5	
HCM LOS					В	
Minor Lane/Major Mvmt	ľ	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		502	-	-	979	-
HCM Lane V/C Ratio		0.046	-	-	0.008	-
HCM Control Delay (s)		12.5	-	-	8.7	0
HCM Lane LOS		В	-	-	Α	Α
HCM 95th %tile Q(veh)		0.1	_	-	0	-
. Town oour round w(von)		J. 1			J	

#### 4: Wood Rd & Markham St

	۶	<b>→</b>	•	<b>←</b>	4	<b>†</b>	<b>/</b>	<b>&gt;</b>	ļ	
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	
Lane Group Flow (vph)	65	605	29	164	53	300	68	9	232	
v/c Ratio	0.66	0.81	0.53	0.47	0.16	0.47	0.11	0.14	0.64	
Control Delay	69.0	39.5	72.9	33.9	28.8	23.5	2.1	41.9	38.3	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	69.0	39.5	72.9	33.9	28.8	23.5	2.1	41.9	38.3	
Queue Length 50th (ft)	33	150	15	73	22	116	0	4	105	
Queue Length 95th (ft)	#94	#228	#54	132	53	187	12	19	179	
Internal Link Dist (ft)		1290		1265		697			1552	
Turn Bay Length (ft)	200		250		150			195		
Base Capacity (vph)	99	750	55	348	331	640	644	66	360	
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	
Reduced v/c Ratio	0.66	0.81	0.53	0.47	0.16	0.47	0.11	0.14	0.64	
Intersection Summary										

<sup># 95</sup>th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

	•	<b>→</b>	•	•	<b>—</b>	•	1	<b>†</b>	/	<b>/</b>	<b></b>	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	<b>∱</b> ∱		7	1•		ሻ	<b>•</b>	7	ሻ	₽	
Traffic Volume (veh/h)	65	574	31	29	160	4	53	300	68	9	210	22
Future Volume (veh/h)	65	574	31	29	160	4	53	300	68	9	210	22
Initial Q (Qb), 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	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	65	574	31	29	160	4	53	300	68	9	210	22
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	100	729	39	56	341	9	334	643	594	67	323	34
Arrive On Green	0.06	0.21	0.25	0.03	0.19	0.22	0.19	0.34	0.34	0.04	0.19	0.23
Sat Flow, veh/h	1781	3429	185	1781	1817	45	1781	1870	1585	1781	1665	174
Grp Volume(v), veh/h	65	297	308	29	0	164	53	300	68	9	0	232
Grp Sat Flow(s),veh/h/ln	1781	1777	1837	1781	0	1862	1781	1870	1585	1781	0	1839
Q Serve(g_s), s	2.9	12.6	12.7	1.3	0.0	6.3	2.0	10.0	1.2	0.4	0.0	9.3
Cycle Q Clear(g_c), s	2.9	12.6	12.7	1.3	0.0	6.3	2.0	10.0	1.2	0.4	0.0	9.3
Prop In Lane	1.00	2=2	0.10	1.00		0.02	1.00	0.10	1.00	1.00		0.09
Lane Grp Cap(c), veh/h	100	378	390	56	0	349	334	643	594	67	0	356
V/C Ratio(X)	0.65	0.79	0.79	0.52	0.00	0.47	0.16	0.47	0.11	0.13	0.00	0.65
Avail Cap(c_a), veh/h	100	378	390	56	0	349	334	643	594	67	0	356
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
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	37.0	29.8	29.7	38.2	0.0	28.9	27.2	20.5	6.1	37.2	0.0	29.6
Incr Delay (d2), s/veh	28.2	15.2	14.9	30.8	0.0	4.5	1.0	2.4	0.4	4.2	0.0	8.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	6.6	6.7	1.0	0.0	3.0	0.9	4.4	0.5	0.2	0.0	4.7
Unsig. Movement Delay, s/veh	65.1	45.0	44.5	68.9	0.0	33.4	28.2	22.9	6.5	41.4	0.0	38.5
LnGrp Delay(d),s/veh	00.1 E	45.0 D	44.5 D	00.9 E	0.0 A	33.4 C	20.2 C	22.9 C	0.5 A	41.4 D	0.0 A	30.5 D
LnGrp LOS			U			U	U		A	U		D
Approach Vol, veh/h		670			193			421			241	
Approach LOS		46.7 D			38.7			21.0			38.6	
Approach LOS		U			D			С			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	10.5	35.0	10.0	24.5	22.5	23.0	12.0	22.5				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	6.0	30.5	5.5	20.0	18.0	18.5	7.5	18.0				
Max Q Clear Time (g_c+l1), s	3.4	13.0	4.3	15.6	5.0	11.3	5.9	8.3				
Green Ext Time (p_c), s	0.0	1.7	0.0	1.3	0.1	0.6	0.0	0.5				
Intersection Summary												
HCM 6th Ctrl Delay			37.3									
HCM 6th LOS			D									

Appendix D - Collision Report

From 1/1/2015 to 12/31/2020

Total Collisions: 1 Collision Summary Report 10/18/21

Injury Collisions: 0
Fatal Collisions: 0

MARKHAM ST & ROOSEVELT ST Page 1 of 1

9840201802376	4/22/2018	21:40 Sunday	MARKHAM ST - ROOSEVELT ST	100'	Direction: West	Dark - Street Ligh Clea	ar	Pty at Fault:1
	Hit Object	Fixed Object	Improper Turning	22107	Hit & Run: Misde	Property Damage Only	# Inj: 0	# Killed: 0
Party 1 Driver	West	Other Unsafe Turning	Age:		Sport Utilit	y Vehicle	No Inju	ıry

Unknown

Cell Phone Not In Use

Sobriety: Impairment Not Kno Assoc Factor: None Apparent

**Settings for Query:** 

Veh Type: Passenger Car

Street: MARKHAM ST

**Cross Street: ROOSEVELT ST Sorted By: Date and Time** 

From 1/1/2015 to 12/31/2020

Total Collisions: 0 Collision Summary Report 10/18/21

Injury Collisions: 0
Fatal Collisions: 0

MARKHAM ST & ALDER ST Page 1 of 1

**Settings for Query:** 

Street: MARKHAM ST Cross Street: ALDER ST Sorted By: Date and Time

From 1/1/2015 to 12/31/2020

Total Collisions: 0 Collision Summary Report 10/18/21

Injury Collisions: 0
Fatal Collisions: 0

MARKHAM ST & ORAN DR Page 1 of 1

**Settings for Query:** 

Street: MARKHAM ST Cross Street: ORAN DR Sorted By: Date and Time

From 1/1/2015 to 12/31/2020

Total Collisions: 1 Collision Summary Report 10/18/21

Injury Collisions: 0
Fatal Collisions: 0

MARKHAM ST & BIRCH ST Page 1 of 1

9840201906147	10/27/2019	22:25 Sunday	MARKHAM ST - BIRCH ST	67	Direction: West	Dark - No Street Clea	ar Pty at Fault:1
	Hit Object	Fixed Object	t Improper Turning	22107	Hit & Run: Misde	Property Damage Only	# Inj: 0 # Killed: 0
Party 1 Driver	West	Other Unsafe Turning	Age:		Pickups &	Panels	No Injury

Veh Type: Pickup Truck Sobriety: Impairment Not Kno Assoc Factor: None Apparent Unknown Cell Phone Not In Use

**Settings for Query:** 

Street: MARKHAM ST Cross Street: BIRCH ST Sorted By: Date and Time

From 1/1/2015 to 12/31/2020

Total Collisions: 2 Collision Summary Report

10/18/21

Injury Collisions: 0
Fatal Collisions: 0

#### MARKHAM ST from BIRCH ST to WOOD RD

Page 1 of 1

2015080303	8/17/2015	14:50 Monday	MARKHAM ST - WOOD RD	0' Direction: Not Stated Daylight Clear Pty at Faul
	Sideswipe	Motor Vehicl	e on Othe Auto R/W Violation	21453B Hit & Run: No Property Damage Only # Inj: 0 # Killed
Party 1 Driver	West	Making Right Turn	Female Age: 37	Passenger Car, Station Wagon, Jeep No Injury
Veh Type: Passer	nger Car	Sobriety: HNBD	Assoc Factor: None Apparent	Lap/Shoulder Harness Used Cell Phone Not In Use
Party 2 Driver	North	Proceeding Straight	Female Age: 16	Passenger Car, Station Wagon, Jeep No Injury
Veh Type: Passer	nger Car	Sobriety: HNBD	Assoc Factor: None Apparent	Lap/Shoulder Harness Used Cell Phone Not In Use
9840201906147	10/27/2019	22:25 Sunday	MARKHAM ST - BIRCH ST	67' Direction: West Dark - No Street Clear Pty at Faul
	Hit Object	Fixed Object	Improper Turning	22107 Hit & Run: Misde Property Damage Only # Inj: 0 # Killed
Party 1 Driver	West	Other Unsafe Turning	Age:	Pickups & Panels No Injury
Veh Type: Pickup	Truck	Sobriety: Impairment	Not Kno Assoc Factor: None Apparent	Unknown Cell Phone Not In Use

Segment Length: 0.52 miles (2,743')

**Settings for Query:** 

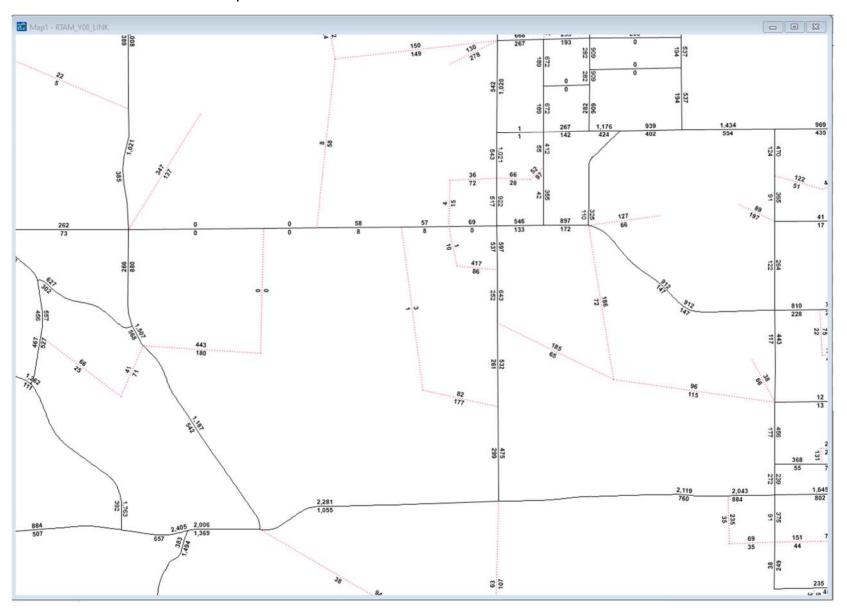
Segment: MARKHAM ST between BIRCH ST and WOOD RD Include Intersection Related at Limit 1 (BIRCH ST): True Include Intersection Related at Limit 2 (WOOD RD): True Include Intersection Related at Intermediate Intersections: True

**Sorted By: Date and Time** 

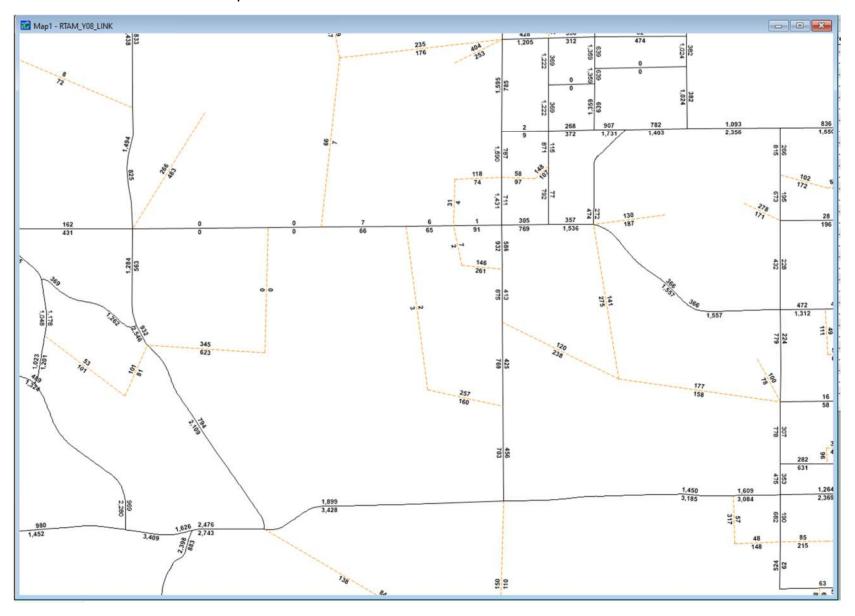
Appendix E – RIVTAM Model Outputs
Note: AM and PM model outputs in this Appendix represent AM and PM peak periods outputs
Note: AM and PM model outputs in this Appendix represent AM and PM peak periods outputs
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Note: AM and PM model outputs in this Appendix represent AM and PM peak periods outputs



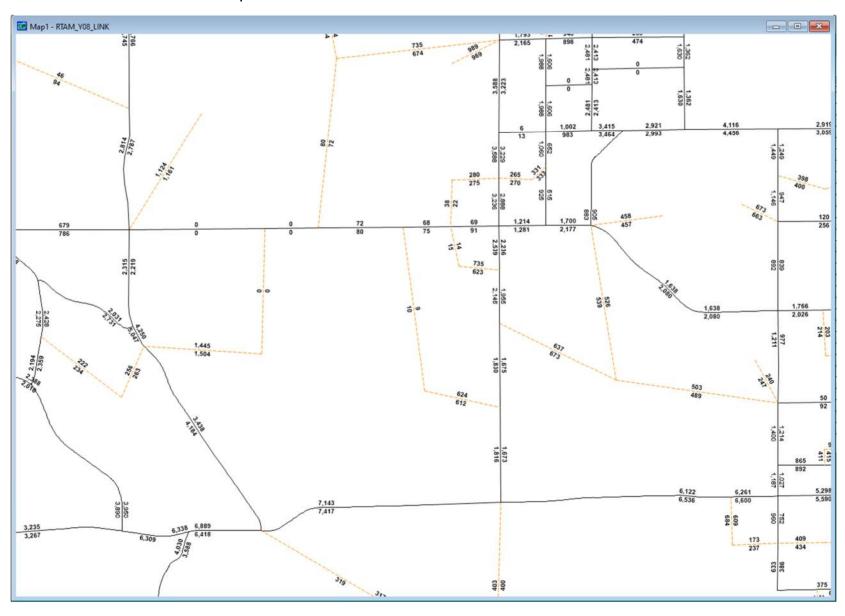
### 2012 No Build AM Model Outputs



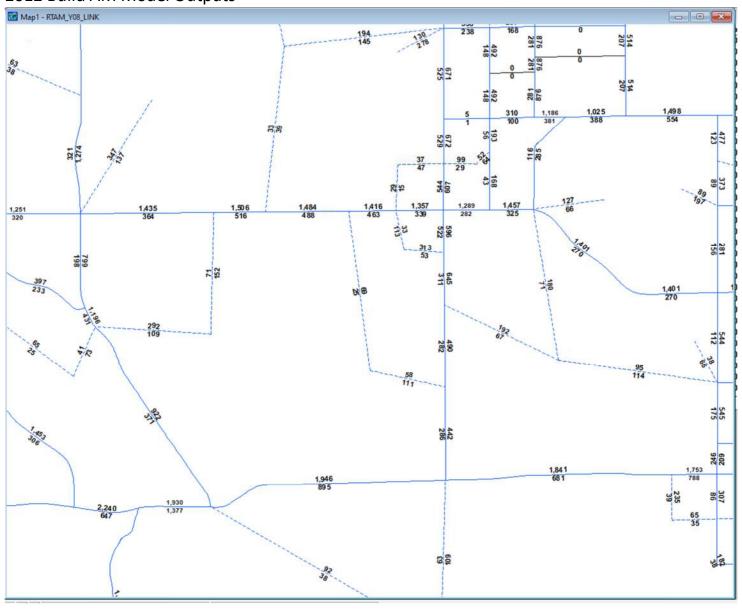
### 2012 No Build PM Model Outputs



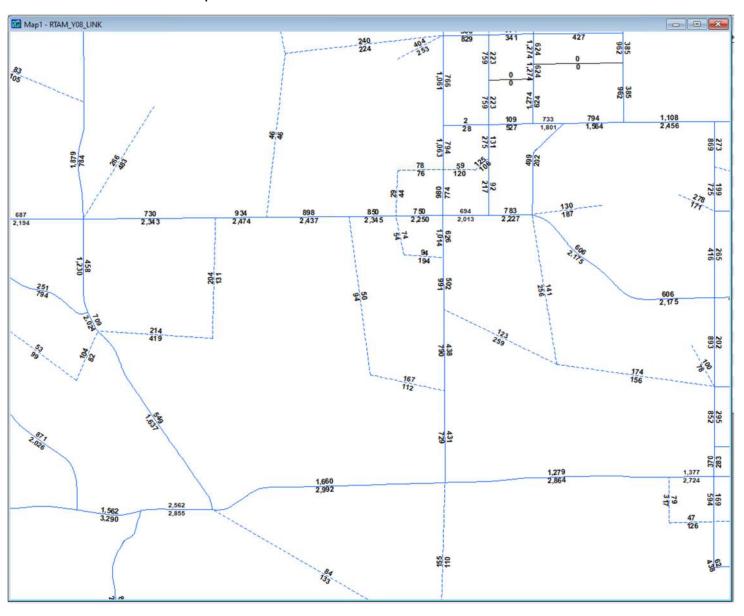
### 2012 No Build ADT Model Outputs



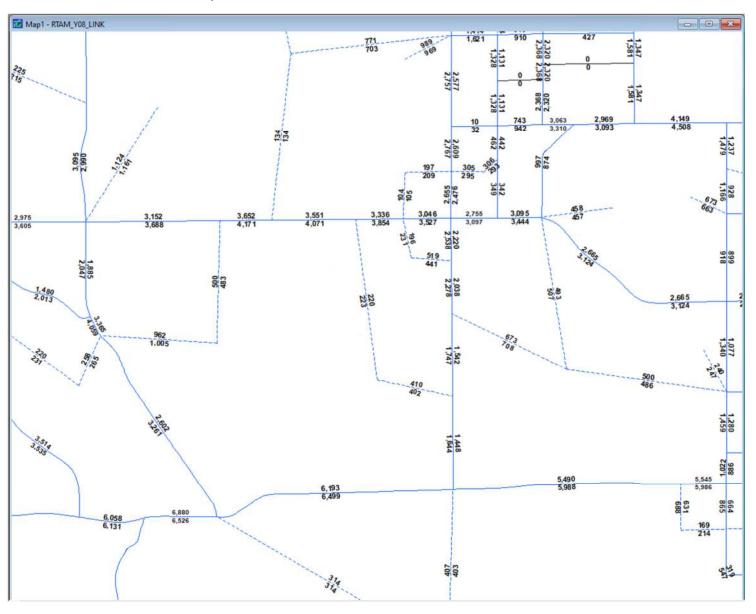
### 2012 Build AM Model Outputs



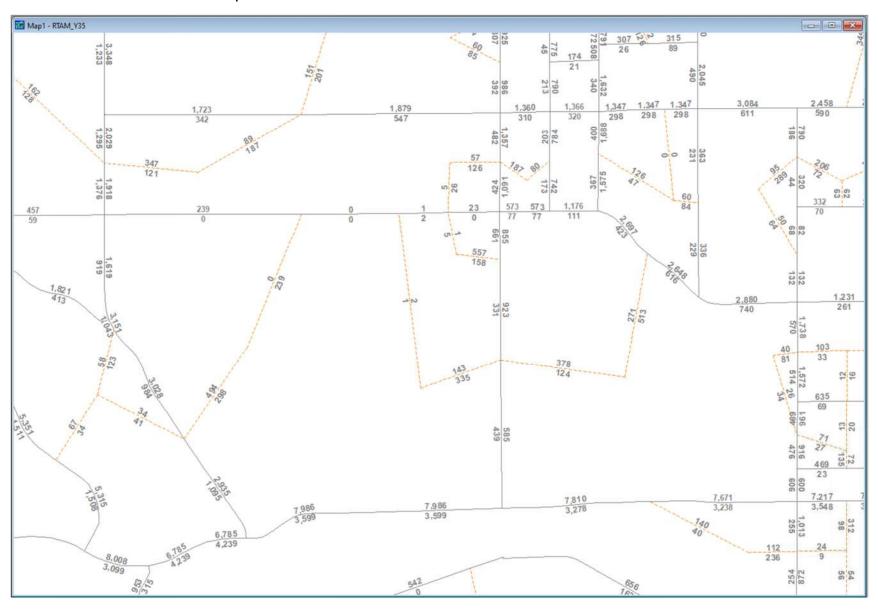
### 2012 Build PM Model Outputs



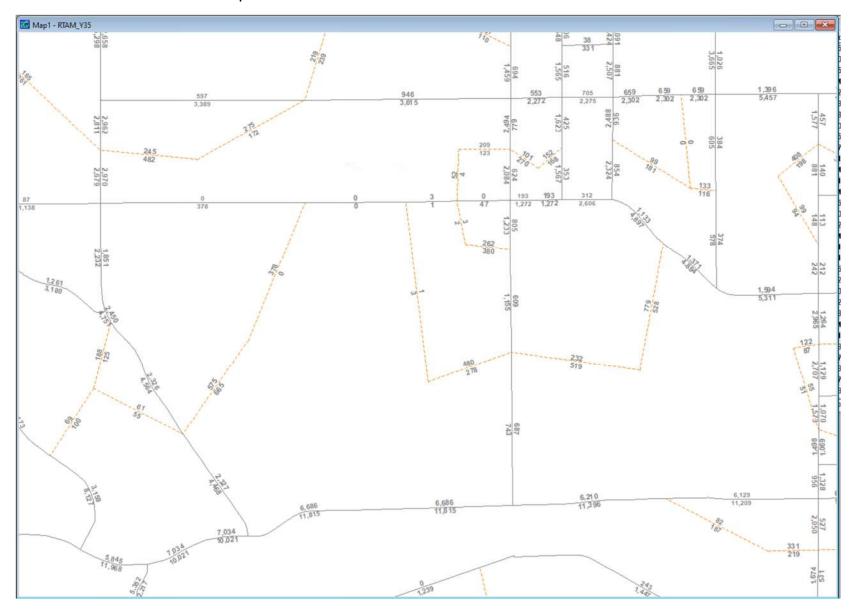
### 2012 Build ADT Model Outputs



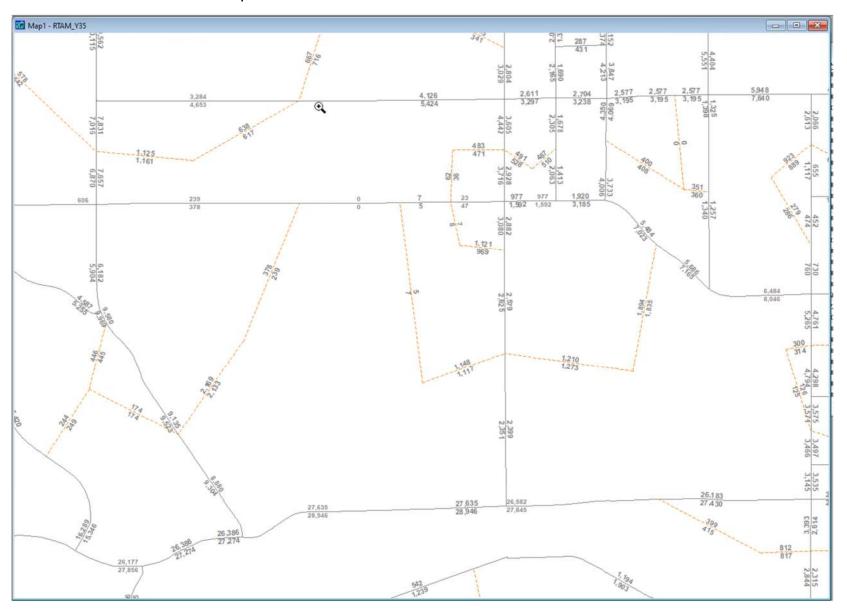
### 2040 No Build AM Model Outputs



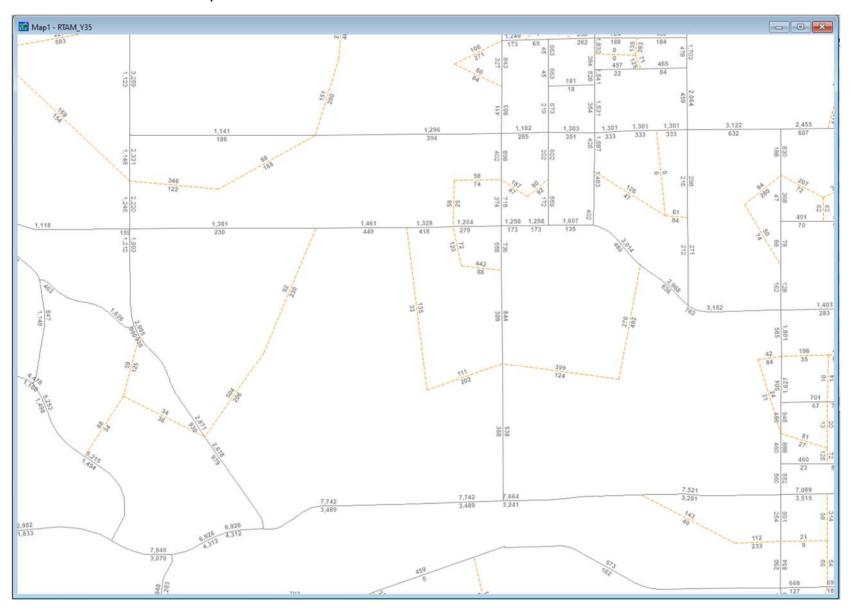
### 2040 No Build PM Model Outputs



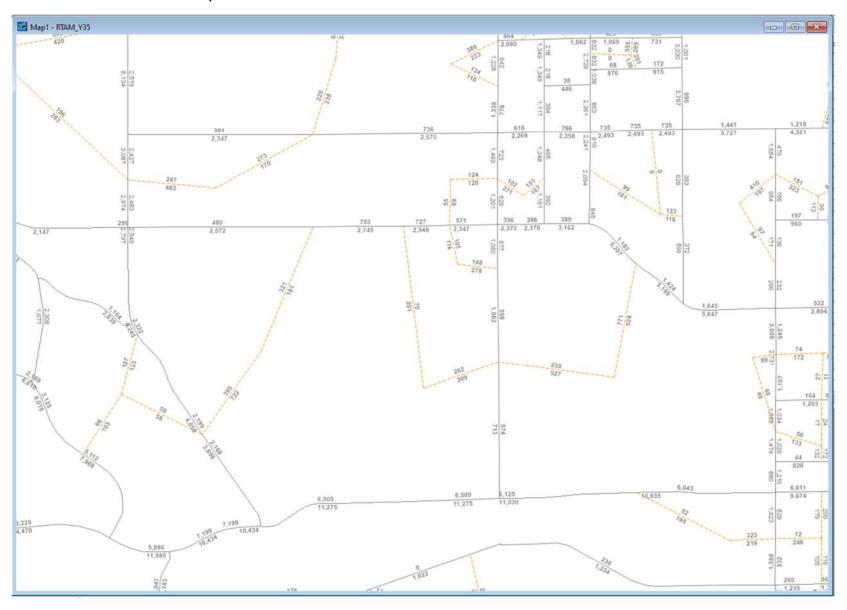
### 2040 No Build ADT Model Outputs



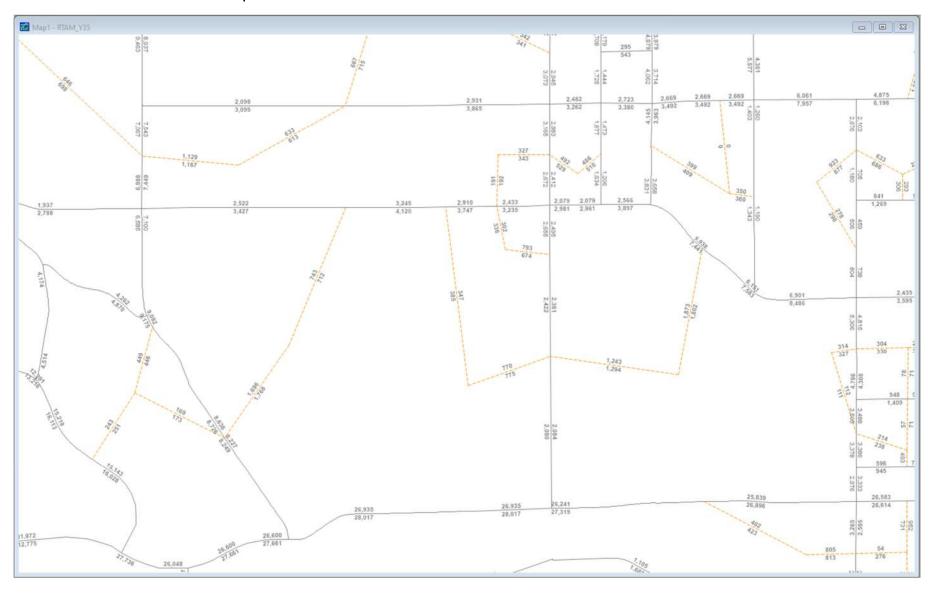
### 2040 Build AM Model Outputs



### 2040 Build PM Model Outputs



### 2040 No Build ADT Model Outputs



	No Build - 2012						
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp			
3120	48464	10570	19.2699	21.8387			
3121	0	0	0.0000	0.0000			
3122	190	1554	31.6532	21.0052			
3123	32437	6993	19.4932	19.9802			
3124	0	0	0.0000	0.0000			
3125	0	9788	0.0000	21.4656			
3126	6409	444	12.9732	17.7780			
3127	74825	13458	18.1968	19.5040			
3128	81919	669	15.9283	12.1558			
3129	0	7911	0.0000	19.9779			
3130	197	803	14.0378	19.5800			
3131	20905	11021	11.1730	15.7671			
3132	0	26728	0.0000	19.9758			
3133	0	43633	0.0000	16.4592			
3134	38344	2450	12.7557	13.1728			
3135	71469	2897	15.6353	15.5751			
3136	33978	548	15.6508	13.7098			
3137	76032	4488	18.0643	18.0254			
3138	45092	1562	14.7503	15.4641			
3139	4082	328	24.2957	18.2005			
3140	37884	1747	15.0213	14.9316			
3141	133	4589	44.4286	13.6976			
3142	85090	45	13.1515	4.4677			
3143	22	46601	3.1004	15.8670			
3144	69049	14412	11.5990	14.4406			
3145	32701	1422	14.7368	15.8001			
3146	26298	11576	7.6449	11.0986			
3147	49996	1386	14.4041	16.5008			
3148	17737	10643	7.4463	7.9547			
3149	115217	4357	14.4781	11.0027			
3150	11891	1167	14.6804	16.2124			
3151	1815	11651	9.2580	16.7403			
3152	28915	1978	13.7561	14.7612			
3153	103474	3209	15.5040	13.7119			
3154	28477	143	14.3246	11.8886			
3155	17446	1428	13.0290	16.2258			
3156	24395	455	11.5947	11.3640			
3157	38005	3324	14.0238	12.4972			
3158	78158	754	14.8477	10.7781			

Build - 2012							
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp				
48472	10566	19.2732	21.8297				
0	0	0.0000	0.0000				
190	1554	31.6440	21.0004				
32444	6991	19.4977	19.9753				
0	0	0.0000	0.0000				
0	9788	0.0000	21.4651				
6408	444	12.9707	17.7754				
74842	13454	18.2009	19.4980				
81878	669	15.9202	12.1563				
0	7914	0.0000	19.9859				
196	803	14.0319	19.5790				
20901	11021	11.1709	15.7664				
0	26727	0.0000	19.9756				
0	43635	0.0000	16.4597				
38340	2450	12.7544	13.1728				
71459	2897	15.6332	15.5735				
33986	548	15.6545	13.7067				
76052	4491	18.0689	18.0347				
45075	1562	14.7449	15.4638				
4073	328	24.2461	18.2039				
37873	1747	15.0172	14.9276				
133	4592	44.4296	13.7072				
85066	45	13.1478	4.4675				
22	46618	3.0991	15.8726				
69030	14413	11.5958	14.4422				
32607	1422	14.6945	15.8042				
26296	11576	7.6441	11.0988				
49854	1386	14.3631	16.5004				
17737	10644	7.4461	7.9551				
115199	4356	14.4759	11.0006				
11888	1167	14.6762	16.2119				
1815	11623	9.2579	16.6991				
28849	1979	13.7245	14.7651				
103243	3209	15.4695	13.7145				
28469	143	14.3206	11.8868				
17442	1428	13.0263	16.2249				
24387	455	11.5907	11.3633				
38006	3324	14.0242	12.4956				
78150	754	14.8461	10.7768				

		No Build -	2012	
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3159	14476	4785	6.9662	12.0826
3160	16322	37598	7.6666	12.5326
3161	28263	5094	11.5077	14.8962
3162	24751	4311	15.0921	17.5246
3163	48967	5108	10.4564	11.2027
3164	50812	15849	13.6739	13.2076
3165	94438	1155	15.4614	14.0912
3166	2658	4886	14.5269	14.6716
3167	6112	2516	10.6479	12.5790
3168	15375	13891	8.3833	13.8915
3169	0	14779	0.0000	14.7790
3170	27161	3803	13.8292	12.7179
3171	15471	314	17.1142	14.2780
3172	17346	669	13.8108	9.8313
3173	23574	673	9.3511	11.0268
3174	10037	30637	7.6270	14.6939
3175	60865	1202	14.6310	10.4484
3176	8649	51479	2.0190	18.5308
3177	9625	7358	10.5771	16.0665
3178	7150	12588	7.7049	12.8971
3179	5423	23103	11.4644	15.7162
3180	33631	4949	13.3668	14.5548
3181	0	4049	0.0000	13.2741
3182	12801	20444	9.2693	14.6237
3183	6398	25765	11.9595	14.6808
3184	1452	20300	14.5233	14.5207
3185	12725	7033	10.9987	13.3713
3186	9290	7989	14.7231	17.7526
3187	39198	3480	13.4331	13.3861
3188	10962	15791	7.5912	14.8275
3189	39356	5408	11.5787	14.2698
3190	19687	314	15.0052	13.0760
3191	8141	12500	6.8009	13.1445
3192	58026	2741	13.8322	12.5145
3193	10061	1757	12.8495	13.8349
3194	3943	37486	13.5042	16.5064
3195	135	14561	44.8664	18.8124
3196	24900	4097	13.4232	15.4026
3197	16870	8961	11.3147	13.2958

Build - 2012							
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp				
14475	4786	6.9657	12.0856				
16320	37589	7.6657	12.5296				
28251	5095	11.5027	14.8981				
24757	4311	15.0956	17.5244				
48960	5108	10.4548	11.2022				
50687	15852	13.6401	13.2101				
94425	1155	15.4592	14.0891				
2653	4887	14.4962	14.6748				
6111	2516	10.6461	12.5784				
15374	13891	8.3826	13.8911				
0	14757	0.0000	14.7572				
27157	3802	13.8274	12.7163				
15528	314	17.1770	14.2807				
17347	668	13.8114	9.8299				
23572	673	9.3503	11.0264				
10036	30638	7.6264	14.6944				
60738	1201	14.6006	10.4444				
8649	51479	2.0188	18.5310				
9626	7358	10.5776	16.0664				
7149	12587	7.7041	12.8965				
5423	23102	11.4647	15.7157				
33561	4950	13.3390	14.5583				
0	4048	0.0000	13.2731				
12798	20443	9.2674	14.6232				
6381	25769	11.9265	14.6835				
1452	20301	14.5234	14.5218				
12724	7033	10.9971	13.3716				
9291	7989	14.7249	17.7525				
39188	3480	13.4297	13.3846				
10961	15794	7.5904	14.8298				
39344	5408	11.5750	14.2694				
19761	314	15.0614	13.0788				
8140	12500	6.8003	13.1438				
58010	2740	13.8283	12.5093				
10038	1757	12.8195	13.8377				
3942	37486	13.5005	16.5065				
135	14560	44.8654	18.8113				
24877	4098	13.4108	15.4059				
16869	8959	11.3136	13.2928				

		No Build -	2012	
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3198	1128	41088	13.4310	15.0339
3199	653	3965	50.2525	17.0897
3200	0	0	0.0000	0.0000
3201	4476	161	23.8099	17.8428
3202	65737	23696	9.5175	13.1061
3203	62866	1471	16.1320	15.3267
3204	0	13184	0.0000	19.2750
3205	60119	2654	14.3004	14.1167
3206	36035	948	17.6554	12.4702
3207	55376	1029	14.5115	11.5568
3208	3665	14888	7.8655	15.1765
3209	62981	21251	13.0992	15.8236
3210	21998	10299	12.8719	13.8053
3211	22565	7920	11.0343	18.1651
3212	14038	4172	13.5499	13.8599
3213	45787	21107	11.3223	14.0618
3214	8516	11404	8.2841	14.9468
3215	0	0	0.0000	0.0000
3216	12891	7569	12.6131	15.1678
3217	39070	24019	11.9921	14.6366
3218	41345	2386	12.3162	16.1201
3219	24035	10375	13.7110	16.1351
3220	0	6684	0.0000	19.7757
3221	411	2515	15.7909	18.7713
3222	17977	6239	15.7006	12.0669
3223	0	81	0.0000	16.2290
3224	0	6347	0.0000	15.5569
3225	5091	95	16.8009	15.7783
3226	0	23509	0.0000	15.7675
3227	0	3432	0.0000	17.4206
3228	21848	61357	11.3731	17.1101
3229	10687	7053	15.6465	16.5570
3230	62	0	12.4751	0.0000
3231	84830	5258	12.6915	14.8116
3232	66112	5555	16.6949	17.6922
3233	2296	8337	10.9315	16.3154
3234	4184	132	15.0516	14.6226
3235	0	17249	0.0000	19.5571
3236	208	0	16.0227	0.0000

	Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
1128	41090	13.4305	15.0349		
653	3965	50.2366	17.0899		
0	0	0.0000	0.0000		
4471	161	23.7840	17.8404		
65709	23696	9.5134	13.1063		
63031	1472	16.1742	15.3292		
0	13183	0.0000	19.2730		
60012	2654	14.2749	14.1190		
36025	947	17.6507	12.4639		
55280	1028	14.4865	11.5560		
3664	14889	7.8637	15.1773		
62972	21251	13.0974	15.8237		
21985	10299	12.8641	13.8055		
22563	7921	11.0335	18.1666		
14007	4173	13.5204	13.8624		
45758	21107	11.3150	14.0618		
8515	11405	8.2832	14.9477		
0	0	0.0000	0.0000		
12889	7569	12.6119	15.1679		
39028	24023	11.9791	14.6393		
41340	2386	12.3145	16.1200		
24027	10375	13.7063	16.1353		
0	6684	0.0000	19.7758		
411	2515	15.7914	18.7682		
17973	6237	15.6972	12.0646		
0	81	0.0000	16.2286		
0	6360	0.0000	15.5872		
5075	95	16.7477	15.7639		
0	23553	0.0000	15.7970		
0	3433	0.0000	17.4288		
21846	61357	11.3721	17.1101		
10677	7053	15.6331	16.5571		
62	0	12.4719	0.0000		
84784	5268	12.6847	14.8387		
65967	5555	16.6582	17.6906		
2295	8353	10.9290	16.3458		
4176	132	15.0209	14.6239		
0	17249	0.0000	19.5562		
208	0	16.0326	0.0000		

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3237	17150	6370	16.2402	18.9035	
3238	13936	7719	13.9922	16.3199	
3239	0	11811	0.0000	18.3965	
3240	73543	11288	13.0049	14.9907	
3241	4709	1934	11.7715	15.2304	
3242	22926	4625	17.5409	20.1073	
3243	66870	4996	15.0270	15.4686	
3244	2356	0	17.7148	0.0000	
3245	0	37314	0.0000	17.5597	
3246	26022	24793	10.3508	14.7314	
3247	22634	1231	8.8553	13.2359	
3248	26580	5431	10.9248	15.9745	
3249	36188	3778	13.3978	15.4199	
3250	0	176	0.0000	15.9846	
3251	7223	913	9.0404	12.6756	
3252	34539	4024	12.8159	16.7647	
3253	9897	36652	13.7079	16.8050	
3254	151740	10421	22.9526	21.4429	
3255	6058	4122	20.1259	14.7729	
3256	69151	955	14.1212	11.6446	
3257	0	12335	0.0000	17.0606	
3258	18462	991	6.2605	14.5717	
3259	51739	22458	13.2733	23.9685	
3260	35645	12446	10.4745	16.5070	
3261	36271	4067	10.0391	13.9286	
3262	39720	22902	10.8198	14.1108	
3263	577	27251	12.5338	20.4128	
3264	23669	2357	14.6287	15.7108	
3265	3438	24245	13.8091	13.9181	
3266	9560	65322	15.4691	19.4933	
3267	40511	7061	11.4796	13.8451	
3268	0	0	0.0000	0.0000	
3269	31193	31954	16.1290	19.2726	
3270	2358	129	17.8654	16.0815	
3271	36410	5497	8.3759	15.2276	
3272	3789	587	10.7031	13.6583	
3273	23827	2318	8.8708	10.3464	
3274	3089	758	11.8365	15.7954	
3275	17698	1155	10.7717	15.8248	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
17147	6369	16.2379	18.8997	
13903	7718	13.9591	16.3172	
0	11811	0.0000	18.3975	
73570	11287	13.0097	14.9895	
4706	1934	11.7654	15.2279	
22923	4624	17.5383	20.1053	
66817	4997	15.0151	15.4704	
2354	0	17.6980	0.0000	
0	37330	0.0000	17.5671	
26033	24835	10.3550	14.7566	
22632	1233	8.8546	13.2569	
26579	5431	10.9243	15.9726	
36176	3778	13.3936	15.4214	
0	176	0.0000	15.9819	
7223	914	9.0394	12.6956	
34600	4023	12.8385	16.7619	
9892	36644	13.7002	16.8013	
151533	10420	22.9214	21.4410	
6057	4128	20.1239	14.7946	
69148	955	14.1205	11.6435	
0	12335	0.0000	17.0604	
18461	992	6.2602	14.5936	
51741	22458	13.2738	23.9684	
35672	12441	10.4824	16.4999	
36278	4067	10.0411	13.9286	
39716	22900	10.8189	14.1095	
577	27251	12.5338	20.4130	
23661	2357	14.6235	15.7121	
3438	24247	13.8074	13.9188	
9558	65339	15.4660	19.4985	
40499	7060	11.4760	13.8437	
0	0	0.0000	0.0000	
31174	31950	16.1191	19.2699	
2355	129	17.8402	16.0795	
36408	5499	8.3753	15.2335	
3788	587	10.7006	13.6554	
23826	2317	8.8703	10.3454	
3098	758	11.8702	15.7917	
17709	1155	10.7786	15.8238	

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3276	7756	5594	10.0464	14.7213	
3277	61534	4143	19.3808	17.8584	
3278	19933	1380	9.1562	12.7823	
3279	26557	4987	11.9949	15.6317	
3280	5605	3946	11.5798	13.2875	
3281	29633	2606	11.5754	13.8618	
3282	12311	303	10.2165	9.4769	
3283	10458	1435	11.5939	12.5870	
3284	11822	738	8.7505	13.6656	
3285	12	2551	2.9421	19.4741	
3286	33492	648	14.7410	17.9919	
3287	4666	605	9.2771	12.1065	
3288	8366	390	10.4310	11.8242	
3289	35963	5085	10.5743	15.5502	
3290	6603	1159	11.0050	11.7118	
3291	30475	2749	11.8348	11.9003	
3292	40301	15542	10.1464	12.7811	
3293	10450	870	8.5940	11.5945	
3294	16309	5251	9.9690	11.3908	
3295	19508	429	10.7777	9.7405	
3296	85733	4408	23.2213	23.3210	
3297	27788	5627	12.0501	13.1775	
3298	30038	5640	13.8872	16.7367	
3299	33429	3339	17.2492	18.4485	
3300	32150	19411	10.0942	16.5062	
3301	19873	7942	10.3130	14.7622	
3302	25921	5452	10.7602	12.3915	
3303	7314	2368	8.5943	12.4625	
3304	8129	725	7.5686	10.5130	
3305	20207	4605	9.4912	11.9929	
3306	9005	1289	9.0961	11.0171	
3307	13697	13520	6.9706	11.6347	
3308	15889	962	9.0074	12.6535	
3309	112	45	27.9047	14.8449	
3310	12922	2987	9.9018	16.1470	
3311	69486	2485	14.5277	15.0610	
3312	404	69	11.5379	17.1633	
3313	21253	50234	7.3462	11.2482	
3314	1074	0	14.3236	0.0000	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
7755	5594	10.0460	14.7213	
61516	4143	19.3751	17.8564	
19930	1380	9.1546	12.7822	
26555	4987	11.9943	15.6320	
5604	3947	11.5786	13.2890	
29674	2606	11.5916	13.8605	
12310	303	10.2154	9.4760	
10456	1435	11.5924	12.5888	
11821	738	8.7495	13.6684	
12	2551	2.9424	19.4721	
33469	648	14.7310	17.9899	
4669	605	9.2832	12.1050	
8364	390	10.4287	11.8257	
35962	5085	10.5739	15.5512	
6602	1160	11.0037	11.7130	
30471	2749	11.8333	11.9008	
40295	15543	10.1448	12.7818	
10449	870	8.5928	11.5949	
16305	5251	9.9664	11.3902	
19508	429	10.7777	9.7403	
85684	4407	23.2079	23.3179	
27788	5625	12.0502	13.1735	
30036	5640	13.8862	16.7370	
33396	3339	17.2323	18.4467	
32149	19412	10.0938	16.5069	
19904	7939	10.3289	14.7570	
25911	5454	10.7557	12.3947	
7315	2368	8.5958	12.4656	
8128	725	7.5682	10.5130	
20206	4606	9.4909	11.9956	
9005	1289	9.0958	11.0175	
13696	13520	6.9701	11.6349	
15886	962	9.0056	12.6567	
112	45	27.8774	14.8439	
12919	2988	9.9000	16.1522	
69475	2486	14.5254	15.0644	
403	69	11.5238	17.1629	
21247	50243	7.3441	11.2501	
1074	0	14.3204	0.0000	

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3315	25781	7131	7.3617	12.3163	
3316	35877	722	12.7539	13.1283	
3317	40992	10418	10.7564	13.3057	
3318	28752	4513	8.4990	12.0023	
3319	21131	4706	13.0360	16.3965	
3320	0	19926	0.0000	15.1295	
3321	33734	789	7.4059	8.1348	
3322	15461	9305	5.0412	10.7450	
3323	22121	4767	9.9959	15.8901	
3324	30355	7493	7.1423	10.9381	
3325	69150	10336	12.6279	13.2169	
3326	12191	12915	7.9991	10.6738	
3327	18454	1656	8.0131	10.4833	
3328	22862	476	7.9000	9.5223	
3329	20981	15975	7.4851	9.1080	
3330	6130	8624	33.8697	23.9558	
3331	27809	5226	9.3601	12.9042	
3332	0	7485	0.0000	9.9538	
3333	40283	28820	11.9287	13.4236	
3334	20327	5278	8.8999	12.8744	
3335	11805	51316	5.6644	13.1513	
3336	32547	7628	8.9958	11.5402	
3337	8439	1587	21.0453	20.8787	
3338	5206	16	13.5561	8.0420	
3339	8628	47671	7.0318	10.1471	
3340	6701	0	37.4376	0.0000	
3341	8151	7951	6.8839	12.0655	
3342	1799	6503	11.5297	14.6803	
3343	7285	1734	11.4910	15.2101	
3344	19176	9690	10.0663	15.4785	
3345	25326	9851	9.9709	14.0929	
3346	26576	9394	7.7934	10.4846	
3347	12212	5263	7.1333	10.4836	
3348	446	24478	37.1916	16.6519	
3349	35124	7446	8.0229	14.2914	
3350	63887	1067	14.8437	14.0342	
3351	32173	711	16.5498	14.5000	
3352	2995	189	13.0770	15.7096	
3353	15405	6285	11.7596	17.0786	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
25779	7131	7.3613	12.3166	
35942	722	12.7770	13.1298	
40988	10419	10.7551	13.3066	
28750	4512	8.4984	11.9993	
21130	4706	13.0349	16.3969	
0	19924	0.0000	15.1286	
33731	789	7.4053	8.1327	
15461	9305	5.0411	10.7449	
22119	4767	9.9952	15.8897	
30352	7491	7.1417	10.9360	
69147	10332	12.6272	13.2127	
12190	12912	7.9984	10.6713	
18452	1656	8.0123	10.4831	
22865	476	7.9009	9.5193	
20979	15976	7.4846	9.1084	
6122	8623	33.8255	23.9537	
27806	5226	9.3592	12.9037	
0	7485	0.0000	9.9540	
40228	28804	11.9123	13.4161	
20330	5278	8.9010	12.8727	
11805	51313	5.6647	13.1504	
32544	7628	8.9951	11.5398	
8429	1586	21.0200	20.8748	
5214	16	13.5780	8.0418	
8627	47670	7.0313	10.1469	
6700	0	37.4294	0.0000	
8148	7951	6.8814	12.0650	
1798	6503	11.5282	14.6784	
7285	1734	11.4905	15.2100	
19168	9688	10.0620	15.4767	
25327	9848	9.9712	14.0892	
26576	9394	7.7935	10.4844	
12211	5263	7.1325	10.4836	
446	24480	37.1907	16.6533	
35119	7446	8.0218	14.2911	
63970	1067	14.8630	14.0342	
32252	710	16.5907	14.4998	
2995	189	13.0770	15.7095	
15402	6285	11.7573	17.0788	

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3354	17430	1009	8.7899	7.7654	
3355	5902	17476	10.8894	15.1434	
3356	20654	5457	10.3632	13.3104	
3357	102083	6439	13.6859	13.3028	
3358	13487	4886	8.7407	11.8019	
3359	8224	3172	9.8840	12.4864	
3360	29052	8107	10.3057	16.3775	
3361	15969	12016	7.1323	8.5037	
3362	10845	9065	9.3896	13.3501	
3363	17537	2521	8.8974	11.6717	
3364	1351	632	13.6444	17.5632	
3365	24911	2662	14.6621	16.1312	
3366	2263	692	13.9673	17.2896	
3367	2534	3503	8.2258	12.0378	
3368	38265	1699	13.2727	14.5223	
3369	5367	65	10.0695	10.7869	
3370	13483	4565	6.4297	13.1558	
3371	166238	529	29.4330	5.1905	
3372	6298	11126	26.2435	23.2762	
3373	40295	2137	29.0517	12.8744	
3374	17563	2303	7.8900	10.7099	
3375	474	2249	8.4584	14.8956	
3376	13238	9097	4.6909	11.9384	
3377	41210	6904	9.7056	8.3285	
3378	49927	9131	11.3086	14.2899	
3379	9069	59	12.2561	11.7239	
3380	23186	2415	8.1757	8.0760	
3381	1143	108	16.3254	15.3977	
3382	15832	253	8.6943	9.0464	
3383	23808	2668	9.6507	14.1906	
3384	969	82	29.3493	20.4089	
3385	13908	1696	14.6396	17.3066	
3386	938	9	29.2972	9.3512	
3387	12046	22191	7.9828	13.9917	
3388	850	0	10.9026	0.0000	
3389	38977	3529	29.9822	18.3801	
3390	29800	13791	8.3357	14.2324	
3391	18841	1924	9.5302	11.8065	
3392	6445	239	10.3959	13.2987	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
17424	1009	8.7869	7.7651	
5901	17474	10.8879	15.1424	
20651	5457	10.3617	13.3096	
102079	6438	13.6854	13.3014	
13482	4887	8.7377	11.8034	
8223	3172	9.8830	12.4869	
29050	8107	10.3051	16.3785	
15968	12014	7.1317	8.5026	
10844	9064	9.3890	13.3488	
17535	2520	8.8966	11.6682	
1350	632	13.6367	17.5624	
24880	2661	14.6438	16.1295	
2262	692	13.9630	17.2890	
2533	3503	8.2250	12.0366	
38265	1699	13.2727	14.5209	
5366	65	10.0683	10.7865	
13482	4564	6.4292	13.1540	
166163	529	29.4199	5.1902	
6296	11125	26.2316	23.2750	
40280	2136	29.0412	12.8673	
17561	2303	7.8891	10.7094	
474	2249	8.4573	14.8950	
13233	9095	4.6894	11.9359	
41201	6904	9.7035	8.3282	
49933	9130	11.3098	14.2879	
9068	59	12.2543	11.7233	
23184	2415	8.1750	8.0759	
1142	108	16.3214	15.3969	
15831	253	8.6937	9.0463	
23809	2667	9.6509	14.1883	
968	82	29.3295	20.4067	
13907	1696	14.6388	17.3070	
937	9	29.2899	9.3509	
12045	22189	7.9820	13.9905	
851	0	10.9039	0.0000	
38956	3529	29.9661	18.3786	
29799	13790	8.3353	14.2308	
18839	1924	9.5288	11.8063	
6445	239	10.3945	13.2980	

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3393	1350	1196	13.2394	16.8400	
3394	21750	20812	9.0061	12.1637	
3395	28837	2568	9.8588	12.4637	
3396	0	24732	0.0000	16.0491	
3397	225	211	10.2377	14.0854	
3398	53642	6861	13.2908	16.2974	
3399	56900	2289	13.4580	12.6487	
3400	21749	1684	8.1578	10.5924	
3401	14826	6885	8.6400	10.0223	
3402	15121	2005	7.0856	11.4579	
3403	20298	761	10.7511	9.8822	
3404	42754	84	28.5980	5.2583	
3405	3088	20941	10.3979	17.5237	
3406	55707	1128	18.8264	15.8927	
3407	2185	1005	14.4694	15.9545	
3408	30876	9704	8.3178	11.8201	
3409	11297	11135	7.6589	15.8396	
3410	541	325	13.8719	14.1341	
3411	9240	35	37.2568	5.8274	
3412	11448	2258	9.7427	11.4596	
3413	37479	14145	11.4508	21.4316	
3414	6282	2517	8.0747	12.9766	
3415	24128	19106	10.9226	12.4957	
3416	1936	7325	5.9563	12.6727	
3417	9119	10626	7.3661	12.9268	
3418	26924	3174	11.9981	11.0979	
3419	69360	542	25.4345	3.3263	
3420	20084	5683	7.6862	14.0656	
3421	8300	16119	8.4435	11.7229	
3422	4000	41	23.6674	5.9055	
3423	1824	968	16.1406	16.6818	
3424	1314	1441	11.8362	16.3711	
3425	0	0	0.0000	0.0000	
3426	15280	8557	10.7833	13.3698	
3427	6402	0	7.2176	0.0000	
3428	67546	1271	26.4886	7.1387	
3429	67566	545	25.8478	5.8579	
3430	5401	116	24.6611	16.5114	
3431	13868	70778	10.0419	13.7566	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
1350	1196	13.2371	16.8392	
21748	20811	9.0053	12.1632	
28835	2568	9.8581	12.4642	
0	24732	0.0000	16.0490	
225	211	10.2359	14.0852	
53662	6861	13.2959	16.2970	
56911	2289	13.4604	12.6477	
21747	1684	8.1573	10.5929	
14825	6885	8.6392	10.0218	
15119	2005	7.0848	11.4575	
20297	761	10.7505	9.8819	
42744	84	28.5912	5.2568	
3088	20939	10.3972	17.5221	
55701	1128	18.8244	15.8916	
2185	1005	14.4674	15.9539	
30877	9704	8.3180	11.8201	
11296	11134	7.6584	15.8384	
541	325	13.8702	14.1332	
9238	35	37.2507	5.8272	
11447	2257	9.7425	11.4593	
37477	14144	11.4504	21.4306	
6282	2517	8.0747	12.9754	
24124	19105	10.9208	12.4949	
1936	7325	5.9558	12.6723	
9119	10627	7.3658	12.9279	
26921	3175	11.9970	11.0997	
69339	542	25.4269	3.3255	
20085	5682	7.6866	14.0650	
8299	16119	8.4427	11.7227	
3999	41	23.6611	5.9042	
1820	968	16.1059	16.6811	
1314	1441	11.8348	16.3699	
0	0	0.0000	0.0000	
15284	8557	10.7858	13.3703	
6401	0	7.2168	0.0000	
67513	1271	26.4759	7.1383	
67545	545	25.8398	5.8575	
5396	116	24.6395	16.5104	
13866	70776	10.0407	13.7562	

	No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3432	7355	1815	12.3206	14.9985	
3433	0	0	0.0000	0.0000	
3434	3379	6424	9.5176	17.3617	
3435	3159	184	10.9698	15.3673	
3436	23166	859	21.6910	19.0967	
3437	20761	16	26.2466	1.7636	
3438	16357	6337	10.4120	12.9590	
3439	29511	22454	8.7987	12.2499	
3440	80770	104	25.2013	2.9720	
3441	25515	14	25.2879	1.4286	
3442	7794	1272	8.8773	11.5619	
3443	96750	363	22.1294	2.5197	
3444	17737	29514	8.8638	11.3122	
3445	10582	5157	9.4823	15.5318	
3446	6249	1675	9.3967	21.1990	
3447	27797	2206	15.9024	14.1440	
3448	3492	43167	12.0821	15.2803	
3449	2541	0	25.6618	0.0000	
3450	15809	3111	8.5548	9.9379	
3451	157	4029	11.2079	14.8136	
3452	48873	1706	16.2639	15.6485	
3453	3507	67405	17.1936	24.8911	
3454	29534	3263	11.9957	19.1967	
3455	46351	1281	20.0394	5.6668	
3456	2771	169	20.8343	16.9436	
3457	950	11817	11.8812	14.5356	
3458	10268	498	26.1268	22.6239	
3459	5725	21833	9.1311	11.0717	
3460	116	89	38.6574	14.8496	
3461	17060	9184	11.5114	12.7204	
3462	2197	21469	8.1678	18.7828	
3463	532	0	28.0037	0.0000	
3464	2323	4132	7.9554	12.5199	
3465	54238	3601	20.3215	9.8924	
3466	28808	791	13.6013	14.1274	
3467	122	2829	20.3288	12.0377	
3468	4796	226	10.5878	15.0414	
3469	4219	6	31.0206	2.8719	
3470	435	15584	9.4501	17.6690	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
7355	1815	12.3192	14.9989	
0	0	0.0000	0.0000	
3379	6423	9.5179	17.3586	
3160	184	10.9726	15.3662	
23143	859	21.6698	19.0947	
20755	16	26.2390	1.7635	
16357	6337	10.4119	12.9583	
29507	22453	8.7976	12.2495	
80700	104	25.1795	2.9714	
25494	14	25.2669	1.4283	
7794	1272	8.8764	11.5617	
96740	363	22.1271	2.5195	
17731	29517	8.8609	11.3134	
10581	5156	9.4812	15.5313	
6249	1674	9.3964	21.1935	
27783	2206	15.8940	14.1426	
3491	43170	12.0805	15.2815	
2539	0	25.6502	0.0000	
15808	3110	8.5540	9.9369	
157	4030	11.2058	14.8147	
48865	1706	16.2612	15.6479	
3507	67397	17.1926	24.8883	
29532	3263	11.9950	19.1928	
46347	1281	20.0377	5.6668	
2769	169	20.8159	16.9427	
950	11815	11.8798	14.5323	
10265	498	26.1191	22.6199	
5725	21833	9.1306	11.0715	
116	89	38.6198	14.8479	
17059	9184	11.5108	12.7202	
2197	21471	8.1677	18.7844	
531	0	27.9720	0.0000	
2323	4131	7.9548	12.5188	
54218	3601	20.3139	9.8922	
28815	791	13.6047	14.1268	
122	2829	20.3275	12.0368	
4797	226	10.5892	15.0408	
4215	6	30.9950	2.8717	
435	15585	9.4499	17.6702	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3471	27965	1562	22.8101	10.7006
3472	3910	2594	5.1376	13.9487
3473	6158	1487	11.7518	15.0194
3474	153	68766	0.1414	17.9546
3475	224	6	20.3244	5.5950
3476	6261	248	7.8848	10.7896
3477	9	31205	2.8622	17.6396
3478	2376	871	7.4962	14.0541
3479	3192	1666	15.5696	14.6183
3480	24	8247	0.1695	11.6985
3481	20320	52	22.1353	4.7100
3482	9171	2269	7.3843	16.9299
3483	5153	15836	6.9356	11.8354
3484	12699	1148	18.4574	14.9031
3485	15419	4857	15.5433	14.4139
3486	4501	8589	8.3813	17.1788
3487	7801	160	22.1003	13.2950
3488	58373	30811	11.6675	14.4519
3489	6533	4917	7.0168	12.6084
3490	43286	1672	18.3803	14.9287
3491	3557	7984	6.4433	13.6707
3492	10111	4436	23.2965	13.4823
3493	978	0	36.2380	0.0000
3494	1106	33	25.1434	6.6643
3495	0	11242	0.0000	14.1943
3496	13657	257	8.9261	9.1751
3497	13554	3299	13.0448	14.3425
3498	14492	9559	8.9678	20.5562
3499	6834	959	7.1260	12.7845
3500	7678	901	6.9861	14.0747
3501	16744	10	21.8309	5.1332
3502	10538	275	22.8085	10.1836
3503	9813	494	18.5156	15.9498
3504	23725	224	19.7055	12.4578
3505	16863	5075	12.4084	15.1961
3506	4623	1545	7.7175	11.2755
3507	1868	0	19.6633	0.0000
3508	19013	3339	9.6906	13.6846
3509	9730	2773	6.7008	15.8480

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
27909	1562	22.7644	10.7006	
3910	2594	5.1379	13.9478	
6157	1487	11.7499	15.0194	
153	68721	0.1414	17.9427	
224	6	20.3189	5.5949	
6260	248	7.8844	10.7905	
9	31201	2.8637	17.6378	
2376	871	7.4959	14.0529	
3189	1666	15.5581	14.6168	
24	8247	0.1695	11.6976	
20314	52	22.1286	4.7099	
9171	2269	7.3839	16.9314	
5153	15835	6.9354	11.8348	
12700	1148	18.4595	14.9032	
15409	4857	15.5331	14.4122	
4501	8588	8.3818	17.1756	
7794	160	22.0801	13.2944	
58372	30805	11.6674	14.4488	
6532	4914	7.0164	12.5991	
43300	1672	18.3862	14.9279	
3557	7982	6.4430	13.6683	
10108	4434	23.2908	13.4784	
978	0	36.2302	0.0000	
1106	33	25.1272	6.6639	
0	11241	0.0000	14.1930	
13656	257	8.9253	9.1759	
13552	3299	13.0434	14.3414	
14490	9556	8.9668	20.5514	
6834	959	7.1257	12.7864	
7677	901	6.9856	14.0744	
16747	10	21.8345	5.1324	
10528	275	22.7888	10.1828	
9813	494	18.5160	15.9481	
23729	224	19.7088	12.4573	
16863	5075	12.4080	15.1961	
4623	1545	7.7171	11.2742	
1868	0	19.6623	0.0000	
19013	3339	9.6904	13.6830	
9730	2774	6.7009	15.8512	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3510	28350	1329	17.0990	15.4542
3511	3741	5594	467.6186	12.2953
3512	5208	5880	16.5335	14.4109
3513	11383	680	24.2703	12.5868
3514	1204	27021	5.5486	15.5201
3515	13446	7252	12.1794	18.2219
3516	30579	849	19.3047	14.6299
3517	15059	1704	12.0759	9.8491
3518	2887	1005	14.2198	14.5697
3519	23710	705	25.0896	21.3680
3520	21543	5179	6.0093	11.0661
3521	42331	1826	20.3320	12.3375
3522	6736	249	25.6140	20.7328
3523	4183	2628	11.2143	11.2772
3524	14291	2925	12.3734	13.1185
3525	31574	2163	8.1083	11.4444
3526	85651	207	25.1545	2.3532
3527	12703	1645	10.0820	18.4854
3528	0	6844	0.0000	16.0665
3529	34300	108	25.2204	2.9252
3530	23899	518	16.5619	10.7867
3531	18506	6148	10.4791	18.0294
3532	1785	2697	8.1156	11.6767
3533	6778	24425	376.5692	14.3173
3534	1152	62	19.1976	12.3930
3535	36636	2024	15.1199	14.5599
3536	7	948	1.4912	14.1472
3537	7332	11840	7.6697	11.6646
3538	4825	12229	3.6523	10.9387
3539	1971	17091	10.5942	17.7660
3540	0	19924	0.0000	14.9133
3541	0	2012	0.0000	17.4941
3542	18878	11054	9.5975	16.1374
3543	33678	8184	23.0044	9.6622
3544	29017	4993	16.0226	13.8700
3545	20422	8642	14.1428	13.3163
3546	0	573	0.0000	11.9370
3547	23198	683	16.4758	14.2207
3548	9297	1159	16.1129	14.8578

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
28353	1329	17.1010	15.4534	
3741	5594	467.6086	12.2951	
5204	5879	16.5208	14.4102	
11380	680	24.2649	12.5854	
1204	27018	5.5483	15.5187	
13445	7252	12.1786	18.2213	
30551	848	19.2876	14.6284	
15057	1704	12.0745	9.8508	
2886	1005	14.2181	14.5685	
23694	705	25.0735	21.3639	
21543	5180	6.0092	11.0680	
42305	1826	20.3193	12.3372	
6732	249	25.5983	20.7248	
4183	2628	11.2134	11.2771	
14291	2925	12.3732	13.1184	
31573	2163	8.1082	11.4442	
85633	207	25.1492	2.3530	
12703	1645	10.0814	18.4836	
0	6843	0.0000	16.0626	
34278	108	25.2047	2.9250	
23904	518	16.5653	10.7861	
18505	6147	10.4786	18.0272	
1785	2698	8.1155	11.6796	
6778	24425	376.5707	14.3169	
1152	62	19.1980	12.3922	
36629	2024	15.1171	14.5587	
7	948	1.4960	14.1468	
7332	11838	7.6694	11.6635	
4825	12228	3.6522	10.9375	
1970	17074	10.5937	17.7486	
0	19901	0.0000	14.8962	
0	2010	0.0000	17.4756	
18877	11053	9.5970	16.1357	
33659	8184	22.9909	9.6620	
29024	4993	16.0264	13.8692	
20411	8643	14.1353	13.3174	
0	573	0.0000	11.9367	
23204	683	16.4803	14.2206	
9297	1159	16.1131	14.8569	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3549	10974	147	19.3213	12.2682
3550	65	1625	16.3228	17.6662
3551	0	4163	0.0000	17.2007
3552	42801	4670	14.0514	12.8644
3553	23738	16767	12.0741	11.4217
3554	3062	352	5.8209	8.1746
3555	43221	862	26.1157	9.4737
3556	4141	5677	8.3994	8.4357
3557	69937	28178	18.4482	13.1123
3558	2632	222	17.0890	13.8575
3559	14136	636	15.5516	14.7927
3560	3770	0	16.4616	0.0000
3561	15	8870	2.9724	14.7832
3562	1935	0	21.2604	0.0000
3563	24677	14886	6.4719	10.8264
3564	47088	3588	9.7288	15.4670
3565	9547	99	25.7345	14.1769
3566	16744	853	19.1356	11.0803
3567	0	15644	0.0000	18.7130
3568	12538	480	19.4693	12.6195
3569	370	19544	14.7836	19.1797
3570	35821	1505	26.1085	11.2335
3571	8921	351	45.2831	19.5068
3572	29930	8824	14.8387	11.5806
3573	7861	189	16.5142	13.5062
3574	7806	1672	15.5802	13.9316
3575	5627	851	25.0107	16.0480
3576	28139	186	26.7991	2.9470
3577	92655	5319	16.8372	15.7373
3578	27319	6676	12.8257	17.0307
3579	56781	2964	36.5385	17.2331
3580	11611	3924	2.5384	17.8358
3581	37895	1055	13.2083	14.8615
3582	61677	9743	15.1952	11.7241
3583	862	6	23.9410	6.2109
3584	23764	3171	12.4419	16.9558
3585	32122	1911	18.5245	13.9511
3586	0	877	0.0000	13.2899
3587	61745	6292	17.3538	9.0797

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
10967	147	19.3074	12.2680	
65	1625	16.3220	17.6675	
0	4163	0.0000	17.2022	
42798	4670	14.0504	12.8638	
23735	16767	12.0726	11.4219	
3062	351	5.8209	8.1742	
43213	862	26.1103	9.4729	
4141	5672	8.3993	8.4274	
69922	28177	18.4443	13.1119	
2631	222	17.0820	13.8585	
14169	636	15.5870	14.7936	
3768	0	16.4547	0.0000	
15	8869	2.9721	14.7819	
1935	0	21.2583	0.0000	
24677	14885	6.4717	10.8256	
47077	3588	9.7266	15.4651	
9544	99	25.7264	14.1769	
16742	853	19.1332	11.0789	
0	15629	0.0000	18.6944	
12536	480	19.4662	12.6194	
370	19526	14.7834	19.1616	
35810	1505	26.1006	11.2335	
8915	351	45.2560	19.5045	
29929	8825	14.8383	11.5812	
7857	189	16.5062	13.5067	
7803	1672	15.5744	13.9317	
5624	851	24.9944	16.0481	
28127	186	26.7876	2.9468	
92646	5319	16.8355	15.7372	
27317	6671	12.8248	17.0189	
56726	2964	36.5030	17.2303	
11611	3924	2.5384	17.8350	
37892	1055	13.2075	14.8617	
61630	9743	15.1836	11.7239	
862	6	23.9351	6.2112	
23761	3169	12.4406	16.9461	
32099	1911	18.5113	13.9515	
0	877	0.0000	13.2879	
61698	6292	17.3408	9.0795	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3588	37094	2897	13.9451	16.2778
3589	9	5870	3.0591	21.9853
3590	16367	187	12.8974	11.6801
3591	97183	21669	15.2804	13.8549
3592	10960	1156	21.2403	17.0051
3593	77368	600	23.1711	5.4052
3594	10099	87	16.2371	12.4819
3595	5602	195	14.7803	12.1789
3596	4326	30	23.2597	5.9192
3597	25208	3200	16.0557	16.4965
3598	4	15341	1.3238	14.1652
3599	74452	519	25.7262	5.5761
3600	77910	15624	16.3368	14.0761
3601	16962	0	15.7197	0.0000
3602	10282	106	13.8566	11.7477
3603	5195	135	11.8876	11.2285
3604	723	812	25.8385	13.3084
3605	2522	370	24.0171	13.2075
3606	2366	5	14.5137	5.3410
3607	9727	2571	26.7974	11.5293
3608	120481	2139	14.8504	11.9473
3609	57059	37471	14.3149	15.9793
3610	23372	436	22.5821	13.6127
3611	2957	245	17.7069	22.2552
3612	8057	154	20.8184	11.8295
3613	2127	0	15.9939	0.0000
3614	1461	53	16.9903	10.6376
3615	17102	0	13.7146	0.0000
3616	3247	0	23.1916	0.0000
3617	7070	76	12.6937	9.4438
3618	5031	42	12.7377	10.3905
3619	8716	475	13.3272	14.3852
3620	0	102	0.0000	14.5697
3621	35220	1875	22.7518	8.8019
3622	3	10027	0.6540	11.3685
3623	10724	12962	19.3918	18.0271
3624	4086	54	30.7195	9.0074
3625	159234	4629	28.0936	11.0732
3626	72728	2588	34.2897	13.0067

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
37091	2897	13.9441	16.2769	
9	5867	3.0590	21.9736	
16364	187	12.8955	11.6797	
97177	21669	15.2794	13.8546	
10959	1156	21.2381	17.0048	
77336	600	23.1613	5.4051	
10099	87	16.2356	12.4812	
5601	195	14.7786	12.1792	
4329	30	23.2763	5.9191	
25205	3200	16.0544	16.4961	
4	15341	1.3238	14.1649	
74441	519	25.7226	5.5758	
77880	15624	16.3306	14.0760	
16959	0	15.7169	0.0000	
10281	106	13.8551	11.7480	
5194	135	11.8855	11.2280	
723	812	25.8247	13.3083	
2521	370	24.0088	13.2074	
2366	5	14.5129	5.3411	
9724	2571	26.7872	11.5291	
120460	2139	14.8478	11.9474	
57053	37470	14.3134	15.9787	
23348	436	22.5586	13.6128	
2957	245	17.7055	22.2534	
8048	154	20.7958	11.8293	
2127	0	15.9906	0.0000	
1461	53	16.9878	10.6364	
17099	0	13.7120	0.0000	
3244	0	23.1720	0.0000	
7069	76	12.6921	9.4438	
5031	42	12.7367	10.3909	
8715	475	13.3260	14.3857	
0	102	0.0000	14.5692	
35253	1875	22.7730	8.8014	
3	10027	0.6537	11.3683	
10722	12962	19.3895	18.0277	
4089	54	30.7455	9.0092	
159360	4629	28.1157	11.0730	
72675	2588	34.2647	13.0044	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3627	5325	109	13.1157	9.9356
3628	2042	5	14.4855	5.2809
3629	3612	1122	12.0809	13.8489
3630	135	0	27.0935	0.0000
3631	28615	2327	18.8009	10.8719
3632	9050	36826	14.8353	14.7069
3633	4485	391	16.6106	9.5444
3634	15677	580	20.4659	14.1561
3635	35209	580	23.8060	6.3092
3636	10413	6352	34.3651	13.0172
3637	12532	200	17.8268	11.7389
3638	8681	233	14.1844	10.1227
3639	3774	0	18.5908	0.0000
3640	4958	61	12.8780	10.1533
3641	2383	5	13.2362	5.2128
3642	4884	289	13.0594	16.0582
3643	11462	53	15.5740	7.5621
3644	15288	332	17.7773	8.7420
3645	16987	1386	21.9188	10.8262
3646	5529	3016	19.2647	12.5670
3647	25200	1514	22.7440	9.7057
3648	128	9	14.2495	9.4283
3649	359	391	8.9821	11.5101
3650	15885	0	19.5393	0.0000
3651	131	2812	16.3383	12.9014
3652	8291	359	30.8227	18.9179
3653	3417	77	23.8950	12.7632
3654	4177	73	19.4300	10.3955
3655	1264	30565	26.8870	12.5680
3656	4641	296	14.1508	13.4490
3657	0	0	0.0000	0.0000
3658	8152	977	13.7930	14.5876
3659	16551	115	13.2194	12.7969
3660	19465	501	13.1168	15.1961
3661	22597	718	13.9490	19.9322
3662	15624	207	17.6345	9.3925
3663	55833	6438	11.9073	12.5501
3664	3402	75	15.1889	10.6631
3665	46864	1540	26.0936	11.5763

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
5324	109	13.1124	9.9358	
2043	5	14.4874	5.2811	
3612	1122	12.0795	13.8493	
136	0	27.1082	0.0000	
28586	2327	18.7822	10.8717	
9043	36825	14.8241	14.7066	
4483	391	16.6027	9.5437	
15659	580	20.4427	14.1560	
35199	580	23.7995	6.3087	
10417	6352	34.3789	13.0170	
12531	200	17.8245	11.7378	
8679	233	14.1820	10.1219	
3771	0	18.5745	0.0000	
4957	61	12.8753	10.1531	
2382	5	13.2350	5.2129	
4884	289	13.0586	16.0587	
11462	53	15.5728	7.5616	
15275	332	17.7618	8.7420	
16981	1386	21.9112	10.8260	
5529	3016	19.2648	12.5663	
25194	1514	22.7383	9.7056	
128	9	14.2496	9.4237	
359	391	8.9820	11.5099	
15842	0	19.4862	0.0000	
131	2813	16.3285	12.9014	
8287	359	30.8061	18.9178	
3416	77	23.8859	12.7646	
4176	73	19.4213	10.3954	
1264	30564	26.8870	12.5676	
4641	296	14.1498	13.4485	
0	0	0.0000	0.0000	
8150	977	13.7908	14.5879	
16547	115	13.2168	12.7971	
19464	501	13.1161	15.1964	
22595	718	13.9474	19.9314	
15611	207	17.6197	9.3916	
55827	6438	11.9060	12.5499	
3401	75	15.1813	10.6628	
46778	1540	26.0456	11.5761	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3666	9722	295	16.9963	21.0831
3667	15033	135	23.4896	3.2238
3668	5454	1057	25.1340	11.0079
3669	26833	15	17.8767	2.1631
3670	33781	1848	9.2959	10.2111
3671	33581	1621	22.7515	7.1709
3672	11979	372	22.6020	14.8915
3673	1357	0	19.1084	0.0000
3674	27021	481	28.3830	11.1831
3675	0	85	0.0000	14.0868
3676	5949	258	26.3242	17.1688
3677	28305	3193	22.8819	10.1350
3678	1418	111	27.2720	13.9338
3679	1823	2	42.4015	1.5682
3680	3652	23	14.2101	5.7892
3681	45871	85	23.2728	2.6426
3682	6398	840	15.8373	15.8554
3683	0	46529	0.0000	13.5534
3684	38601	3396	29.6932	14.7636
3685	19475	32250	12.8295	11.4687
3686	7977	237	14.6643	14.8254
3687	11220	1447	15.6049	15.3889
3688	55481	2347	26.9716	11.5053
3689	8105	317	16.8513	16.6808
3690	28903	334	16.5445	10.7771
3691	26372	1688	12.0474	11.1037
3692	79180	1509	9.6690	9.3159
3693	4402	48	20.9609	9.5805
3694	14977	1066	17.3349	11.7120
3695	23687	2055	22.3458	8.3191
3696	7842	75	15.4985	7.5265
3697	57734	1114	16.4907	13.5815
3698	6720	81	18.2104	8.9992
3699	34587	1208	10.3276	7.0617
3700	496	0	29.1702	0.0000
3701	26054	543	26.1325	10.2503
3702	6774	119	17.4130	8.5002
3703	115514	6305	22.4648	7.9808
3704	79266	1175	24.0710	9.0388

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
9722	295	16.9956	21.0821	
15020	135	23.4695	3.2236	
5450	1057	25.1134	11.0077	
26810	15	17.8616	2.1631	
33780	1848	9.2955	10.2114	
33573	1621	22.7460	7.1706	
11970	372	22.5855	14.8913	
1356	0	19.1043	0.0000	
27016	481	28.3780	11.1829	
0	85	0.0000	14.0863	
5948	258	26.3167	17.1686	
28281	3192	22.8628	10.1347	
1417	111	27.2442	13.9338	
1822	2	42.3785	1.5682	
3651	23	14.2060	5.7889	
45826	85	23.2500	2.6426	
6395	840	15.8298	15.8558	
0	46528	0.0000	13.5532	
38557	3395	29.6592	14.7596	
19478	32245	12.8313	11.4668	
7975	237	14.6597	14.8255	
11216	1447	15.5998	15.3896	
55454	2347	26.9586	11.5051	
8103	317	16.8455	16.6803	
28899	334	16.5423	10.7765	
26368	1688	12.0459	11.1035	
79155	1509	9.6660	9.3156	
4396	48	20.9341	9.5805	
14944	1066	17.2958	11.7119	
23681	2055	22.3407	8.3190	
7842	75	15.4974	7.5258	
57733	1114	16.4903	13.5810	
6714	81	18.1948	8.9990	
34576	1208	10.3244	7.0618	
495	0	29.1378	0.0000	
26081	543	26.1599	10.2505	
6772	119	17.4077	8.4997	
115465	6305	22.4553	7.9806	
79245	1175	24.0647	9.0387	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3705	0	0	0.0000	0.0000
3706	13206	0	29.6108	0.0000
3707	147	5734	24.4786	14.6282
3708	11410	74679	18.1107	12.1786
3709	29	49	5.8247	12.3372
3710	113410	2770	22.0987	9.7879
3711	2319	86	15.4610	12.3014
3712	0	1369	0.0000	10.6953
3713	31369	5028	9.0820	9.1086
3714	32138	4523	9.9653	11.1671
3715	18860	23	59.1234	2.3322
3716	20496	635	14.6294	7.9424
3717	0	0	0.0000	0.0000
3718	276	0	15.3521	0.0000
3719	4046	585	35.4903	16.2558
3720	6860	156	19.9428	15.6495
3721	873	139	18.1928	13.9118
3722	4135	88	17.2998	12.5216
3723	45782	3276	23.9570	8.5096
3724	26134	1463	15.7814	14.0670
3725	2306	0	20.5861	0.0000
3726	3929	79	16.7920	13.1610
3727	237	44	19.7211	14.5628
3728	106896	1209	23.0181	8.1703
3729	3098	95	12.5414	7.9188
3730	56078	3055	11.0260	8.1029
3731	12451	3355	13.7882	15.1146
3732	71580	9896	14.3591	12.9875
3733	41082	1867	9.6551	9.0650
3734	45989	1152	13.6668	9.7592
3735	3681	223	16.1466	11.7441
3736	7	0	0.0000	0.0000
3737	82779	1163	19.2019	7.5499
3738	849	165	8.2446	13.7291
3739	32305	3053	25.3376	8.7486
3740	42476	11229	20.7099	11.6845
3741	0	1914	0.0000	15.5617
3742	586	0	29.2917	0.0000
3743	0	26348	0.0000	13.0694

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	0	0.0000	0.0000	
13203	0	29.6023	0.0000	
147	5735	24.4768	14.6292	
11408	74677	18.1086	12.1782	
29	49	5.8066	12.3353	
113367	2770	22.0902	9.7882	
2319	86	15.4583	12.3009	
0	1369	0.0000	10.6954	
31367	5025	9.0814	9.1039	
32136	4523	9.9646	11.1672	
18857	23	59.1141	2.3323	
20490	635	14.6255	7.9416	
0	0	0.0000	0.0000	
276	0	15.3313	0.0000	
4044	585	35.4711	16.2558	
6860	156	19.9422	15.6496	
873	139	18.1885	13.9112	
4132	88	17.2871	12.5214	
45763	3276	23.9472	8.5094	
26125	1463	15.7758	14.0642	
2304	0	20.5745	0.0000	
3927	79	16.7806	13.1609	
236	44	19.7037	14.5620	
106776	1209	22.9921	8.1702	
3097	95	12.5398	7.9186	
56076	3054	11.0255	8.1020	
12446	3355	13.7835	15.1141	
71577	9896	14.3584	12.9871	
41082	1867	9.6550	9.0609	
45985	1152	13.6657	9.7592	
3677	223	16.1277	11.7438	
7	0	0.0000	0.0000	
82763	1163	19.1980	7.5498	
849	165	8.2445	13.7287	
32275	3053	25.3140	8.7483	
42452	11227	20.6980	11.6822	
0	1914	0.0000	15.5608	
585	0	29.2642	0.0000	
0	26348	0.0000	13.0694	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3744	28450	18066	8.4172	12.5895
3745	33216	5325	10.2550	10.5441
3746	1421	1969	9.5344	10.8803
3747	726	23	17.2867	11.2532
3748	20530	241	26.3880	7.5380
3749	32032	192	23.4663	8.3606
3750	0	0	0.0000	0.0000
3751	31074	244	16.3461	9.7559
3752	14280	3374	27.4608	10.5121
3753	27735	51	14.1362	3.1914
3754	7675	10540	16.9436	12.1709
3755	35337	274	22.9314	8.8464
3756	11617	1645	15.2660	13.8276
3757	3870	0	17.7518	0.0000
3758	3324	25	24.6203	8.2119
3759	1462	154	18.7453	15.4382
3760	49875	244	9.9810	5.9489
3761	47541	2893	9.2205	9.0129
3762	43330	3507	10.1547	8.5745
3763	33607	11087	9.0003	10.3617
3764	43256	1980	12.9665	10.1003
3765	4167	1271	10.1639	8.4180
3766	65265	5303	22.7167	10.3770
3767	4734	30512	364.1712	12.0411
3768	32780	11674	27.2030	11.0650
3769	41427	1065	16.0135	10.9797
3770	1843	7692	22.7534	11.1483
3771	385	1213	12.4277	11.6590
3772	100303	949	27.1530	4.7200
3773	45122	3909	13.4211	13.1163
3774	5146	0	24.3903	0.0000
3775	1668	9024	151.6053	11.2941
3776	76045	181	28.1023	3.0687
3777	64617	12192	11.9088	12.0957
3778	4951	29	23.2441	9.5502
3779	22	3630	5.4717	11.2379
3780	18638	15947	13.6443	12.1917
3781	21246	4447	12.0577	11.5212
3782	29692	7807	9.0969	9.6499

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
28448	18066	8.4167	12.5893	
33216	5325	10.2551	10.5438	
1421	1969	9.5348	10.8801	
725	23	17.2700	11.2519	
20517	241	26.3718	7.5378	
32011	192	23.4515	8.3605	
0	0	0.0000	0.0000	
31049	244	16.3329	9.7563	
14270	3374	27.4425	10.5095	
27738	51	14.1375	3.1912	
7675	10540	16.9422	12.1706	
35325	274	22.9234	8.8462	
11609	1645	15.2554	13.8270	
3868	0	17.7416	0.0000	
3323	25	24.6119	8.2118	
1461	154	18.7341	15.4365	
49871	244	9.9803	5.9488	
47536	2893	9.2195	9.0126	
43302	3507	10.1480	8.5745	
33608	11087	9.0006	10.3614	
43254	1980	12.9657	10.1001	
4167	1272	10.1637	8.4214	
65218	5303	22.7003	10.3769	
4734	30511	364.1710	12.0405	
32763	11673	27.1892	11.0648	
41400	1065	16.0031	10.9796	
1843	7692	22.7528	11.1479	
385	1212	12.4246	11.6585	
100193	949	27.1231	4.7200	
45110	3909	13.4176	13.1159	
5145	0	24.3855	0.0000	
1668	9023	151.6041	11.2923	
75934	181	28.0615	3.0686	
64590	12192	11.9038	12.0956	
4950	29	23.2396	9.5500	
22	3630	5.4648	11.2381	
18630	15947	13.6383	12.1920	
21241	4447	12.0548	11.5209	
29690	7807	9.0963	9.6503	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3783	13568	1246	8.7931	8.7138
3784	12102	17183	15.2610	13.8458
3785	29841	5305	10.0271	9.8055
3786	848	5807	31.4022	14.7002
3787	20651	259	65.3528	4.2430
3788	40198	375	12.4877	6.9355
3789	5669	6180	8.7627	9.4497
3790	19243	1741	11.4407	8.3302
3791	36103	231	20.9901	7.2117
3792	131787	3607	20.9252	8.5887
3793	48724	94	18.4004	2.7576
3794	5444	0	37.0330	0.0000
3795	120402	21149	19.0179	9.2680
3796	35548	5870	13.2494	11.4643
3797	11049	835	22.0983	11.1322
3798	2960	401	22.7712	11.8080
3799	0	0	0.0000	0.0000
3800	66479	8301	14.5087	9.5638
3801	70610	5858	11.5715	8.2742
3802	20021	2185	9.7144	8.0927
3803	38299	831	10.2130	9.5560
3804	14852	516	12.0750	8.8883
3805	10533	3986	9.6020	9.4687
3806	16089	228	8.1424	8.1276
3807	18429	69	14.6493	6.9233
3808	23580	3874	12.7735	9.3354
3809	1638	0	18.1985	0.0000
3810	12672	3741	16.5867	10.6275
3811	32926	1267	14.2291	10.9220
3812	526	5627	47.8365	14.6526
3813	4015	69	22.1827	9.8856
3814	25137	2879	13.2577	10.0317
3815	60507	58	21.3054	2.5246
3816	49012	280	18.6854	5.5921
3817	90271	5246	21.6166	7.9971
3818	25638	507	21.1364	11.2625
3819	200824	6379	14.2530	6.7361
3820	61052	647	14.0705	7.6173
3821	10513	3310	13.4955	11.2191

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
13567	1246	8.7928	8.7137	
12095	17182	15.2518	13.8456	
29848	5305	10.0295	9.8055	
848	5806	31.3915	14.6996	
20650	259	65.3490	4.2430	
40196	375	12.4873	6.9354	
5669	6179	8.7621	9.4487	
19243	1741	11.4404	8.3300	
36092	231	20.9835	7.2084	
131750	3607	20.9193	8.5886	
48720	94	18.3990	2.7575	
5441	0	37.0165	0.0000	
120331	21149	19.0066	9.2679	
35538	5870	13.2455	11.4640	
11046	835	22.0912	11.1278	
2960	401	22.7662	11.8078	
0	0	0.0000	0.0000	
66472	8301	14.5072	9.5634	
70605	5858	11.5707	8.2740	
20020	2185	9.7137	8.0928	
38296	831	10.2122	9.5560	
14849	515	12.0720	8.8775	
10533	3986	9.6014	9.4683	
16089	228	8.1421	8.1276	
18427	69	14.6481	6.9232	
23576	3874	12.7716	9.3351	
1637	0	18.1926	0.0000	
12670	3740	16.5840	10.6261	
32922	1267	14.2272	10.9218	
526	5626	47.8166	14.6519	
4013	69	22.1698	9.8855	
25132	2879	13.2551	10.0312	
60444	58	21.2830	2.5246	
48986	280	18.6756	5.5920	
90213	5246	21.6027	7.9970	
25630	507	21.1292	11.2624	
200819	6379	14.2526	6.7359	
61045	647	14.0690	7.6171	
10512	3310	13.4948	11.2187	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3822	13251	2974	13.8605	11.6160
3823	0	0	0.0000	0.0000
3824	7822	9570	16.0282	11.1541
3825	106651	857	15.6932	6.2528
3826	8648	9527	17.9802	11.4645
3827	89950	2702	13.3954	6.4491
3828	35569	93	10.6207	6.1924
3829	23276	1833	12.3152	7.6072
3830	24114	759	12.8062	9.7333
3831	1425	90	17.3809	11.2216
3832	34954	114	12.7942	7.6168
3833	9282	41	27.5434	8.2812
3834	1824	1	12.9368	1.3437
3835	36838	3314	19.5118	8.5409
3836	29489	618	22.6665	8.2390
3837	25112	152	65.9106	4.0977
3838	19019	7578	14.9168	10.3810
3839	13399	5036	16.1434	11.3933
3840	1101	0	55.0619	0.0000
3841	31457	20	16.3838	2.9067
3842	142511	2003	16.4715	6.8120
3843	16731	348	24.2134	9.1686
3844	28495	2583	15.7607	12.0129
3845	31165	336	22.1188	4.1496
3846	25653	55	16.7667	5.0004
3847	4202	0	53.8747	0.0000
3848	4868	2518	23.0727	11.4460
3849	123	0	13.6528	0.0000
3850	2428	0	19.2725	0.0000
3851	66148	1897	15.3050	11.3586
3852	6150	9	62.7528	1.5318
3853	380	206	18.1135	10.8386
3854	33376	11985	19.2258	9.7517
3855	11154	254	19.8817	12.1102
3856	2	11708	0.6873	11.0868
3857	20708	1487	20.8541	18.3615
3858	15094	539	15.7556	8.9849
3859	8420	842	18.3848	9.0530
3860	34061	0	19.1785	0.0000

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
13248	2974	13.8578	11.6158	
0	0	0.0000	0.0000	
7821	9570	16.0259	11.1541	
106624	857	15.6892	6.2527	
8645	9526	17.9732	11.4635	
89944	2702	13.3945	6.4485	
35565	93	10.6197	6.1922	
23272	1833	12.3133	7.6064	
24108	759	12.8032	9.7324	
1425	90	17.3792	11.2214	
34945	114	12.7910	7.6178	
9277	41	27.5271	8.2812	
1823	1	12.9294	1.3440	
36834	3314	19.5093	8.5409	
29481	618	22.6606	8.2389	
25118	152	65.9265	4.0977	
19015	7578	14.9140	10.3802	
13397	5036	16.1407	11.3932	
1101	0	55.0586	0.0000	
31439	20	16.3743	2.9068	
142587	2003	16.4802	6.8115	
16729	348	24.2092	9.1681	
28491	2583	15.7583	12.0128	
31132	336	22.0952	4.1496	
25651	55	16.7653	5.0002	
4202	0	53.8722	0.0000	
4872	2518	23.0911	11.4457	
123	0	13.6525	0.0000	
2428	0	19.2700	0.0000	
66157	1897	15.3071	11.3584	
6149	9	62.7466	1.5318	
380	206	18.1119	10.8385	
33370	11985	19.2222	9.7516	
11155	254	19.8845	12.1098	
2	11707	0.6872	11.0866	
20708	1487	20.8543	18.3618	
15092	539	15.7537	8.9850	
8414	842	18.3721	9.0532	
34042	0	19.1679	0.0000	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3861	390	167	20.5406	15.1514
3862	15871	430	19.5697	12.6529
3863	15282	283	17.6667	6.1528
3864	0	7856	0.0000	14.9356
3865	8624	0	32.7924	0.0000
3866	93833	690	27.2930	4.9252
3867	13551	1939	19.5820	10.3715
3868	6098	830	17.4734	10.6470
3869	23311	180	12.8081	7.1869
3870	43853	5578	12.7852	10.3869
3871	66720	3594	17.9161	7.7133
3872	47665	2020	14.5765	9.7564
3873	8476	278	20.7734	13.8817
3874	40030	2263	18.1622	8.0551
3875	0	1902	0.0000	14.4123
3876	0	0	0.0000	0.0000
3877	45712	12621	16.0393	8.5974
3878	56819	1854	16.2572	8.3898
3879	259657	965	17.0524	6.1458
3880	59356	2205	19.6283	9.0384
3881	10490	37	15.5403	6.1875
3882	39520	54	15.4075	3.8599
3883	101260	1634	16.8880	8.1714
3884	13094	50910	91.5653	13.0371
3885	7962	3137	18.9112	9.8353
3886	0	0	0.0000	0.0000
3887	10463	13	23.9429	4.1971
3888	6806	87	20.0759	7.2437
3889	2628	9197	77.2831	12.1653
3890	2227	161	22.0482	10.7038
3891	242927	1805	22.4123	3.2066
3892	48818	20127	16.4757	10.5432
3893	0	4328	0.0000	12.4021
3894	49531	6408	195.0057	4.9030
3895	0	50	0.0000	9.9877
3896	3606	2421	22.3949	11.5856
3897	10191	1021	20.4633	11.4672
3898	0	0	0.0000	0.0000
3899	7853	3626	23.7257	13.1389

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
390	167	20.5316	15.1421	
15862	430	19.5587	12.6530	
15269	283	17.6523	6.1527	
0	7856	0.0000	14.9359	
8619	0	32.7725	0.0000	
93782	690	27.2780	4.9251	
13545	1939	19.5730	10.3713	
6097	830	17.4709	10.6466	
23308	180	12.8068	7.1866	
43849	5577	12.7841	10.3863	
66703	3594	17.9117	7.7133	
47659	2019	14.5746	9.7559	
8472	278	20.7635	13.8819	
40023	2264	18.1592	8.0560	
0	1902	0.0000	14.4120	
0	0	0.0000	0.0000	
45684	12621	16.0293	8.5975	
56811	1854	16.2550	8.3901	
259651	965	17.0520	6.1456	
59312	2205	19.6139	9.0383	
10496	37	15.5495	6.1874	
39516	54	15.4060	3.8597	
101236	1634	16.8840	8.1711	
13094	50911	91.5648	13.0373	
7968	3138	18.9272	9.8355	
0	0	0.0000	0.0000	
10460	13	23.9366	4.1971	
6797	87	20.0492	7.2438	
2628	9199	77.2823	12.1676	
2227	161	22.0455	10.7038	
242688	1805	22.3903	3.2065	
48842	20127	16.4841	10.5430	
0	4327	0.0000	12.3989	
49531	6408	195.0045	4.9031	
0	50	0.0000	9.9878	
3605	2421	22.3884	11.5830	
10188	1021	20.4583	11.4670	
0	0	0.0000	0.0000	
7852	3626	23.7213	13.1387	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3900	20	736	5.0171	15.3317
3901	5848	789	23.7719	11.2771
3902	15677	735	17.4968	12.4535
3903	1098	4	18.6185	4.1018
3904	24385	3847	17.0527	9.1598
3905	16506	2475	19.8869	10.5775
3906	6884	154	14.6466	10.9679
3907	26074	185	19.9951	7.6898
3908	16199	523	17.3247	8.0496
3909	750	463	18.2923	14.0170
3910	155	0	22.2014	0.0000
3911	0	4325	0.0000	12.4291
3912	610	0	12.9808	0.0000
3913	2	12055	0.3306	13.6057
3914	31028	5705	18.1558	8.3405
3915	2000	3237	16.5279	12.9488
3916	56126	2239	23.8530	7.3421
3917	45158	12949	20.9064	10.8632
3918	87875	31774	15.8275	11.8074
3919	3738	1271	16.9898	10.5067
3920	26	422	0.3249	12.4059
3921	71180	846	17.5883	7.2899
3922	5522	656	19.5811	11.5030
3923	27112	1754	21.5519	8.6405
3924	3087	1042	22.6967	10.0197
3925	59853	4794	18.5879	7.8204
3926	10543	28	15.4810	5.5921
3927	1832	228	16.3532	16.2724
3928	39776	5372	21.2251	7.9238
3929	13840	127	18.1633	10.5677
3930	5148	5	18.1254	5.1798
3931	1005	446	18.2684	13.5030
3932	0	79278	0.0000	13.6193
3933	11554	680	19.7163	12.1345
3934	18902	889	15.7123	10.8426
3935	0	13941	0.0000	13.3539
3936	1404	1074	37.9535	12.2022
3937	1205	8897	150.6008	10.8633
3938	43114	368	21.9523	3.3724

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
20	736	5.0172	15.3317	
5847	789	23.7670	11.2771	
15673	735	17.4926	12.4535	
1098	4	18.6131	4.1020	
24368	3847	17.0405	9.1599	
16500	2475	19.8799	10.5775	
6883	154	14.6443	10.9675	
26065	185	19.9887	7.6898	
16194	523	17.3197	8.0496	
750	463	18.2900	14.0174	
155	0	22.2066	0.0000	
0	4324	0.0000	12.4261	
610	0	12.9791	0.0000	
2	12056	0.3306	13.6068	
31018	5705	18.1499	8.3405	
2000	3237	16.5258	12.9496	
56115	2239	23.8484	7.3421	
45155	12948	20.9051	10.8627	
87868	31774	15.8263	11.8073	
3738	1271	16.9887	10.5066	
26	422	0.3250	12.4060	
71145	846	17.5797	7.2900	
5521	656	19.5771	11.5028	
27087	1754	21.5321	8.6405	
3088	1042	22.7092	10.0193	
59884	4794	18.5975	7.8203	
10540	28	15.4768	5.5922	
1832	228	16.3531	16.2711	
39758	5372	21.2157	7.9236	
13837	127	18.1583	10.5678	
5146	5	18.1203	5.1792	
1005	446	18.2659	13.5023	
0	79278	0.0000	13.6193	
11551	680	19.7113	12.1342	
18898	889	15.7094	10.8427	
0	13943	0.0000	13.3550	
1404	1074	37.9483	12.2020	
1205	8897	150.5958	10.8633	
43073	368	21.9314	3.3724	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3939	0	20830	0.0000	12.8739
3940	45495	2341	19.1234	7.8023
3941	3671	0	21.5962	0.0000
3942	50149	22	18.1438	1.5954
3943	35507	163	26.1662	3.6234
3944	4444	10	46.2954	1.3642
3945	4261	65	22.9107	10.8118
3946	52002	153	21.1047	3.7366
3947	6644	608	23.4755	9.7999
3948	7790	235	14.8946	13.8393
3949	14322	1991	16.2195	14.4256
3950	75345	1417	19.0845	7.8299
3951	45699	473	16.0515	8.5971
3952	1630	124	26.7134	8.2994
3953	9439	56	15.4743	9.3078
3954	20235	21	15.2947	4.2880
3955	15478	13712	17.8525	13.6573
3956	844	7860	64.9437	12.5763
3957	35191	565	21.1359	7.9642
3958	2590	643	22.7168	10.8957
3959	9803	1118	17.5999	7.7090
3960	22286	410	15.0481	11.3805
3961	79040	6630	18.7476	8.6322
3962	12916	60656	516.6438	12.0326
3963	106223	464	20.9803	5.8742
3964	130251	1369	26.1759	4.6395
3965	23094	1278	18.1554	9.8305
3966	14970	18	20.8501	4.4473
3967	8993	369	20.8170	10.5514
3968	4131	18	24.5904	4.5516
3969	73833	839	20.6181	4.2184
3970	66120	1842	16.0603	9.5466
3971	0	4727	0.0000	10.9676
3972	924	32	35.5324	6.3962
3973	49357	26246	16.4468	10.8411
3974	4064	0	26.9131	0.0000
3975	32482	239	25.1021	4.6848
3976	18	0	17.9332	0.0000
3977	2780	0	26.9863	0.0000

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	20827	0.0000	12.8720	
45482	2341	19.1179	7.8028	
3670	0	21.5903	0.0000	
50173	22	18.1523	1.5955	
35477	163	26.1439	3.6234	
4444	10	46.2945	1.3643	
4264	65	22.9223	10.8115	
51993	153	21.1009	3.7366	
6637	608	23.4508	9.7999	
7789	235	14.8928	13.8397	
14321	1991	16.2181	14.4253	
75330	1417	19.0804	7.8300	
45674	473	16.0430	8.5973	
1628	124	26.6908	8.2994	
9440	56	15.4761	9.3074	
20232	21	15.2925	4.2878	
15478	13712	17.8524	13.6570	
844	7860	64.9352	12.5754	
35183	565	21.1307	7.9640	
2587	643	22.6957	10.8954	
9800	1118	17.5950	7.7090	
22284	410	15.0469	11.3802	
79018	6630	18.7424	8.6322	
12916	60660	516.6423	12.0334	
106187	464	20.9731	5.8742	
130230	1369	26.1716	4.6395	
23087	1277	18.1502	9.8259	
14966	18	20.8434	4.4473	
8991	369	20.8118	10.5497	
4130	18	24.5830	4.5516	
73795	839	20.6073	4.2181	
66110	1842	16.0578	9.5463	
0	4726	0.0000	10.9659	
924	32	35.5258	6.3960	
49334	26243	16.4393	10.8396	
4061	0	26.8911	0.0000	
32471	239	25.0938	4.6848	
18	0	17.9318	0.0000	
2777	0	26.9615	0.0000	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3978	236	3289	59.1015	13.2630
3979	0	19	0.0000	9.3192
3980	0	23253	0.0000	9.4218
3981	0	51010	0.0000	10.0789
3982	4006	0	19.9319	0.0000
3983	64789	28939	49.0453	10.7702
3984	83331	2752	18.7176	6.3108
3985	18787	11482	106.7467	9.6978
3986	2278	50	21.6976	12.4384
3987	131822	8147	22.9295	7.9947
3988	11730	314	20.5425	12.0630
3989	57757	698	18.3589	6.3463
3990	21910	108	24.4255	7.7188
3991	35529	30705	16.7746	10.5443
3992	21993	6468	9.0174	8.4662
3993	0	0	0.0000	0.0000
3994	159065	878	22.5593	3.1923
3995	24879	904	21.9195	10.5067
3996	20449	1200	16.0262	8.2215
3997	13051	1269	17.4951	12.6937
3998	55495	1396	23.1422	8.0707
3999	6305	72	19.1633	10.2541
4000	354	40	15.3740	13.4059
4001	38126	16	26.0245	2.0497
4002	25686	1181	22.1241	11.8086
4003	33066	193	16.5166	2.4759
4004	0	0	0.0000	0.0000
4005	4969	7	20.0376	2.1673
4006	13618	366	22.0710	11.0795
4007	28851	6	23.3993	1.0830
4008	5268	77	26.4736	10.9384
4009	0	113	0.0000	8.6655
4010	10397	294	20.0713	13.9841
4011	5203	60	20.5661	10.0478
4012	16858	66	23.4463	3.2927
4013	45627	363	17.3948	2.7509
4014	7694	645	19.8310	13.7198
4015	32770	0	23.3906	0.0000
4016	7781	32	23.2958	6.3383

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
236	3289	59.0920	13.2621	
0	19	0.0000	9.3192	
0	23255	0.0000	9.4226	
0	51003	0.0000	10.0776	
4005	0	19.9264	0.0000	
64785	28939	49.0427	10.7699	
83311	2752	18.7132	6.3110	
18787	11482	106.7448	9.6975	
2280	50	21.7115	12.4388	
131719	8147	22.9116	7.9949	
11726	314	20.5352	12.0617	
57743	698	18.3545	6.3456	
21905	108	24.4208	7.7187	
35526	30696	16.7732	10.5413	
21979	6468	9.0113	8.4665	
0	0	0.0000	0.0000	
158939	878	22.5413	3.1923	
24869	903	21.9111	10.5048	
20447	1200	16.0240	8.2215	
13051	1269	17.4943	12.6935	
55463	1396	23.1288	8.0708	
6304	72	19.1604	10.2540	
354	40	15.3726	13.4057	
38095	16	26.0036	2.0497	
25683	1181	22.1211	11.8086	
33053	193	16.5099	2.4757	
0	0	0.0000	0.0000	
4968	7	20.0325	2.1672	
13613	366	22.0635	11.0788	
28850	6	23.3980	1.0828	
5267	77	26.4697	10.9364	
0	113	0.0000	8.6655	
10395	294	20.0679	13.9809	
5201	60	20.5579	10.0468	
16853	66	23.4390	3.2926	
45621	363	17.3928	2.7507	
7693	645	19.8268	13.7172	
32760	0	23.3833	0.0000	
7779	32	23.2917	6.3374	

TAZ         RESI_VMT w Ext         HBW_VMT W Ext         Res-VMT/Cap         HBW-VMT/E           4017         68091         10681         19.8981         9.0674           4018         1763         11         29.8892         5.3838           4019         4173         2945         22.3149         10.9083           4020         70590         4575         14.8112         7.4519           4021         17870         3222         19.0511         9.6742           4022         22158         17         23.8005         1.9266           4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124	
4018         1763         11         29.8892         5.3838           4019         4173         2945         22.3149         10.9083           4020         70590         4575         14.8112         7.4519           4021         17870         3222         19.0511         9.6742           4022         22158         17         23.8005         1.9266           4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124           4031         880         1932         24.4329         14.4177	mp
4019         4173         2945         22.3149         10.9083           4020         70590         4575         14.8112         7.4519           4021         17870         3222         19.0511         9.6742           4022         22158         17         23.8005         1.9266           4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124           4031         880         1932         24.4329         14.4177	
4020         70590         4575         14.8112         7.4519           4021         17870         3222         19.0511         9.6742           4022         22158         17         23.8005         1.9266           4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124           4031         880         1932         24.4329         14.4177	
4021         17870         3222         19.0511         9.6742           4022         22158         17         23.8005         1.9266           4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124           4031         880         1932         24.4329         14.4177	
4022       22158       17       23.8005       1.9266         4023       727       0       45.4083       0.0000         4024       79153       5567       14.6227       6.8814         4025       129610       4915       17.6245       6.6507         4026       4433       208       16.7932       16.0270         4027       14298       276       17.1649       6.0091         4028       282       0       25.6017       0.0000         4029       30493       3765       20.7858       14.6491         4030       777       54       26.7916       10.8124         4031       880       1932       24.4329       14.4177	
4023         727         0         45.4083         0.0000           4024         79153         5567         14.6227         6.8814           4025         129610         4915         17.6245         6.6507           4026         4433         208         16.7932         16.0270           4027         14298         276         17.1649         6.0091           4028         282         0         25.6017         0.0000           4029         30493         3765         20.7858         14.6491           4030         777         54         26.7916         10.8124           4031         880         1932         24.4329         14.4177	
4024     79153     5567     14.6227     6.8814       4025     129610     4915     17.6245     6.6507       4026     4433     208     16.7932     16.0270       4027     14298     276     17.1649     6.0091       4028     282     0     25.6017     0.0000       4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4025     129610     4915     17.6245     6.6507       4026     4433     208     16.7932     16.0270       4027     14298     276     17.1649     6.0091       4028     282     0     25.6017     0.0000       4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4026     4433     208     16.7932     16.0270       4027     14298     276     17.1649     6.0091       4028     282     0     25.6017     0.0000       4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4027     14298     276     17.1649     6.0091       4028     282     0     25.6017     0.0000       4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4028     282     0     25.6017     0.0000       4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4029     30493     3765     20.7858     14.6491       4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4030     777     54     26.7916     10.8124       4031     880     1932     24.4329     14.4177	
4031 880 1932 24.4329 14.4177	
4032 30745 10089 22.0233 10.0391	
4033 20 0 6.7674 0.0000	
4034 14621 197 22.4600 12.3241	
4035 0 0 0.0000 0.0000	
4036 2594 287 27.5961 13.6865	
4037 16722 2040 18.6630 10.1007	
4038 576 8870 0.4826 10.5470	
4039 0 0 0.0000 0.0000	
4040 21442 71 29.3325 3.5292	
4041 12968 442 22.0168 3.1807	
4042         1417         729         17.0771         14.8866	
4043     21437     1788     17.4430     11.6879	
4044         398         798         33.1647         17.7418	
4045     4608     1374     19.9492     12.0546	
4046         61         813         7.6796         9.1389	
4047         2401         669         19.0517         20.2848	
4048 70 0 35.0984 0.0000	
4049 64972 203 17.5884 3.1684	
4050         13484         1439         18.5225         10.7361	
4051 9565 0 25.1040 0.0000	
4052 23332 555 20.0964 14.9890	
4053 36659 188 18.1032 2.9886	
4054         109443         1532         20.9540         3.4977	
4055 23024 1062 22.2236 15.8546	

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
68045	10680	19.8847	9.0659	
1763	11	29.8811	5.3838	
4172	2945	22.3103	10.9082	
70582	4575	14.8096	7.4519	
17864	3221	19.0444	9.6720	
22133	17	23.7739	1.9266	
726	0	45.3989	0.0000	
79141	5568	14.6206	6.8821	
129540	4915	17.6149	6.6509	
4433	208	16.7912	16.0271	
14296	276	17.1620	6.0091	
282	0	25.5940	0.0000	
30489	3764	20.7831	14.6472	
777	54	26.7835	10.8099	
879	1932	24.4300	14.4151	
30726	10089	22.0099	10.0392	
20	0	6.7663	0.0000	
14615	197	22.4508	12.3241	
0	0	0.0000	0.0000	
2593	287	27.5887	13.6867	
16718	2040	18.6580	10.1007	
576	8870	0.4827	10.5470	
0	0	0.0000	0.0000	
21431	71	29.3168	3.5292	
12956	442	21.9964	3.1808	
1417	729	17.0738	14.8789	
21433	1788	17.4397	11.6846	
398	798	33.1607	17.7422	
4607	1374	19.9422	12.0510	
61	813	7.6828	9.1389	
2400	669	19.0504	20.2839	
70	0	35.0843	0.0000	
64924	203	17.5756	3.1678	
13481	1438	18.5176	10.7343	
9559	0	25.0905	0.0000	
23318	554	20.0840	14.9864	
36642	188	18.0948	2.9829	
109335	1532	20.9333	3.4977	
23022	1062	22.2219	15.8526	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4056	234	0	25.9999	0.0000
4057	2310	314	21.5885	13.0973
4058	6121	2585	28.3366	17.7045
4059	46217	1078	18.0817	7.1391
4060	0	0	0.0000	0.0000
4061	2316	4949	30.8786	9.8985
4062	94494	14014	13.5689	9.3176
4063	98130	501	27.9492	2.3650
4064	33622	1714	16.8109	7.2641
4065	71126	645	22.1231	7.6826
4066	14242	647	21.5786	14.3692
4067	7469	0	21.3392	0.0000
4068	116940	214	22.8308	2.7802
4069	66620	104	25.7517	3.1384
4070	81	0	16.2794	0.0000
4071	669	0	27.8665	0.0000
4072	0	59182	0.0000	13.7632
4073	50625	76	28.9123	2.8014
4074	9912	4261	19.8230	7.0078
4075	10410	473	24.7859	15.7631
4076	3858	282	21.3150	10.8332
4077	8530	0	22.5076	0.0000
4078	56728	576	19.4275	5.1015
4079	131867	1446	16.5433	3.2575
4080	6155	1047	31.4032	11.5066
4081	19934	2290	21.7150	16.7130
4082	23029	496	18.9697	6.6992
4083	8328	224	26.2699	12.4548
4084	1220	257	27.7285	16.0866
4085	12446	837	22.5877	12.1374
4086	4519	595	28.9652	15.2567
4087	55204	0	19.0293	0.0000
4088	26820	7	21.6991	2.3139
4089	341	2338	28.4198	18.4133
4090	6961	539	31.0754	19.9513
4091	18661	425	21.5734	6.9693
4092	30894	386	19.8805	9.4170
4093	261794	1021	29.0818	2.6305
4094	1895	90	29.6129	12.8711

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
234	0	25.9989	0.0000	
2309	314	21.5839	13.0936	
6119	2584	28.3300	17.7010	
46210	1078	18.0789	7.1391	
0	0	0.0000	0.0000	
2315	4948	30.8710	9.8957	
94481	14011	13.5670	9.3158	
98094	501	27.9389	2.3651	
33606	1714	16.8032	7.2643	
71114	645	22.1193	7.6810	
14241	646	21.5765	14.3660	
7463	0	21.3227	0.0000	
116846	214	22.8125	2.7800	
66583	104	25.7375	3.1382	
81	0	16.2697	0.0000	
668	0	27.8500	0.0000	
0	59169	0.0000	13.7602	
50587	76	28.8902	2.8014	
9910	4261	19.8207	7.0076	
10417	473	24.8014	15.7607	
3857	282	21.3074	10.8319	
8528	0	22.5020	0.0000	
56720	576	19.4247	5.1015	
131850	1446	16.5412	3.2575	
6152	1047	31.3856	11.5067	
19933	2289	21.7137	16.7104	
23025	496	18.9663	6.6982	
8328	224	26.2703	12.4514	
1220	257	27.7212	16.0867	
12445	838	22.5870	12.1377	
4518	595	28.9588	15.2567	
55179	0	19.0207	0.0000	
26815	7	21.6950	2.3139	
341	2338	28.4167	18.4112	
6961	539	31.0741	19.9507	
18645	425	21.5554	6.9693	
30855	386	19.8555	9.4154	
261752	1021	29.0771	2.6305	
1895	90	29.6080	12.8709	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4095	28777	1291	20.6286	7.5511
4096	38139	22	29.2479	2.0391
4097	41411	460	20.3693	3.1085
4098	475	0	52.7969	0.0000
4099	271	140	19.3890	17.4487
4100	29686	5621	17.3197	8.6607
4101	52405	323	29.8097	2.9058
4102	97248	445	21.0266	3.0471
4103	1894	1098	33.2268	21.1145
4104	79601	17422	19.4243	7.4901
4105	16688	22	35.9654	1.8544
4106	79033	547	18.2398	5.2565
4107	813	0	33.8780	0.0000
4108	15174	1323	22.8183	18.8987
4109	2932	756	39.6167	9.6934
4110	101153	381	20.9948	2.2966
4111	29380	58	19.3287	3.2245
4112	2058	121	18.3761	10.9697
4113	320	76	24.6505	12.6553
4114	12126	394	27.4965	18.7644
4115	12787	0	22.4720	0.0000
4116	12005	629	24.0103	12.8457
4117	12395	3024	24.2562	8.4717
4118	1098	237	29.6885	16.9455
4119	5686	926	18.6428	8.9860
4120	666	0	27.7558	0.0000
4121	23576	274	21.6690	11.4031
4122	31086	1475	20.9472	9.2211
4123	2963	54	24.4903	8.9489
4124	1762	4380	42.9662	11.0607
4125	2656	1242	59.0169	10.7094
4126	123822	1177	22.4559	6.3302
4127	11837	573	22.7205	9.3983
4128	2713	60	38.7619	5.9931
4129	12759	145	46.7360	2.7880
4130	8423	2751	22.3413	10.5819
4131	2863	491	23.0927	10.4563
4132	1262	0	25.7534	0.0000
4133	1842	1	20.2471	1.4543

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
28754	1291	20.6119	7.5511	
38111	22	29.2260	2.0391	
41392	460	20.3603	3.1081	
475	0	52.7872	0.0000	
271	140	19.3884	17.4470	
29680	5620	17.3165	8.6593	
52366	323	29.7870	2.9058	
97216	445	21.0196	3.0467	
1891	1098	33.1788	21.1144	
79597	17419	19.4233	7.4887	
16687	22	35.9624	1.8544	
79014	547	18.2353	5.2557	
813	0	33.8714	0.0000	
15173	1323	22.8163	18.8982	
2931	756	39.6125	9.6930	
101128	381	20.9897	2.2965	
29376	58	19.3260	3.2240	
2058	121	18.3722	10.9709	
320	76	24.6449	12.6553	
12125	394	27.4933	18.7624	
12788	0	22.4753	0.0000	
12007	629	24.0133	12.8457	
12392	3024	24.2496	8.4709	
1098	237	29.6815	16.9455	
5689	926	18.6526	8.9860	
666	0	27.7515	0.0000	
23572	274	21.6652	11.4009	
31070	1475	20.9368	9.2199	
2963	54	24.4857	8.9490	
1761	4379	42.9599	11.0593	
2655	1242	59.0102	10.7096	
123768	1177	22.4461	6.3294	
11834	573	22.7147	9.3983	
2713	60	38.7579	5.9934	
12756	145	46.7256	2.7876	
8427	2751	22.3533	10.5805	
2863	491	23.0887	10.4565	
1261	0	25.7435	0.0000	
1841	1	20.2353	1.4543	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4134	62598	797	21.9181	9.1619
4135	0	0	0.0000	0.0000
4136	1197	0	16.6317	0.0000
4137	1936	11	21.7506	5.5396
4138	4936	725	41.8285	11.1540
4139	0	21	0.0000	10.5231
4140	2094	1350	35.4960	18.0027
4141	42784	421	23.6637	14.0443
4142	2148	63	22.1421	9.0531
4143	9963	222	22.5398	10.5684
4144	3778	0	24.5314	0.0000
4145	0	0	0.0000	0.0000
4146	1809	1059	32.8895	13.7531
4147	34394	10231	13.5624	12.8365
4148	600	0	40.0222	0.0000
4149	41210	4549	15.1787	11.1505
4150	9365	288	28.1237	9.9206
4151	817	3166	30.2710	15.3695
4152	4023	3	34.9783	2.8815
4153	968	807	31.2214	20.1839
4154	215	0	16.5073	0.0000
4155	102311	1412	20.3078	11.9668
4156	0	0	0.0000	0.0000
4157	5762	709	30.4891	13.3732
4158	19973	645	27.8176	10.4069
4159	489	0	27.1855	0.0000
4160	1134	16	45.3660	8.0018
4161	14534	76	22.2921	12.6388
4162	1550	19	20.3915	9.6477
4163	84	0	41.8626	0.0000
4164	81	20	40.5760	9.8931
4165	13994	129	20.3399	8.0613
4166	18	0	3.0184	0.0000
4167	17512	1974	13.4398	9.9206
4168	3102	4159	27.6929	15.3452
4169	331	349	18.3749	15.8731
4170	10670	655	13.6621	10.5679
4171	1901	79	30.1813	11.3010
4172	342	221	28.5150	18.4066

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
62588	797	21.9146	9.1619	
0	0	0.0000	0.0000	
1197	0	16.6293	0.0000	
1935	11	21.7379	5.5396	
4935	725	41.8254	11.1542	
0	21	0.0000	10.5232	
2094	1350	35.4902	18.0031	
42784	421	23.6636	14.0445	
2147	63	22.1390	9.0531	
9961	222	22.5357	10.5684	
3777	0	24.5280	0.0000	
0	0	0.0000	0.0000	
1808	1059	32.8784	13.7523	
34394	10236	13.5622	12.8427	
600	0	40.0129	0.0000	
41212	4549	15.1793	11.1502	
9361	288	28.1125	9.9187	
817	3166	30.2680	15.3711	
4022	3	34.9704	2.8816	
968	807	31.2200	20.1842	
215	0	16.5012	0.0000	
102306	1412	20.3069	11.9666	
0	0	0.0000	0.0000	
5760	709	30.4774	13.3735	
19956	645	27.7937	10.4064	
489	0	27.1821	0.0000	
1134	16	45.3492	8.0019	
14534	76	22.2916	12.6391	
1550	19	20.3916	9.6513	
84	0	41.8556	0.0000	
81	20	40.5437	9.8986	
13993	129	20.3388	8.0628	
18	0	3.0185	0.0000	
17511	1975	13.4386	9.9233	
3101	4159	27.6850	15.3455	
331	349	18.3744	15.8754	
10668	655	13.6598	10.5711	
1901	79	30.1740	11.3013	
342	221	28.4612	18.4065	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4173	32980	100	20.0119	8.3497
4174	14923	18707	14.2533	10.1946
4175	448	834	20.3587	14.6370
4176	78	95	25.9103	9.5359
4177	83060	937	14.5439	8.2882
4178	0	0	0.0000	0.0000
4179	498	418	27.6882	15.4944
4180	97	0	24.3722	0.0000
4181	15952	0	17.6855	0.0000
4182	15157	1476	29.5460	13.6698
4183	1928	31	29.6692	31.4820
4184	389	0	27.7780	0.0000
4185	1685	125	19.1425	12.5322
4186	30079	9397	12.5018	8.7991
4187	43929	3383	15.1689	8.4781
4188	18855	388	14.1021	8.0790
4189	9958	413	14.2254	8.7833
4190	1261	0	17.2762	0.0000
4191	1225	697	20.0764	10.8865
4192	0	0	0.0000	0.0000
4193	9953	467	20.0271	16.6784
4194	3845	321	17.3972	15.2913
4195	0	0	0.0000	0.0000
4196	6560	9364	11.8627	7.8231
4197	23542	3940	10.8791	6.9737
4198	7377	0	14.6075	0.0000
4199	5994	560	10.4054	7.2756
4200	15468	241	17.0923	6.1833
4201	21859	723	17.0643	7.0198
4202	14909	42	18.2706	4.6254
4203	12367	72	33.1545	5.5367
4204	4269	98	26.1884	3.6354
4205	80118	1903	15.7776	9.6100
4206	28266	1580	35.6900	13.5073
4207	3249	56	37.7827	9.2884
4208	50900	4461	10.9204	6.9379
4209	4885	9	21.8070	4.4407
4210	35899	0	20.0778	0.0000
4211	137	690	13.6749	25.5466

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
32979	100	20.0118	8.3510	
14921	18707	14.2512	10.1946	
448	834	20.3575	14.6395	
78	95	25.9111	9.5372	
83019	937	14.5367	8.2903	
0	0	0.0000	0.0000	
498	418	27.6858	15.4945	
97	0	24.3681	0.0000	
15952	0	17.6853	0.0000	
15151	1476	29.5342	13.6665	
1927	31	29.6405	31.4821	
389	0	27.7771	0.0000	
1684	125	19.1420	12.5321	
30075	9400	12.5000	8.8011	
43923	3384	15.1667	8.4805	
18852	388	14.0999	8.0793	
9954	413	14.2202	8.7855	
1261	0	17.2757	0.0000	
1225	697	20.0742	10.8884	
0	0	0.0000	0.0000	
9953	467	20.0267	16.6792	
3845	321	17.3966	15.2914	
0	0	0.0000	0.0000	
6560	9364	11.8629	7.8231	
23541	3940	10.8784	6.9739	
7376	0	14.6069	0.0000	
5992	560	10.4034	7.2758	
15474	241	17.0986	6.1834	
21867	723	17.0705	7.0200	
14912	42	18.2748	4.6250	
12365	72	33.1491	5.5366	
4268	98	26.1860	3.6351	
80116	1903	15.7770	9.6102	
28240	1580	35.6562	13.5077	
3247	56	37.7503	9.2886	
50894	4461	10.9191	6.9379	
4886	9	21.8138	4.4414	
35904	0	20.0803	0.0000	
137	690	13.6743	25.5474	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4212	0	744	0.0000	11.4401
4213	17110	2729	11.0461	6.2872
4214	2344	6606	11.1595	7.9499
4215	15071	22	9.6985	1.5976
4216	17860	828	12.5683	6.7836
4217	15266	331	17.0002	5.9162
4218	2173	38	18.7346	6.4159
4219	17183	200	17.9924	5.8908
4220	6059	103	12.9182	12.8377
4221	3592	0	32.9575	0.0000
4222	2125	0	4.2577	0.0000
4223	14653	1207	31.9235	15.0831
4224	35026	5119	13.4250	9.5326
4225	38925	857	16.7132	12.0685
4226	60	0	7.5295	0.0000
4227	495	100	24.7323	10.0017
4228	864	643	23.3625	12.8587
4229	7201	11	10.6205	2.7302
4230	1351	1879	20.7894	13.5152
4231	10074	4889	8.6624	7.6035
4232	27755	1277	9.0232	4.6431
4233	10724	11	11.6694	2.1343
4234	2982	63	13.6800	5.7000
4235	32180	377	30.3010	9.2062
4236	3757	0	10.2378	0.0000
4237	19768	964	13.8235	8.0323
4238	2308	18	11.8345	5.8962
4239	13	0	2.1951	0.0000
4240	38531	9	15.1279	1.1172
4241	16908	1269	14.0079	7.5108
4242	12403	209	15.5626	8.3628
4243	1294	1668	14.0625	12.2647
4244	9973	421	18.2325	13.1607
4245	2566	7321	10.9653	16.7910
4246	0	201	0.0000	20.0577
4247	75	632	24.8974	11.0876
4248	0	0	0.0000	0.0000
4249	113	3309	16.1739	13.6717
4250	15016	1315	17.3800	8.3218

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	744	0.0000	11.4400	
17109	2729	11.0450	6.2872	
2343	6606	11.1589	7.9500	
15070	22	9.6977	1.5976	
17857	828	12.5668	6.7835	
15269	331	17.0034	5.9162	
2173	38	18.7342	6.4160	
17186	200	17.9961	5.8910	
6058	103	12.9178	12.8388	
3589	0	32.9277	0.0000	
2125	0	4.2576	0.0000	
14649	1207	31.9148	15.0822	
35028	5119	13.4257	9.5326	
38923	857	16.7122	12.0696	
60	0	7.5285	0.0000	
495	100	24.7369	10.0044	
864	643	23.3599	12.8601	
7201	11	10.6204	2.7303	
1351	1879	20.7865	13.5170	
10074	4889	8.6624	7.6035	
27758	1277	9.0240	4.6431	
10724	11	11.6692	2.1342	
2982	63	13.6800	5.7000	
32176	377	30.2976	9.2063	
3757	0	10.2357	0.0000	
19765	964	13.8218	8.0323	
2308	18	11.8338	5.8965	
13	0	2.1951	0.0000	
38535	9	15.1294	1.1174	
16906	1269	14.0066	7.5111	
12402	209	15.5612	8.3647	
1294	1668	14.0624	12.2666	
9973	421	18.2317	13.1624	
2566	7322	10.9648	16.7935	
0	201	0.0000	20.0619	
75	632	24.8965	11.0887	
0	0	0.0000	0.0000	
113	3309	16.1699	13.6742	
15017	1315	17.3813	8.3242	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4251	4491	4664	6.5844	11.4587
4252	29924	900	12.5257	9.6804
4253	27985	533	19.4610	12.9994
4254	17667	49	12.1923	4.9088
4255	35664	13166	9.7549	6.8039
4256	8264	187	7.6163	7.4889
4257	27947	1082	16.1356	7.7320
4258	5623	1984	9.4662	7.8094
4259	29381	1433	10.8616	6.8549
4260	5305	22	8.8559	4.4001
4261	6759	300	8.3854	7.3185
4262	6493	2154	7.3863	6.0179
4263	15956	1669	10.4838	8.1439
4264	1925	598	14.0537	8.5367
4265	643	1562	19.4712	7.6202
4266	8892	713	11.6085	7.3545
4267	18261	4588	11.8115	8.9963
4268	6517	2780	12.6050	13.2372
4269	10653	8233	8.4611	11.2318
4270	980	5483	12.8905	16.3181
4271	5849	1334	11.8633	6.8772
4272	60637	3886	13.1362	8.9737
4273	18786	1263	23.6899	12.6312
4274	9576	415	14.9625	10.3771
4275	30203	2737	12.6902	7.4174
4276	0	61	0.0000	15.2947
4277	17410	5838	10.1692	7.4175
4278	8469	2200	9.9291	7.1206
4279	3300	4182	10.9645	7.6322
4280	8262	243	15.7981	8.0887
4281	29879	739	10.5024	8.8981
4282	18772	531	8.6667	6.8071
4283	11472	1312	11.9995	6.1288
4284	7540	2885	9.2625	7.9698
4285	16561	11486	9.0947	7.7923
4286	3044	24529	9.7565	8.0448
4287	12317	35	18.4382	5.0528
4288	11514	4172	11.8583	9.0494
4289	18064	60	11.8455	3.3523

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
4491	4664	6.5844	11.4597	
29921	900	12.5244	9.6813	
27984	533	19.4604	13.0007	
17667	49	12.1929	4.9086	
35661	13165	9.7541	6.8039	
8263	187	7.6154	7.4889	
27945	1083	16.1344	7.7339	
5623	1984	9.4657	7.8096	
29380	1433	10.8612	6.8548	
5304	22	8.8554	4.4001	
6758	300	8.3849	7.3184	
6492	2154	7.3861	6.0179	
15954	1669	10.4821	8.1439	
1925	598	14.0517	8.5393	
643	1562	19.4737	7.6204	
8892	713	11.6084	7.3545	
18260	4589	11.8113	8.9982	
6517	2780	12.6050	13.2388	
10653	8234	8.4612	11.2331	
980	5484	12.8896	16.3206	
5849	1334	11.8631	6.8771	
60636	3886	13.1361	8.9745	
18785	1263	23.6890	12.6326	
9576	415	14.9622	10.3782	
30199	2737	12.6888	7.4177	
0	61	0.0000	15.2973	
17410	5838	10.1692	7.4175	
8469	2200	9.9282	7.1205	
3300	4183	10.9640	7.6324	
8258	243	15.7894	8.0886	
29879	739	10.5023	8.8990	
18773	531	8.6673	6.8071	
11470	1312	11.9982	6.1300	
7539	2885	9.2621	7.9699	
16563	11486	9.0953	7.7923	
3040	24531	9.7440	8.0456	
12316	35	18.4368	5.0539	
11517	4172	11.8610	9.0496	
18063	60	11.8443	3.3523	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4290	41026	458	17.3400	6.4482
4291	5651	552	17.8270	6.1292
4292	15832	3	11.6157	0.5816
4293	6405	905	13.6564	12.7530
4294	28472	846	34.2619	11.7569
4295	6610	1503	12.0836	6.9920
4296	5022	505	9.0810	6.5524
4297	7662	1103	9.1211	6.6470
4298	7742	702	9.1953	6.8190
4299	15045	100	17.5553	9.1068
4300	83	0	27.8133	0.0000
4301	11191	218	13.5651	6.3975
4302	57291	9987	15.7652	12.2535
4303	7420	119	23.1156	19.8412
4304	2666	27	11.5424	5.4207
4305	0	1756	0.0000	12.1106
4306	19264	9248	11.7825	9.1743
4307	1118	2502	18.3263	9.6976
4308	6201	227	10.3701	6.6859
4309	4147	3915	8.6580	6.4070
4310	11495	735	11.0108	6.5591
4311	17719	1916	13.5568	5.8765
4312	2688	0	13.3729	0.0000
4313	3145	91	18.6108	8.2360
4314	6164	2433	9.1050	5.8626
4315	70039	674	13.2776	8.6384
4316	5865	769	10.6635	5.4922
4317	22284	1280	11.1980	4.9215
4318	20076	30	12.3016	1.6753
4319	25305	937	11.7642	5.2668
4320	11673	1516	8.1230	7.2897
4321	463	260	15.4289	9.2992
4322	10218	141	12.0781	3.8175
4323	12095	16	11.0351	1.4133
4324	14760	6801	9.2830	7.2116
4325	41474	856	19.4076	12.0571
4326	6231	124	8.9016	5.8837
4327	11656	316	14.9823	9.0248
4328	8963	0	18.1809	0.0000

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
41022	458	17.3379	6.4499	
5650	552	17.8232	6.1305	
15830	3	11.6140	0.5816	
6405	906	13.6562	12.7541	
28468	846	34.2573	11.7566	
6609	1503	12.0826	6.9922	
5020	505	9.0769	6.5524	
7663	1103	9.1225	6.6469	
7742	702	9.1950	6.8191	
15045	100	17.5551	9.1067	
83	0	27.8093	0.0000	
11190	218	13.5638	6.3975	
57283	9987	15.7630	12.2537	
7420	119	23.1162	19.8430	
2666	27	11.5428	5.4207	
0	1756	0.0000	12.1117	
19263	9248	11.7819	9.1750	
1118	2502	18.3249	9.6974	
6200	227	10.3687	6.6863	
4147	3915	8.6576	6.4069	
11494	735	11.0092	6.5595	
17720	1916	13.5581	5.8766	
2688	0	13.3723	0.0000	
3145	91	18.6114	8.2383	
6164	2433	9.1049	5.8625	
70038	674	13.2773	8.6392	
5864	769	10.6623	5.4922	
22283	1280	11.1973	4.9215	
20076	30	12.3013	1.6753	
25304	937	11.7639	5.2668	
11668	1516	8.1194	7.2897	
463	260	15.4299	9.3012	
10218	141	12.0785	3.8175	
12095	16	11.0356	1.4133	
14758	6801	9.2821	7.2116	
41473	856	19.4071	12.0579	
6230	124	8.9004	5.8838	
11655	316	14.9810	9.0247	
8962	0	18.1783	0.0000	

No Build - 2012				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4329	24131	320	12.8427	6.8127
4330	10993	661	13.8632	7.0294
4331	8433	1014	10.3855	5.9995
4332	9409	408	16.1112	8.6734
4333	9272	382	20.5127	13.6329
4334	32457	491	13.6835	5.6435
4335	10216	599	13.5135	8.1993
4336	34760	86	15.3398	5.7060
4337	75	0	25.1144	0.0000
4338	6233	49	11.9408	4.9332
4339	15270	1689	14.5708	7.8546
4340	70385	1571	14.3732	15.5520
4341	32055	2530	13.7400	7.4412
4342	11485	8621	10.1011	12.3863
4343	7838	150	13.4216	9.3688
4344	9747	3521	14.1465	11.6213
4345	21253	49	12.8803	3.7687
4346	19163	2348	10.3307	5.9153
4347	5437	1404	10.3958	6.6870
4348	39554	769	38.4021	13.0421
4349	11082	807	21.4764	9.8442
4350	0	0	0.0000	0.0000
4351	0	0	0.0000	0.0000
4352	2391	103	26.5711	10.2650
4353	30423	201	21.6071	6.9152
4354	0	0	0.0000	0.0000
4355	21807	431	15.8020	5.5282
4356	12060	153	16.4529	5.2683
4357	0	0	0.0000	0.0000
4358	18732	297	15.4428	6.1900
4359	17557	744	15.6201	5.6802
4360	43027	224	16.8007	4.9850
4361	188	0	11.7567	0.0000
4362	903	8	20.9989	8.3054
4363	8672	10	27.0154	5.1380
4364	0	0	0.0000	0.0000
4365	0	0	0.0000	0.0000
4366	8405	1189	24.0833	7.0383
4367	19386	4815	9.7318	12.4736

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
24130	320	12.8418	6.8127	
10993	661	13.8624	7.0294	
8430	1014	10.3818	5.9996	
9408	408	16.1094	8.6733	
9272	382	20.5123	13.6339	
32455	491	13.6827	5.6434	
10216	599	13.5132	8.1995	
34760	86	15.3398	5.7059	
75	0	25.1159	0.0000	
6233	49	11.9412	4.9332	
15269	1689	14.5697	7.8548	
70383	1571	14.3727	15.5542	
32055	2530	13.7398	7.4412	
11485	8622	10.1009	12.3873	
7838	150	13.4212	9.3696	
9747	3522	14.1460	11.6223	
21253	49	12.8806	3.7687	
19159	2348	10.3286	5.9147	
5436	1404	10.3947	6.6870	
39549	769	38.3968	13.0415	
11082	807	21.4764	9.8443	
0	0	0.0000	0.0000	
0	0	0.0000	0.0000	
2391	103	26.5684	10.2651	
30422	201	21.6065	6.9152	
0	0	0.0000	0.0000	
21807	431	15.8023	5.5276	
12061	153	16.4536	5.2682	
0	0	0.0000	0.0000	
18730	297	15.4412	6.1899	
17553	744	15.6169	5.6802	
43023	224	16.7993	4.9851	
188	0	11.7555	0.0000	
903	8	20.9988	8.3061	
8671	10	27.0116	5.1379	
0	0	0.0000	0.0000	
0	0	0.0000	0.0000	
8404	1189	24.0797	7.0377	
19385	4815	9.7316	12.4747	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4368	29373	383	14.2518	9.8302
4369	887	1452	22.7362	10.4479
4370	825	0	12.1347	0.0000
4371	2707	0	17.5751	0.0000
4372	17847	840	14.9978	7.6365
4373	7351	238	25.0031	18.3391
4374	11347	258	16.1871	6.7877
4375	28745	199	76.2462	3.7460
4376	2794	160	27.1214	22.8540
4377	22558	892	26.0785	14.6270
4378	4245	527	18.4566	7.9910
4379	3493	0	24.5953	0.0000
4380	20900	1518	16.1138	8.2967
4381	15778	662	15.7936	6.6232
4382	4093	82	9.4533	8.2350
4383	6251	5743	10.2644	11.4861
4384	15332	861	25.0114	7.6192
4385	0	1394	0.0000	9.9554
4386	3257	540	21.8602	9.1559
4387	17890	28	19.2782	4.0377
4388	549	7	20.3437	7.2439
4389	22155	1338	25.0052	16.3147
4390	973	12	29.4764	12.4577
4391	44325	354	18.1067	4.6597
4392	33665	66	18.6199	6.6338
4393	28	96	3.4935	7.3802
4394	0	0	0.0000	0.0000
4395	17475	133	36.2544	11.0822
4396	33473	1008	14.8902	14.6155
4397	26001	8048	10.2368	13.1083
4398	15639	463	9.9356	8.7329
4399	13175	9347	9.3642	11.9523
4400	3687	104	15.2367	14.8502
4401	6937	2127	26.2782	25.6303
4402	452	0	32.2786	0.0000
4403	17354	114	14.7192	4.7619
4404	37510	1064	21.3613	7.9391
4405	36177	102	19.4814	7.2724
4406	27697	1350	36.5401	15.0039

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
29372	383	14.2514	9.8309	
887	1452	22.7377	10.4459	
825	0	12.1346	0.0000	
2707	0	17.5752	0.0000	
17843	840	14.9940	7.6354	
7350	238	25.0003	18.3402	
11347	258	16.1865	6.7869	
28741	199	76.2356	3.7458	
2794	160	27.1215	22.8556	
22557	892	26.0780	14.6245	
4244	527	18.4532	7.9901	
3492	0	24.5944	0.0000	
20898	1518	16.1129	8.2954	
15776	662	15.7916	6.6224	
4093	82	9.4532	8.2357	
6251	5743	10.2641	11.4870	
15327	861	25.0024	7.6182	
0	1394	0.0000	9.9539	
3257	540	21.8592	9.1550	
17887	28	19.2745	4.0372	
549	7	20.3434	7.2443	
22152	1338	25.0027	16.3117	
972	12	29.4440	12.4584	
44324	354	18.1064	4.6592	
33668	66	18.6216	6.6329	
28	96	3.4929	7.3794	
0	0	0.0000	0.0000	
17474	133	36.2526	11.0818	
33473	1009	14.8901	14.6167	
26001	8049	10.2366	13.1092	
15638	463	9.9353	8.7335	
13175	9347	9.3639	11.9531	
3687	104	15.2365	14.8514	
6938	2127	26.2786	25.6320	
451	0	32.2488	0.0000	
17357	114	14.7217	4.7613	
37507	1064	21.3591	7.9382	
36180	102	19.4828	7.2715	
27696	1350	36.5381	15.0029	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4407	256	38	23.3032	9.4951
4408	6388	6510	6.2940	13.0729
4409	5515	289	6.2600	8.0261
4410	16684	1028	24.9017	15.1103
4411	17997	262	10.0318	10.9033
4412	8133	2780	4.8499	14.4771
4413	9403	11071	6.1616	14.4154
4414	45	0	15.0575	0.0000
4415	7575	452	9.5158	13.2956
4416	6082	2989	9.8576	15.5688
4417	9819	15121	5.8554	15.3821
4418	5824	58	25.6542	9.6164
4419	15162	95	24.6130	9.5137
4420	103	2459	25.7328	17.5614
4421	1114	30401	16.6330	19.2776
4422	48448	693	32.8458	11.7393
4423	0	0	0.0000	0.0000
4424	0	16353	0.0000	18.9714
4425	0	0	0.0000	0.0000
4426	2983	3097	24.8560	28.1524
4427	10	102	2.4691	20.3363
4428	7251	43829	9.5528	25.3932
4429	81	0	13.4540	0.0000
4430	726	52	30.2310	17.3573
4431	1859	31946	9.0699	21.0446
4432	4042	4514	19.8142	32.2413
4433	7994	1130	18.9881	23.0516
4434	15667	343	38.0264	19.0831
4435	0	58812	0.0000	23.7434
4436	29974	291	37.5147	12.6336
4437	11258	3734	9.1156	23.0512
4438	0	53762	0.0000	25.5282
4439	3044	1440	23.5956	37.8912
4440	0	7111	0.0000	28.9050
4441	19720	5091	16.7687	27.8171
4442	95871	25844	23.1628	19.0732
4443	0	0	0.0000	0.0000
4444	23716	2845	34.5712	21.3919
4445	0	0	0.0000	0.0000

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
256	38	23.3009	9.4941	
6388	6511	6.2940	13.0740	
5515	289	6.2600	8.0266	
16683	1027	24.8995	15.1083	
17997	262	10.0316	10.9040	
8133	2780	4.8499	14.4781	
9403	11072	6.1616	14.4166	
45	0	15.0566	0.0000	
7575	452	9.5157	13.2965	
6082	2989	9.8573	15.5698	
9819	15122	5.8554	15.3834	
5823	58	25.6535	9.6153	
15161	95	24.6124	9.5129	
103	2459	25.7319	17.5626	
1114	30403	16.6328	19.2790	
48446	693	32.8449	11.7388	
0	0	0.0000	0.0000	
0	16355	0.0000	18.9728	
0	0	0.0000	0.0000	
2983	3097	24.8554	28.1549	
10	102	2.4691	20.3380	
7251	43832	9.5528	25.3950	
81	0	13.4537	0.0000	
726	52	30.2311	17.3553	
1859	31948	9.0698	21.0458	
4042	4514	19.8138	32.2433	
7994	1130	18.9875	23.0513	
15666	343	38.0250	19.0825	
0	58815	0.0000	23.7446	
29974	291	37.5143	12.6330	
11258	3734	9.1156	23.0523	
0	53765	0.0000	25.5294	
3044	1440	23.5950	37.8971	
0	7111	0.0000	28.9063	
19720	5091	16.7687	27.8184	
95869	25842	23.1624	19.0718	
0	0	0.0000	0.0000	
23715	2845	34.5704	21.3912	
0	0	0.0000	0.0000	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4446	56490	2204	31.5234	12.5201
4447	113	0	37.8297	0.0000
4448	19923	3964	29.3414	13.8604
4449	2098	857	40.3504	24.4926
4450	0	0	0.0000	0.0000
4451	22453	2258	24.9751	28.5764
4452	23844	148	43.7504	12.3505
4453	1198	0	28.5356	0.0000
4454	0	707	0.0000	28.2693
4455	0	0	0.0000	0.0000
4456	3530	7673	35.6528	29.0644
4457	0	204	0.0000	29.0785
4458	0	469	0.0000	27.5696
4459	0	696	0.0000	29.0182
4460	0	0	0.0000	0.0000
4461	722	136	48.1278	27.2049
4462	8573	655	26.8739	22.6033
4463	14234	1043	17.7259	21.7275
4464	1308	0	23.7784	0.0000
4465	0	0	0.0000	0.0000
4466	664	0	33.2213	0.0000
4467	57270	1306	38.4623	14.0449
4468	0	0	0.0000	0.0000
4469	0	0	0.0000	0.0000
4470	1553	0	20.9885	0.0000
4471	0	107	0.0000	21.4176
4472	0	0	0.0000	0.0000
4473	0	835	0.0000	20.8820
4474	0	0	0.0000	0.0000
4475	7972	0	21.0341	0.0000
4476	0	615	0.0000	18.6399
4477	0	0	0.0000	0.0000
4478	339	0	16.9732	0.0000
4479	0	0	0.0000	0.0000
4480	3396	1583	12.3026	16.1578
4481	5638	520	23.2002	24.7593
4482	9440	1302	42.1436	28.9383
4483	1101	0	18.6591	0.0000
4484	8648	6189	10.0323	14.5968

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
56482	2203	31.5189	12.5196	
113	0	37.8264	0.0000	
19923	3964	29.3417	13.8599	
2099	857	40.3581	24.4907	
0	0	0.0000	0.0000	
22453	2258	24.9757	28.5772	
23844	148	43.7509	12.3499	
1198	0	28.5355	0.0000	
0	707	0.0000	28.2698	
0	0	0.0000	0.0000	
3530	7673	35.6531	29.0638	
0	204	0.0000	29.0792	
0	469	0.0000	27.5703	
0	696	0.0000	29.0160	
0	0	0.0000	0.0000	
722	136	48.1242	27.2038	
8573	656	26.8742	22.6037	
14233	1043	17.7253	21.7279	
1308	0	23.7781	0.0000	
0	0	0.0000	0.0000	
664	0	33.2210	0.0000	
57262	1306	38.4566	14.0446	
0	0	0.0000	0.0000	
0	0	0.0000	0.0000	
1553	0	20.9884	0.0000	
0	107	0.0000	21.4180	
0	0	0.0000	0.0000	
0	835	0.0000	20.8822	
0	0	0.0000	0.0000	
7972	0	21.0340	0.0000	
0	615	0.0000	18.6402	
0	0	0.0000	0.0000	
339	0	16.9732	0.0000	
0	0	0.0000	0.0000	
3396	1583	12.3026	16.1581	
5638	520	23.2002	24.7597	
9439	1302	42.1406	28.9375	
1101	0	18.6589	0.0000	
8648	6189	10.0324	14.5970	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4485	27082	4161	11.8471	14.3001
4486	10033	15843	10.4077	15.9548
4487	10098	13239	8.7054	15.1307
4488	1744	1331	31.7079	30.9499
4489	533	140	15.6646	15.5153
4490	4496	44264	11.3820	14.4466
4491	10680	1899	15.7983	12.3334
4492	0	0	0.0000	0.0000
4493	9437	54063	5.4678	13.2443
4494	9873	48252	6.3047	13.6342
4495	15385	6025	8.5474	13.4191
4496	7616	1199	16.2389	17.9024
4497	11240	4977	8.0634	13.5614
4498	15947	6060	7.8713	11.7663
4499	15862	1244	8.0230	13.8215
4500	6656	1542	14.4382	14.1510
4501	10821	7561	6.3994	12.2354
4502	2187	2965	9.5931	19.7695
4503	11820	443	9.7201	11.6528
4504	15	0	2.4513	0.0000
4505	13927	1132	15.1217	9.7564
4506	5516	48	18.2637	7.9678
4507	1608	221	17.2919	16.9920
4508	0	0	0.0000	0.0000
4509	7901	8236	5.2362	13.1140
4510	9318	3305	6.5116	13.2181
4511	13534	6381	8.6702	13.2112
4512	2317	50	14.5714	12.6132
4513	46206	1339	20.2746	15.5682
4514	8026	3205	8.3339	12.4718
4515	18956	28733	5.2320	12.2529
4516	8909	10927	10.0894	14.5108
4517	37934	1986	9.0147	14.4982
4518	2528	3	17.8056	2.9266
4519	15167	2610	8.0123	11.4967
4520	5641	1136	7.4318	11.4792
4521	23817	609	12.3023	7.5240
4522	8189	6553	25.0427	9.9584
4523	7205	2340	10.5648	9.7912

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
27082	4161	11.8471	14.3003	
10033	15843	10.4077	15.9551	
10098	13240	8.7054	15.1309	
1744	1331	31.7098	30.9490	
533	140	15.6646	15.5155	
4496	44265	11.3820	14.4468	
10680	1899	15.7983	12.3336	
0	0	0.0000	0.0000	
9437	54064	5.4678	13.2446	
9873	48252	6.3047	13.6344	
15387	6025	8.5483	13.4194	
7616	1199	16.2386	17.9027	
11240	4977	8.0634	13.5616	
15948	6060	7.8715	11.7664	
15862	1244	8.0230	13.8217	
6656	1542	14.4382	14.1512	
10821	7562	6.3994	12.2366	
2187	2965	9.5929	19.7698	
11820	443	9.7200	11.6529	
15	0	2.4513	0.0000	
13927	1132	15.1219	9.7565	
5516	48	18.2636	7.9679	
1608	221	17.2922	16.9923	
0	0	0.0000	0.0000	
7901	8236	5.2362	13.1142	
9318	3305	6.5116	13.2183	
13535	6381	8.6707	13.2114	
2317	50	14.5723	12.6134	
46205	1339	20.2744	15.5684	
8026	3205	8.3339	12.4720	
18956	28733	5.2320	12.2530	
8909	10927	10.0893	14.5110	
37934	1986	9.0147	14.4984	
2528	3	17.8054	2.9267	
15168	2610	8.0124	11.4969	
5641	1136	7.4318	11.4793	
23817	609	12.3023	7.5242	
8189	6553	25.0427	9.9586	
7205	2340	10.5648	9.7914	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4524	150	0	24.9668	0.0000
4525	76	0	15.2360	0.0000
4526	393	2294	11.9238	13.4145
4527	3220	179	14.5716	11.1830
4528	0	0	0.0000	0.0000
4529	8551	938	9.7618	11.3065
4530	50695	426	19.4011	10.3809
4531	0	10508	0.0000	15.3395
4532	2783	119	8.4591	10.8018
4533	206	104	17.1743	14.8320
4534	18018	4741	9.9986	9.0994
4535	11785	1172	10.9125	6.0104
4536	40843	4752	10.6307	9.4108
4537	1961	135	8.7152	11.2389
4538	4976	6324	8.1179	13.8990
4539	1045	6345	11.6154	12.9489
4540	2621	1382	9.7784	14.5521
4541	2867	14425	14.4086	13.8171
4542	17238	10839	6.4419	12.1785
4543	0	0	0.0000	0.0000
4544	0	1292	0.0000	13.3184
4545	4368	2901	23.2320	28.1609
4546	13085	2593	13.8468	8.1786
4547	14795	187	15.7061	6.0387
4548	26957	1789	11.2085	7.9867
4549	20894	172	9.9166	8.5876
4550	17719	1284	11.4986	9.1738
4551	13388	4632	8.5820	13.6245
4552	1021	202	14.1827	10.0947
4553	0	386	0.0000	11.6937
4554	23906	2563	11.5323	9.4215
4555	528	203	105.5970	13.5551
4556	0	7623	0.0000	11.5505
4557	15511	5547	6.6288	10.3678
4558	1656	3	14.4031	3.2660
4559	14	6414	1.9879	14.5124
4560	35381	1526	10.0342	9.9716
4561	0	237	0.0000	14.8273
4562	7820	5076	11.2354	12.4407

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
150	0	24.9666	0.0000	
76	0	15.2251	0.0000	
393	2294	11.9238	13.4142	
3220	179	14.5715	11.1833	
0	0	0.0000	0.0000	
8551	938	9.7619	11.3066	
50695	426	19.4010	10.3811	
0	10508	0.0000	15.3397	
2783	119	8.4593	10.8019	
206	104	17.1796	14.8322	
18018	4741	9.9987	9.0996	
11785	1172	10.9124	6.0105	
40843	4753	10.6307	9.4110	
1961	135	8.7151	11.2389	
4976	6324	8.1179	13.8992	
1045	6345	11.6154	12.9491	
2621	1382	9.7784	14.5524	
2867	14425	14.4086	13.8173	
17239	10839	6.4419	12.1787	
0	0	0.0000	0.0000	
0	1292	0.0000	13.3187	
4367	2901	23.2311	28.1613	
13085	2593	13.8467	8.1787	
14795	187	15.7060	6.0388	
26956	1789	11.2084	7.9868	
20894	172	9.9167	8.5877	
17719	1284	11.4986	9.1739	
13388	4632	8.5821	13.6247	
1021	202	14.1827	10.0949	
0	386	0.0000	11.6938	
23906	2563	11.5322	9.4216	
528	203	105.5967	13.5553	
0	7623	0.0000	11.5507	
15511	5547	6.6288	10.3680	
1656	3	14.4028	3.2660	
14	6415	1.9880	14.5127	
35381	1526	10.0342	9.9718	
0	237	0.0000	14.8275	
7820	5076	11.2354	12.4410	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4563	39494	852	12.8062	7.9640
4564	13093	159	12.7112	7.5892
4565	0	0	0.0000	0.0000
4566	8494	880	13.1080	8.1474
4567	8259	87	17.2773	7.8920
4568	1912	103	10.1691	11.4199
4569	8087	5092	6.9473	11.7860
4570	12997	193	13.9306	9.6523
4571	3028	96	17.4051	10.6908
4572	6219	98	13.9744	6.5251
4573	3670	4366	8.9288	12.0285
4574	22016	515	32.9091	19.0826
4575	32845	5362	6.5901	10.4735
4576	14969	804	11.2377	16.4159
4577	0	1852	0.0000	13.8188
4578	28851	1548	6.2597	7.6646
4579	27079	1148	5.3191	6.4846
4580	5021	1684	8.6264	12.5699
4581	5576	1652	5.9892	13.0116
4582	194	3884	16.1409	13.3459
4583	13171	544	11.5836	11.0936
4584	36527	354	15.0689	7.0730
4585	541	56	14.6239	9.3739
4586	46	0	45.8272	0.0000
4587	0	0	0.0000	0.0000
4588	454	42	12.9653	10.4641
4589	0	97	0.0000	13.7930
4590	582	11105	22.3968	12.5620
4591	0	0	0.0000	0.0000
4592	455	0	23.9413	0.0000
4593	0	0	0.0000	0.0000
4594	5519	1167	5.2465	12.6848
4595	3581	817	8.8198	10.0904
4596	21868	7996	6.5709	10.8943
4597	1295	10462	8.5223	12.9807
4598	23521	4287	6.7377	8.0579
4599	39986	7095	6.3129	8.6838
4600	7157	8508	7.0998	8.9655
4601	3609	1188	20.6219	13.3524

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
39494	852	12.8061	7.9641	
13092	159	12.7112	7.5887	
0	0	0.0000	0.0000	
8494	880	13.1079	8.1475	
8259	87	17.2772	7.8921	
1912	103	10.1690	11.4200	
8087	5092	6.9473	11.7862	
12997	193	13.9305	9.6524	
3028	96	17.4049	10.6909	
6219	98	13.9744	6.5252	
3670	4366	8.9288	12.0288	
22016	515	32.9092	19.0825	
32845	5363	6.5901	10.4737	
14969	804	11.2377	16.4162	
0	1852	0.0000	13.8190	
28851	1548	6.2597	7.6649	
27079	1148	5.3191	6.4846	
5021	1684	8.6264	12.5702	
5576	1653	5.9893	13.0118	
194	3884	16.1409	13.3462	
13171	544	11.5836	11.0937	
36527	354	15.0688	7.0731	
541	56	14.6239	9.3740	
46	0	45.8263	0.0000	
0	0	0.0000	0.0000	
454	42	12.9652	10.4643	
0	97	0.0000	13.7931	
582	11105	22.3968	12.5623	
0	0	0.0000	0.0000	
455	0	23.9413	0.0000	
0	0	0.0000	0.0000	
5519	1167	5.2465	12.6850	
3581	817	8.8198	10.0905	
21869	7997	6.5711	10.8944	
1295	10463	8.5223	12.9811	
23521	4287	6.7377	8.0580	
39986	7095	6.3130	8.6838	
7157	8508	7.0998	8.9656	
3609	1188	20.6219	13.3526	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4602	640	491	26.6872	13.2571
4603	25170	6463	7.3942	12.1255
4604	1123	324	8.3825	13.5172
4605	791	2561	35.9597	10.0443
4606	8719	7813	10.7781	16.0424
4607	3264	1138	11.7822	14.5903
4608	0	0	0.0000	0.0000
4609	44789	4330	8.1286	10.7982
4610	6855	8508	11.3124	11.2237
4611	14633	1456	16.7621	11.7409
4612	18082	4055	10.0961	9.9378
4613	0	0	0.0000	0.0000
4614	16443	2377	9.8341	12.3164
4615	22506	471	21.1723	10.4765
4616	8039	11199	7.2103	14.3022
4617	5793	149	12.9319	13.5835
4618	2423	1167	10.4461	20.8363
4619	0	748	0.0000	18.2381
4620	11608	349	13.2664	15.1613
4621	7791	5440	9.5824	14.1667
4622	0	144	0.0000	13.1297
4623	20645	2425	10.4109	14.0147
4624	22945	917	17.6227	12.2259
4625	614	393	16.1474	14.5567
4626	4313	1323	11.0020	14.8640
4627	914	1217	8.9656	18.1602
4628	497	670	15.5218	15.9444
4629	1531	69	12.5456	13.7252
4630	437	1329	218.5482	14.2861
4631	13227	10332	10.5648	15.2391
4632	7672	1764	8.1530	16.6459
4633	5728	16786	6.7942	15.9106
4634	4468	521	33.0976	28.9226
4635	0	465	0.0000	15.0030
4636	1054	0	8.2360	0.0000
4637	0	693	0.0000	18.7208
4638	3260	2646	9.3149	16.9639
4639	15521	13719	11.0864	15.0756
4640	0	646	0.0000	16.1601

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
640	491	26.6870	13.2574	
25170	6463	7.3942	12.1257	
1123	324	8.3824	13.5174	
791	2561	35.9597	10.0445	
8720	7813	10.7781	16.0424	
3264	1138	11.7821	14.5905	
0	0	0.0000	0.0000	
44788	4330	8.1285	10.7983	
6855	8508	11.3126	11.2239	
14633	1456	16.7621	11.7412	
18082	4055	10.0961	9.9379	
0	0	0.0000	0.0000	
16443	2377	9.8341	12.3166	
22506	471	21.1721	10.4766	
8039	11199	7.2103	14.3024	
5793	149	12.9319	13.5837	
2423	1167	10.4460	20.8366	
0	748	0.0000	18.2384	
11608	349	13.2667	15.1612	
7791	5440	9.5824	14.1668	
0	144	0.0000	13.1298	
20645	2425	10.4109	14.0148	
22945	917	17.6225	12.2261	
614	393	16.1473	14.5568	
4313	1323	11.0020	14.8642	
914	1217	8.9656	18.1606	
497	670	15.5218	15.9445	
1531	69	12.5456	13.7253	
437	1329	218.5482	14.2865	
13227	10332	10.5649	15.2392	
7672	1764	8.1531	16.6454	
5727	16786	6.7942	15.9109	
4468	521	33.0969	28.9226	
0	465	0.0000	15.0032	
1054	0	8.2360	0.0000	
0	693	0.0000	18.7211	
3260	2646	9.3150	16.9642	
15521	13719	11.0864	15.0757	
0	646	0.0000	16.1606	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4641	2005	23252	6.7296	15.0304
4642	5054	920	30.2648	27.8841
4643	13117	45985	10.5440	18.4307
4644	4186	30050	10.3346	16.9967
4645	0	7982	0.0000	15.0319
4646	3239	20413	5.3186	15.1885
4647	260	0	11.8347	0.0000
4648	5456	5798	11.1341	14.8679
4649	7605	9343	7.3546	15.7558
4650	1918	283	5.9007	16.6217
4651	466	0	5.4182	0.0000
4652	9865	12978	6.6519	14.7648
4653	855	668	13.7908	23.8689
4654	23724	33616	7.3043	17.6182
4655	2925	30130	12.0384	12.9984
4656	9196	4358	5.6351	12.8173
4657	1877	306	6.4960	17.0209
4658	281	8796	23.3808	15.2980
4659	3544	241	17.6329	14.1910
4660	0	7971	0.0000	15.0114
4661	4948	8201	9.7782	15.1586
4662	18346	3982	7.4516	14.7473
4663	12520	1783	8.6887	15.1064
4664	21373	2550	7.2722	15.4561
4665	11661	51261	6.9410	14.5256
4666	13736	38687	3.5661	13.7285
4667	1388	1164	9.5099	16.8748
4668	8044	9254	4.7571	12.4553
4669	2373	141	11.5733	14.1056
4670	20436	4435	15.7080	19.8900
4671	24038	13809	6.2485	13.5387
4672	28731	16860	10.8378	15.2993
4673	8882	5157	8.8467	18.4831
4674	23127	1322	10.0332	15.9302
4675	4349	77	41.8137	15.4716
4676	3311	24999	14.7175	16.0659
4677	11737	5986	6.0068	13.7923
4678	11317	19323	5.1465	13.3445
4679	11278	20403	6.1697	12.8804

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
2005	23252	6.7296	15.0306	
5054	920	30.2653	27.8839	
13117	45985	10.5439	18.4309	
4186	30051	10.3346	16.9969	
0	7982	0.0000	15.0321	
3239	20414	5.3186	15.1889	
260	0	11.8345	0.0000	
5456	5799	11.1341	14.8680	
7605	9343	7.3546	15.7559	
1918	283	5.9008	16.6220	
466	0	5.4182	0.0000	
9865	12978	6.6518	14.7650	
855	668	13.7909	23.8692	
23725	33615	7.3045	17.6182	
2925	30131	12.0384	12.9986	
9196	4358	5.6351	12.8174	
1877	306	6.4960	17.0211	
281	8796	23.3806	15.2979	
3544	241	17.6327	14.1911	
0	7971	0.0000	15.0115	
4948	8201	9.7781	15.1591	
18345	3982	7.4515	14.7475	
12521	1782	8.6889	15.1058	
21373	2550	7.2722	15.4563	
11660	51262	6.9407	14.5258	
13736	38686	3.5660	13.7283	
1388	1164	9.5100	16.8747	
8044	9254	4.7571	12.4555	
2373	141	11.5732	14.1058	
20436	4435	15.7079	19.8899	
24038	13810	6.2485	13.5389	
28731	16860	10.8379	15.2994	
8883	5157	8.8472	18.4833	
23126	1322	10.0332	15.9304	
4349	77	41.8132	15.4717	
3312	24999	14.7200	16.0661	
11737	5986	6.0069	13.7925	
11317	19324	5.1465	13.3451	
11278	20403	6.1697	12.8807	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4680	4511	34412	6.8562	15.8728
4681	15740	55560	5.3868	15.6156
4682	3842	14125	22.4651	15.7469
4683	5773	232	6.4720	14.4762
4684	0	38579	0.0000	15.0937
4685	0	0	0.0000	0.0000
4686	27252	694	23.8216	20.4169
4687	7954	1692	8.5339	12.6306
4688	4130	4550	8.0509	14.3543
4689	10184	3643	9.8584	14.5713
4690	16962	3608	7.7380	14.6679
4691	7989	1127	22.1292	14.8352
4692	14597	9542	12.3179	18.4927
4693	2318	101	8.3376	12.5824
4694	9714	2177	13.4167	16.7495
4695	1100	13855	13.2566	13.1203
4696	22513	7170	11.4103	13.8418
4697	18253	63711	9.9201	14.8928
4698	0	0	0.0000	0.0000
4699	12081	10575	9.9109	13.5575
4700	20299	857	7.8224	12.6048
4701	2264	13406	16.7734	13.9210
4702	51510	703	13.1773	10.4852
4703	23670	2555	8.6798	11.3558
4704	56739	376	10.2528	7.6651
4705	15144	4530	10.3937	13.0920
4706	0	0	0.0000	0.0000
4707	16107	8354	8.1640	11.4445
4708	29418	19990	9.6232	11.1116
4709	1366	1904	8.8726	11.3346
4710	2589	2489	13.0124	12.6340
4711	15492	22114	9.5865	11.4640
4712	0	768	0.0000	13.7203
4713	5454	3370	18.3010	16.1260
4714	16550	2495	8.3501	11.8265
4715	18010	8318	9.9504	13.4382
4716	20265	9764	10.1478	13.4670
4717	36577	1383	11.3559	13.9724
4718	0	0	0.0000	0.0000

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
4511	34413	6.8562	15.8731	
15742	55562	5.3873	15.6160	
3842	14125	22.4652	15.7471	
5773	232	6.4720	14.4764	
0	38580	0.0000	15.0939	
0	0	0.0000	0.0000	
27252	694	23.8215	20.4171	
7954	1693	8.5341	12.6314	
4130	4550	8.0509	14.3545	
10184	3643	9.8584	14.5714	
16962	3608	7.7380	14.6681	
7989	1127	22.1297	14.8353	
14593	9543	12.3151	18.4939	
2317	101	8.3360	12.5825	
9714	2177	13.4167	16.7496	
1100	13856	13.2566	13.1212	
22511	7170	11.4096	13.8421	
18253	63712	9.9201	14.8929	
0	0	0.0000	0.0000	
12079	10576	9.9089	13.5584	
20300	857	7.8227	12.6051	
2264	13406	16.7733	13.9212	
51510	703	13.1773	10.4852	
23670	2555	8.6798	11.3560	
56738	376	10.2527	7.6652	
15143	4530	10.3934	13.0921	
0	0	0.0000	0.0000	
16107	8355	8.1640	11.4447	
29418	19990	9.6233	11.1118	
1366	1904	8.8725	11.3349	
2589	2489	13.0097	12.6345	
15491	22114	9.5860	11.4641	
0	768	0.0000	13.7204	
5454	3370	18.3013	16.1260	
16550	2495	8.3501	11.8266	
18010	8318	9.9504	13.4384	
20265	9764	10.1479	13.4671	
36577	1383	11.3559	13.9740	
0	0	0.0000	0.0000	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4719	29845	385	14.9075	14.8125
4720	0	0	0.0000	0.0000
4721	40776	2464	8.1147	9.3324
4722	40946	26712	10.9657	10.5666
4723	40482	7962	10.2383	13.4040
4724	20944	17120	12.0021	11.4517
4725	26172	20526	7.1900	9.4198
4726	13436	5821	9.8291	13.1406
4727	5058	82	9.0475	6.3162
4728	32043	30394	9.9635	12.9447
4729	10150	290	18.0918	12.0757
4730	38498	1850	12.6016	13.1173
4731	0	0	0.0000	0.0000
4732	11040	258	7.8577	7.5807
4733	6	0	6.1819	0.0000
4734	8107	2398	9.2443	9.8696
4735	1225	689	6.9190	12.9977
4736	8211	893	13.7542	12.9405
4737	8190	4231	18.2405	13.8725
4738	20575	6799	14.9967	15.3827
4739	39792	3561	7.6567	8.7483
4740	20728	1416	7.1156	8.7423
4741	25639	2552	10.1022	8.0011
4742	97	695	32.4268	13.9074
4743	9165	1935	21.4628	16.5407
4744	16679	2347	6.2916	8.9586
4745	11589	386	6.1482	7.5773
4746	9548	627	5.7417	7.6471
4747	7354	902	20.6562	13.0699
4748	2201	0	20.7619	0.0000
4749	0	0	0.0000	0.0000
4750	22831	2022	12.7123	10.6409
4751	2494	579	12.2246	12.3230
4752	11170	8783	4.5223	7.7111
4753	6064	502	16.3449	11.1480
4754	4131	657	21.2951	12.8829
4755	4464	0	11.5961	0.0000
4756	17040	1108	7.5731	9.4714
4757	15460	12041	6.1324	7.8492

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
29845	385	14.9074	14.8126	
0	0	0.0000	0.0000	
40776	2464	8.1146	9.3326	
40946	26713	10.9657	10.5667	
40484	7962	10.2388	13.4043	
20944	17120	12.0021	11.4518	
26173	20527	7.1904	9.4202	
13436	5821	9.8291	13.1407	
5058	82	9.0475	6.3162	
32042	30393	9.9634	12.9444	
10149	290	18.0916	12.0759	
38498	1850	12.6016	13.1181	
0	0	0.0000	0.0000	
11040	258	7.8577	7.5808	
6	0	6.1819	0.0000	
8107	2398	9.2443	9.8695	
1225	689	6.9191	12.9977	
8211	893	13.7543	12.9408	
8190	4231	18.2409	13.8729	
20575	6799	14.9967	15.3821	
39792	3561	7.6567	8.7483	
20728	1416	7.1156	8.7420	
25640	2552	10.1023	8.0013	
97	695	32.4260	13.9076	
9165	1935	21.4628	16.5409	
16679	2347	6.2916	8.9586	
11589	386	6.1481	7.5775	
9548	627	5.7417	7.6471	
7352	902	20.6526	13.0692	
2201	0	20.7620	0.0000	
0	0	0.0000	0.0000	
22831	2022	12.7122	10.6410	
2494	579	12.2246	12.3231	
11170	8783	4.5223	7.7111	
6063	502	16.3420	11.1485	
4130	657	21.2912	12.8831	
4465	0	11.5963	0.0000	
17044	1108	7.5750	9.4714	
15460	12040	6.1325	7.8490	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4758	19268	294	18.3159	10.1477
4759	10774	1589	5.2607	9.4010
4760	14147	6574	18.0904	19.4503
4761	14457	3172	4.8875	7.2594
4762	0	3731	0.0000	10.7846
4763	2304	1286	5.7023	10.1285
4764	2202	0	13.5926	0.0000
4765	8552	2201	4.9063	9.5274
4766	9249	5516	4.6639	7.2768
4767	7765	6871	3.6216	8.4623
4768	5140	16	14.8548	8.2242
4769	721	1225	18.4928	12.6318
4770	26102	1073	5.8788	10.4170
4771	25263	1529	8.5261	7.1454
4772	16467	17589	4.9215	9.4314
4773	1476	252	8.1098	10.9627
4774	1519	134	11.6850	14.9440
4775	1443	41	11.7351	13.7713
4776	2634	752	11.9204	16.7077
4777	517	904	6.3068	11.5947
4778	1622	2513	5.5361	7.6862
4779	73478	5891	12.9227	10.9504
4780	2353	13858	4.7246	9.1475
4781	13418	6176	4.1892	8.8484
4782	3417	1282	6.2013	8.6048
4783	7244	446	10.4231	11.7375
4784	10906	191	6.0490	10.0614
4785	11480	2081	5.2855	7.8516
4786	697	54	11.0592	9.0284
4787	47530	1558	6.7020	5.6437
4788	11514	5528	9.8497	15.0632
4789	6343	273	18.6546	22.7277
4790	1004	1072	11.5450	17.0222
4791	995	830	18.7739	18.8723
4792	1197	224	10.8856	11.1933
4793	225	26	18.7335	8.7330
4794	1074	416	15.7983	12.9851
4795	31944	2045	10.8507	8.8540
4796	1508	2107	3.0596	9.6225

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
19267	294	18.3145	10.1477	
10774	1589	5.2607	9.4010	
14147	6575	18.0903	19.4516	
14457	3172	4.8875	7.2594	
0	3731	0.0000	10.7846	
2304	1286	5.7023	10.1286	
2202	0	13.5903	0.0000	
8552	2201	4.9063	9.5275	
9249	5516	4.6639	7.2768	
7765	6871	3.6216	8.4622	
5140	16	14.8546	8.2242	
721	1225	18.4927	12.6321	
26102	1073	5.8788	10.4171	
25266	1529	8.5272	7.1456	
16467	17589	4.9215	9.4312	
1476	252	8.1107	10.9630	
1519	135	11.6850	14.9455	
1443	41	11.7353	13.7716	
2634	752	11.9205	16.7080	
517	904	6.3068	11.5947	
1622	2513	5.5361	7.6863	
73479	5891	12.9228	10.9504	
2353	13858	4.7246	9.1474	
13418	6176	4.1892	8.8484	
3417	1282	6.2013	8.6049	
7243	446	10.4213	11.7376	
10906	191	6.0490	10.0614	
11480	2081	5.2855	7.8517	
697	54	11.0593	9.0286	
47535	1558	6.7027	5.6438	
11514	5528	9.8498	15.0635	
6343	273	18.6547	22.7294	
1004	1072	11.5450	17.0226	
995	830	18.7740	18.8725	
1197	224	10.8859	11.1934	
225	26	18.7336	8.7330	
1074	416	15.7982	12.9852	
31944	2045	10.8507	8.8540	
1508	2107	3.0596	9.6225	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4797	77	1299	19.3605	9.9159
4798	992	331	11.9554	9.1945
4799	690	264	12.5500	10.9926
4800	0	3972	0.0000	8.7297
4801	18897	1408	5.9538	10.5089
4802	488	82	30.4738	13.6164
4803	35683	6811	6.0810	8.1376
4804	22337	1040	6.4726	7.7071
4805	19930	6775	13.1032	14.3536
4806	31920	2496	7.2743	9.0117
4807	390	433	12.2018	13.9534
4808	34078	2687	6.8527	7.0718
4809	805	19752	32.1807	13.0980
4810	0	8357	0.0000	15.0030
4811	6236	139	14.2702	9.9111
4812	1995	82	12.4697	13.7140
4813	482	541	16.0589	13.8652
4814	2906	212	16.1433	10.0862
4815	917	335	17.6368	16.7721
4816	0	28885	0.0000	15.9145
4817	4773	979	6.3055	7.8954
4818	4352	144	6.7677	8.4815
4819	77	28	3.2023	13.9605
4820	8603	1277	5.6340	7.6948
4821	491	3499	10.9108	14.3997
4822	8887	16306	5.2494	9.7467
4823	45	0	9.0979	0.0000
4824	2661	0	13.1736	0.0000
4825	8029	632	6.0963	5.4487
4826	6240	1910	8.0208	12.7311
4827	1400	520	15.0535	15.3002
4828	22946	1397	6.8761	9.2492
4829	4063	2923	15.0467	17.7121
4830	307	574	9.3021	15.5145
4831	19427	12543	7.4346	16.1431
4832	391	1431	11.5040	17.0380
4833	26733	1794	7.2095	9.8009
4834	0	867	0.0000	17.7030
4835	19488	1042	13.8214	15.5498

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
77	1299	19.3597	9.9159	
993	331	11.9586	9.1947	
690	264	12.5501	10.9927	
0	3972	0.0000	8.7297	
18897	1408	5.9538	10.5089	
488	82	30.4739	13.6172	
35686	6811	6.0814	8.1375	
22337	1040	6.4727	7.7072	
19930	6775	13.1033	14.3537	
31920	2496	7.2743	9.0117	
390	433	12.2019	13.9535	
34078	2687	6.8526	7.0719	
805	19752	32.1810	13.0981	
0	8357	0.0000	15.0032	
6236	139	14.2703	9.9124	
1995	82	12.4698	13.7143	
482	541	16.0591	13.8654	
2906	212	16.1433	10.0875	
917	335	17.6368	16.7733	
0	28885	0.0000	15.9147	
4773	979	6.3055	7.8963	
4352	144	6.7677	8.4826	
77	28	3.2024	13.9606	
8603	1277	5.6340	7.6956	
491	3499	10.9112	14.3997	
8887	16308	5.2494	9.7476	
45	0	9.0979	0.0000	
2661	0	13.1736	0.0000	
8029	632	6.0965	5.4490	
6240	1910	8.0209	12.7319	
1400	520	15.0535	15.3013	
22946	1397	6.8762	9.2498	
4063	2923	15.0467	17.7133	
307	574	9.3024	15.5146	
19427	12544	7.4347	16.1441	
391	1431	11.5040	17.0381	
26733	1794	7.2095	9.8010	
0	868	0.0000	17.7046	
19489	1042	13.8219	15.5507	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4836	2059	0	9.4907	0.0000
4837	780	4597	13.6794	16.4785
4838	1227	852	9.6603	15.7797
4839	201	0	10.5835	0.0000
4840	0	33964	0.0000	14.9163
4841	84	0	21.0499	0.0000
4842	156	0	14.1475	0.0000
4843	0	0	0.0000	0.0000
4844	0	3990	0.0000	16.0868
4845	0	0	0.0000	0.0000
4846	701	747	20.0228	18.2306
4847	10330	6661	10.1774	18.1015
4848	1665	0	15.5575	0.0000
4849	73	0	18.3718	0.0000
4850	0	293	0.0000	16.2689
4851	1601	2797	11.3513	15.1172
4852	1005	0	11.4222	0.0000
4853	0	18	0.0000	9.2221
4854	2551	0	12.6925	0.0000
4855	3827	5832	10.7193	17.3586
4856	16031	4219	12.9180	14.1111
4857	553	0	14.5620	0.0000
4858	637	66	10.9835	16.4506
4859	65	0	16.2128	0.0000
4860	19681	1295	10.9036	10.8794
4861	0	0	0.0000	0.0000
4862	722	0	11.6486	0.0000
4863	7452	451	11.2391	16.1070
4864	1273	793	15.3402	19.3406
4865	1098	60	11.8046	11.9575
4866	1753	1440	12.2583	17.5591
4867	2325	227	14.7154	17.4473
4868	3743	1330	11.9594	14.4579
4869	285	0	16.7638	0.0000
4870	0	0	0.0000	0.0000
4871	1449	32	11.6837	16.2247
4872	2831	434	12.3075	14.0015
4873	221	0	22.0567	0.0000
4874	1182	761	12.9883	20.0313

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
2059	0	9.4907	0.0000	
780	4598	13.6795	16.4794	
1227	852	9.6604	15.7804	
201	0	10.5837	0.0000	
0	33964	0.0000	14.9163	
84	0	21.0492	0.0000	
156	0	14.1475	0.0000	
0	0	0.0000	0.0000	
0	3990	0.0000	16.0885	
0	0	0.0000	0.0000	
701	747	20.0231	18.2314	
10330	6661	10.1774	18.1001	
1665	0	15.5575	0.0000	
73	0	18.3718	0.0000	
0	293	0.0000	16.2690	
1601	2797	11.3513	15.1163	
1005	0	11.4222	0.0000	
0	18	0.0000	9.2221	
2551	0	12.6924	0.0000	
3827	5833	10.7193	17.3587	
16031	4219	12.9180	14.1112	
553	0	14.5620	0.0000	
637	66	10.9835	16.4510	
65	0	16.2128	0.0000	
19681	1295	10.9036	10.8802	
0	0	0.0000	0.0000	
722	0	11.6485	0.0000	
7452	451	11.2391	16.1071	
1273	793	15.3402	19.3407	
1098	60	11.8047	11.9576	
1753	1440	12.2587	17.5592	
2325	227	14.7154	17.4474	
3743	1330	11.9595	14.4579	
285	0	16.7639	0.0000	
0	0	0.0000	0.0000	
1449	32	11.6838	16.2248	
2831	434	12.3076	14.0015	
221	0	22.0567	0.0000	
1182	761	12.9884	20.0314	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4875	71	38	5.8939	18.7647
4876	266	0	9.8350	0.0000
4877	10220	176	15.8209	14.6372
4878	1268	0	14.4043	0.0000
4879	15504	501	11.1942	10.4273
4880	179	948	14.9494	18.9584
4881	3929	28	25.0243	9.4676
4882	1720	0	14.9573	0.0000
4883	723	710	11.2931	11.8303
4884	0	0	0.0000	0.0000
4885	44	121	0.0000	13.4446
4886	227	1840	20.6279	21.1535
4887	0	1091	0.0000	21.8232
4888	88656	1042	12.4657	3.4042
4889	8125	60	15.6858	14.9182
4890	6018	599	20.1960	18.1416
4891	9590	72	12.9944	12.0368
4892	107	72	17.8725	10.2281
4893	392	201	24.4849	20.0548
4894	6319	435	15.1535	9.2506
4895	143	0	15.8798	0.0000
4896	327	0	16.3546	0.0000
4897	995	677	19.1254	12.0826
4898	4023	45	22.8585	15.0600
4899	1052	0	20.2252	0.0000
4900	0	0	0.0000	0.0000
4901	265	0	44.2092	0.0000
4902	502	0	41.8565	0.0000
4903	0	705	0.0000	19.5826
4904	692	0	20.9846	0.0000
4905	172	822	42.9693	22.2256
4906	197	2784	10.3549	13.6466
4907	0	24	0.0000	12.2300
4908	194	0	27.7776	0.0000
4909	7903	11	20.2632	5.4981
4910	44257	3	18.5409	1.5170
4911	7139	442	23.4068	12.2654
4912	820	0	74.5291	0.0000
4913	17807	103	31.0222	17.1170

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
71	38	5.8932	18.7648	
266	0	9.8351	0.0000	
10220	176	15.8209	14.6377	
1268	0	14.4044	0.0000	
15504	501	11.1943	10.4274	
179	948	14.9494	18.9594	
3929	28	25.0243	9.4676	
1720	0	14.9573	0.0000	
723	710	11.2932	11.8304	
0	0	0.0000	0.0000	
44	121	0.0000	13.4447	
227	1840	20.6284	21.1538	
0	1091	0.0000	21.8232	
88657	1042	12.4659	3.4042	
8125	60	15.6859	14.9182	
6018	599	20.1960	18.1416	
9590	72	12.9944	12.0368	
107	72	17.8725	10.2281	
392	201	24.4851	20.0548	
6319	435	15.1536	9.2506	
143	0	15.8798	0.0000	
327	0	16.3546	0.0000	
995	677	19.1254	12.0826	
4023	45	22.8585	15.0608	
1052	0	20.2241	0.0000	
0	0	0.0000	0.0000	
265	0	44.2080	0.0000	
502	0	41.8566	0.0000	
0	705	0.0000	19.5826	
692	0	20.9847	0.0000	
172	822	42.9689	22.2256	
197	2784	10.3549	13.6467	
0	24	0.0000	12.2301	
194	0	27.7695	0.0000	
7903	11	20.2641	5.4982	
44257	3	18.5410	1.5170	
7139	442	23.4069	12.2660	
820	0	74.5299	0.0000	
17807	103	31.0223	17.1173	

	No Build - 2012			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4914	3375	0	28.6030	0.0000
4915	24956	10011	44.4058	70.0082
4916	0	0	0.0000	0.0000
4917	48916	44551	0.0000	0.0000
4918	20017	29075	35.8726	107.2888
4919	25219	4667	13.1621	27.7821
4920	27765	16131	13.7177	14.3132
4921	33696	3510	11.0950	13.0001
4922	30126	25094	9.0035	14.3478
4923	43633	5352	14.1941	14.4251
4924	11423	3492	6.3706	16.3199
4925	38926	6795	37.5732	45.9101
4926	13937	158	17.5307	9.8991
	32,037,483	8,111,059	16.478	10.766

Build - 2012				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3375	0	28.6033	0.0000	
24956	10011	44.4053	70.0084	
0	0	0.0000	0.0000	
48915	44551	0.0000	0.0000	
20016	29075	35.8718	107.2892	
25219	4667	13.1621	27.7822	
27765	16131	13.7177	14.3133	
33696	3510	11.0950	13.0001	
30126	25094	9.0035	14.3479	
43633	5352	14.1941	14.4252	
11423	3492	6.3706	16.3199	
38925	6795	37.5729	45.9102	
13935	158	17.5283	9.8990	
32,030,136	8,110,938	16.475	10.766	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3120	57187	19931	19.9955	24.1300
3121	0	12	0.0000	11.6748
3122	23	7968	3.8628	23.7152
3123	35568	16429	18.9393	23.0743
3124	0	113	0.0000	22.6403
3125	0	11930	0.0000	23.4852
3126	7029	6475	11.8329	20.8887
3127	64318	26358	14.0956	20.4802
3128	82763	12357	13.9496	17.3794
3129	0	17347	0.0000	21.2325
3130	487	4140	27.0301	20.5992
3131	23668	30407	10.5191	19.0519
3132	0	34196	0.0000	21.8228
3133	0	65282	0.0000	18.2453
3134	40017	13510	11.4270	16.2187
3135	80662	3691	14.4117	16.4027
3136	36901	1413	13.8311	15.6988
3137	63023	4852	13.2235	19.1779
3138	44983	3671	13.6313	18.5393
3139	6576	1599	20.0473	21.3144
3140	41633	2351	12.8695	15.4704
3141	4	16134	1.4800	16.1666
3142	84251	16322	11.4643	16.3057
3143	9	63480	1.2502	17.4348
3144	72767	17047	10.7628	16.8447
3145	33857	1638	13.5105	17.9993
3146	28382	42959	7.3300	14.7980
3147	51024	1579	12.9932	18.5765
3148	24068	28094	8.9107	12.0367
3149	129253	8597	13.8268	13.2460
3150	10734	1561	13.1220	18.8043
3151	1756	18219	8.8226	18.9980
3152	29764	2838	12.6171	17.0987
3153	109660	3758	14.5572	15.5917
3154	32189	198	12.9794	13.2127
3155	15547	1820	11.4990	18.3797
3156	25467	620	10.8370	14.0797
3157	45837	4023	13.2094	13.8711
3158	77898	976	13.8980	11.0853

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
57211	19930	20.0039	24.1287	
0	12	0.0000	11.6724	
23	7970	3.8624	23.7196	
35560	16432	18.9352	23.0786	
0	113	0.0000	22.6399	
0	11931	0.0000	23.4859	
7028	6479	11.8312	20.9005	
64310	26373	14.0937	20.4918	
82763	12351	13.9495	17.3716	
0	17363	0.0000	21.2527	
487	4140	27.0283	20.5991	
23665	30407	10.5179	19.0520	
0	34196	0.0000	21.8227	
0	65291	0.0000	18.2478	
40014	13510	11.4261	16.2188	
80656	3691	14.4106	16.4023	
36915	1413	13.8364	15.6961	
63115	4849	13.2428	19.1663	
44986	3671	13.6320	18.5392	
6574	1598	20.0441	21.3050	
41628	2351	12.8679	15.4682	
4	16139	1.4798	16.1709	
84237	16329	11.4624	16.3123	
9	63492	1.2501	17.4380	
72757	17053	10.7612	16.8510	
33814	1638	13.4931	17.9981	
28376	43002	7.3285	14.8131	
51010	1579	12.9896	18.5749	
24065	28106	8.9097	12.0421	
129251	8594	13.8266	13.2419	
10733	1561	13.1214	18.8035	
1756	18219	8.8225	18.9981	
29728	2839	12.6019	17.1007	
109606	3756	14.5501	15.5834	
32181	198	12.9761	13.2115	
15546	1819	11.4985	18.3782	
25462	619	10.8350	14.0784	
45820	4022	13.2047	13.8698	
77878	975	13.8944	11.0836	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3159	15497	6174	6.6599	14.3251
3160	18023	69206	7.5696	15.0186
3161	29768	6602	10.7583	17.2826
3162	22099	11935	13.3288	19.5978
3163	51165	6482	9.7087	14.0300
3164	51610	19244	12.3086	15.8124
3165	99577	2203	12.7190	13.9408
3166	2842	11111	13.7971	17.2268
3167	6059	3279	9.3215	14.9050
3168	15965	28113	7.8181	16.2503
3169	0	31822	0.0000	17.5717
3170	27410	4607	12.3193	15.4077
3171	15853	365	15.5578	16.5962
3172	20325	1444	12.6396	11.1058
3173	24635	1820	8.5241	15.2962
3174	10397	38352	7.2050	16.3201
3175	64812	4356	13.0933	13.1214
3176	18198	95686	3.7033	19.0990
3177	8915	16932	9.5856	18.6480
3178	7343	21395	7.2269	15.1413
3179	5579	49556	11.5034	18.1457
3180	33784	16326	11.9421	17.1309
3181	0	12124	0.0000	16.1439
3182	14130	39533	9.2837	15.9280
3183	7057	56127	11.7623	17.0184
3184	1644	31146	15.8121	16.8995
3185	11285	22069	9.7541	16.2395
3186	8400	15500	13.1661	19.6948
3187	39920	5711	10.6824	15.1075
3188	11638	20066	7.2830	16.5699
3189	39941	7092	10.3716	16.6863
3190	19683	371	13.2193	15.4773
3191	8282	19656	6.3367	15.3563
3192	60440	7666	12.5917	13.7638
3193	10215	3378	11.5296	17.0613
3194	4222	68753	14.1199	18.3782
3195	500	25329	166.7704	19.1160
3196	25150	4890	11.9820	18.1107
3197	17221	29624	10.1419	16.0306

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
15495	6180	6.6588	14.3376	
18021	69203	7.5685	15.0181	
29767	6601	10.7580	17.2810	
22094	11934	13.3257	19.5959	
51156	6483	9.7070	14.0317	
51551	19243	12.2946	15.8121	
99566	2202	12.7176	13.9385	
2841	11106	13.7921	17.2179	
6058	3279	9.3196	14.9054	
15963	28138	7.8173	16.2650	
0	31825	0.0000	17.5732	
27407	4607	12.3177	15.4069	
15850	365	15.5542	16.5895	
20327	1443	12.6412	11.1035	
24633	1820	8.5236	15.2963	
10396	38377	7.2044	16.3308	
64786	4356	13.0881	13.1193	
18198	95690	3.7033	19.0998	
8911	16933	9.5820	18.6489	
7342	21395	7.2260	15.1415	
5579	49557	11.5028	18.1461	
33769	16317	11.9368	17.1221	
0	12125	0.0000	16.1458	
14129	39531	9.2830	15.9272	
7053	56132	11.7552	17.0201	
1644	31144	15.8111	16.8986	
11285	22071	9.7535	16.2404	
8399	15498	13.1651	19.6926	
39909	5709	10.6795	15.1028	
11635	20084	7.2807	16.5845	
39976	7096	10.3807	16.6959	
19714	371	13.2395	15.4711	
8281	19656	6.3362	15.3563	
60424	7664	12.5882	13.7601	
10213	3377	11.5269	17.0546	
4222	68744	14.1189	18.3758	
500	25332	166.7688	19.1187	
25125	4890	11.9701	18.1127	
17219	29627	10.1408	16.0320	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3198	3313	77385	34.5143	16.3535
3199	695	12818	49.6115	18.9620
3200	0	0	0.0000	0.0000
3201	7194	2505	19.5476	23.4123
3202	64720	37834	8.3932	15.5375
3203	51018	1805	11.6427	18.6120
3204	0	20426	0.0000	18.7735
3205	61016	3189	12.8672	16.6950
3206	38690	5793	14.5014	14.0606
3207	62348	1351	14.4091	12.0653
3208	4069	26560	7.9786	17.1357
3209	72212	42147	11.5060	15.2874
3210	22267	23166	11.5136	16.4529
3211	20298	9732	9.8104	19.0833
3212	14085	7458	11.9976	16.7963
3213	46417	37109	10.0188	16.6782
3214	8751	22925	7.7103	16.9686
3215	0	0	0.0000	0.0000
3216	11900	19978	11.2480	17.5245
3217	39633	50028	10.8080	17.8034
3218	38503	2774	11.2549	17.2292
3219	22383	24039	12.4074	18.4917
3220	0	12220	0.0000	19.7727
3221	407	6069	11.9666	18.7301
3222	21337	16265	14.2344	15.4907
3223	0	2258	0.0000	17.1041
3224	0	16223	0.0000	17.6919
3225	4487	1860	14.7116	19.9969
3226	0	25728	0.0000	18.1185
3227	0	6143	0.0000	18.9013
3228	22929	135453	10.4506	19.2214
3229	10927	23830	14.2092	19.6940
3230	72	0	14.4258	0.0000
3231	84893	6562	11.2084	16.7831
3232	56877	26644	12.5307	19.3916
3233	3542	10990	10.6054	16.3296
3234	3682	2742	11.5801	19.8721
3235	0	29141	0.0000	19.9054
3236	298	47	12.9658	15.7996

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3313	77395	34.5140	16.3557	
694	12818	49.6057	18.9614	
0	0	0.0000	0.0000	
7193	2505	19.5454	23.4119	
64723	37866	8.3936	15.5508	
51101	1804	11.6617	18.6020	
0	20423	0.0000	18.7709	
61070	3188	12.8785	16.6890	
38683	5792	14.4987	14.0575	
62344	1351	14.4081	12.0633	
4070	26548	7.9797	17.1276	
72206	42143	11.5051	15.2859	
22259	23169	11.5095	16.4555	
20296	9733	9.8098	19.0850	
14081	7455	11.9942	16.7896	
46410	37131	10.0172	16.6881	
8752	22936	7.7106	16.9771	
0	0	0.0000	0.0000	
11899	19976	11.2471	17.5228	
39638	50033	10.8094	17.8055	
38505	2774	11.2553	17.2270	
22378	24037	12.4047	18.4897	
0	12220	0.0000	19.7731	
407	6068	11.9660	18.7293	
21338	16263	14.2348	15.4890	
0	2258	0.0000	17.1036	
0	16235	0.0000	17.7048	
4487	1860	14.7114	19.9953	
0	25746	0.0000	18.1310	
0	6147	0.0000	18.9145	
22925	135495	10.4490	19.2273	
10919	23824	14.1984	19.6895	
72	0	14.4255	0.0000	
84881	6563	11.2069	16.7860	
56916	26642	12.5394	19.3901	
3541	10997	10.6009	16.3406	
3682	2742	11.5800	19.8711	
0	29140	0.0000	19.9045	
298	47	12.9652	15.7974	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3237	14954	13342	13.5083	19.6495
3238	14002	8708	12.4240	19.0972
3239	0	18504	0.0000	18.6155
3240	75790	12106	12.0781	15.8451
3241	6070	2905	10.2020	17.8243
3242	18792	14395	13.9822	20.2753
3243	100347	50330	12.9497	19.1662
3244	1862	1052	13.8959	19.1281
3245	0	70221	0.0000	18.9123
3246	29815	59415	10.3813	16.9516
3247	22222	1982	7.9026	15.6060
3248	32199	7679	10.0589	17.1396
3249	37032	12354	11.8238	17.6732
3250	0	9256	0.0000	19.5696
3251	6892	1629	7.8405	14.6738
3252	38015	19276	11.5336	20.0164
3253	12356	135910	13.3003	20.1140
3254	197333	14830	20.3394	20.6548
3255	7829	4935	18.7290	17.1348
3256	66264	1103	11.8922	13.2927
3257	0	33006	0.0000	17.5099
3258	23688	2218	5.7902	16.5493
3259	56248	29609	12.1068	22.4313
3260	41145	33148	9.2358	16.2969
3261	42953	15346	9.0906	16.4130
3262	39653	49745	9.5068	16.0416
3263	802	32266	13.5874	20.4731
3264	24577	14110	12.3626	17.8609
3265	3933	53701	14.3549	16.3176
3266	13029	192859	17.9211	20.0978
3267	41488	45022	9.5352	16.6011
3268	0	6069	0.0000	22.3950
3269	32689	107477	13.1018	20.9180
3270	2204	133	16.2062	16.6398
3271	41514	6863	8.2847	16.9870
3272	4079	762	9.5293	15.8711
3273	31564	8645	9.6115	14.6769
3274	3818	1375	11.1645	16.1743
3275	20025	1576	9.3008	16.5869

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
14952	13341	13.5066	19.6479	
14003	8708	12.4254	19.0971	
0	18504	0.0000	18.6153	
75788	12105	12.0778	15.8437	
6070	2905	10.2014	17.8225	
18784	14393	13.9761	20.2713	
100337	50321	12.9484	19.1626	
1862	1052	13.8957	19.1247	
0	70268	0.0000	18.9249	
29813	59422	10.3805	16.9536	
22234	1983	7.9069	15.6160	
32196	7677	10.0580	17.1372	
37030	12356	11.8232	17.6767	
0	9256	0.0000	19.5684	
6895	1630	7.8445	14.6831	
38009	19274	11.5318	20.0144	
12355	135906	13.2994	20.1133	
197311	14830	20.3372	20.6547	
7829	4938	18.7293	17.1454	
66308	1103	11.9002	13.2933	
0	33005	0.0000	17.5095	
23688	2219	5.7903	16.5577	
56236	29609	12.1042	22.4309	
41138	33147	9.2342	16.2965	
42942	15346	9.0882	16.4126	
39644	49757	9.5047	16.0455	
802	32270	13.5890	20.4762	
24575	14107	12.3617	17.8574	
3933	53735	14.3538	16.3279	
13029	192929	17.9210	20.1052	
41448	45041	9.5260	16.6081	
0	6069	0.0000	22.3935	
32688	107483	13.1014	20.9193	
2204	133	16.2053	16.6360	
41503	6864	8.2825	16.9910	
4078	762	9.5281	15.8677	
31562	8645	9.6108	14.6783	
3825	1375	11.1840	16.1716	
20058	1576	9.3163	16.5860	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3276	8982	26080	8.8931	16.6117
3277	69617	8465	17.4698	19.0663
3278	23208	1483	8.8346	14.1213
3279	27666	11823	10.3155	16.1081
3280	5079	7228	10.1993	15.4435
3281	31481	17155	9.8195	15.0877
3282	13128	347	8.9856	10.8441
3283	10809	6051	10.0082	15.1277
3284	14265	2216	8.9265	15.3914
3285	9	4463	2.3141	20.9552
3286	31849	2596	11.5061	16.4312
3287	4987	4289	8.4661	14.3921
3288	8708	443	9.0610	13.4121
3289	41167	24812	9.2511	17.2544
3290	6313	3662	9.0577	14.8273
3291	33854	11754	10.7816	14.8980
3292	43777	41771	8.8851	15.2839
3293	9981	3273	7.0739	14.4817
3294	17438	9606	8.7497	13.8409
3295	21690	1554	9.1792	13.7498
3296	124068	11943	23.0354	22.4502
3297	31482	12954	10.3424	14.9068
3298	35058	19704	12.1898	18.2445
3299	37014	7654	15.8927	19.5244
3300	32599	34341	8.8223	17.3002
3301	25491	18461	10.1557	16.2083
3302	26964	10378	9.6267	14.8465
3303	7570	8046	7.6077	14.5761
3304	8617	4223	6.6541	13.9364
3305	22021	6994	8.4306	14.3326
3306	9628	4680	8.0701	14.6244
3307	14814	16767	6.4324	13.4895
3308	16503	3468	8.0110	14.6335
3309	98	3633	24.6213	20.7596
3310	13805	4394	8.9815	16.9651
3311	83399	3599	12.3135	16.3580
3312	882	4295	15.4796	21.8029
3313	28179	79280	7.9962	14.3883
3314	1351	3446	13.2436	16.2535

	Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
8982	26080	8.8932	16.6112		
69604	8466	17.4665	19.0667		
23205	1482	8.8334	14.1184		
27677	11823	10.3195	16.1077		
5079	7228	10.1995	15.4441		
31474	17153	9.8171	15.0866		
13128	347	8.9855	10.8473		
10809	6050	10.0082	15.1249		
14262	2217	8.9251	15.3927		
9	4463	2.3137	20.9553		
31847	2595	11.5055	16.4272		
4986	4288	8.4658	14.3899		
8707	443	9.0606	13.4117		
41166	24811	9.2509	17.2541		
6313	3662	9.0574	14.8245		
33852	11752	10.7808	14.8952		
43755	41769	8.8807	15.2833		
9981	3272	7.0737	14.4785		
17437	9605	8.7489	13.8408		
21726	1554	9.1943	13.7494		
124056	11943	23.0330	22.4501		
31537	12949	10.3605	14.9006		
35056	19704	12.1891	18.2441		
37008	7654	15.8902	19.5244		
32597	34340	8.8218	17.2997		
25533	18462	10.1727	16.2086		
26965	10378	9.6268	14.8476		
7569	8046	7.6074	14.5757		
8616	4223	6.6532	13.9368		
22018	6991	8.4297	14.3266		
9626	4680	8.0691	14.6244		
14813	16763	6.4322	13.4857		
16501	3468	8.0104	14.6312		
98	3633	24.6233	20.7597		
13802	4394	8.9796	16.9658		
83392	3599	12.3124	16.3600		
882	4296	15.4793	21.8057		
28175	79284	7.9953	14.3891		
1351	3446	13.2431	16.2524		

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3315	30067	22128	7.3911	14.3689
3316	43128	2297	11.3167	15.4166
3317	41782	31072	9.5676	16.6875
3318	30739	23490	7.5229	14.1508
3319	24366	13418	11.2389	17.0709
3320	0	32211	0.0000	14.0414
3321	43922	4999	8.1944	13.4370
3322	28786	25068	7.9257	14.2673
3323	24945	10853	8.8022	16.5445
3324	31565	18799	6.2136	13.2203
3325	83852	15630	11.4614	15.1599
3326	12825	32814	7.1889	13.4814
3327	22325	12168	8.0249	14.0995
3328	24870	953	7.0834	11.7617
3329	27610	33681	8.3061	12.9341
3330	11010	9003	28.0864	23.8800
3331	36578	34168	9.9020	16.1474
3332	0	12722	0.0000	12.2445
3333	43691	45171	10.7269	14.8005
3334	22557	24381	8.0216	14.9944
3335	15055	87578	5.9457	14.3640
3336	36146	20917	8.2224	13.0979
3337	16038	36413	21.1021	23.2376
3338	5633	12	11.8580	6.1906
3339	10515	78269	7.3890	12.3181
3340	14490	0	41.1660	0.0000
3341	8842	14197	6.3746	14.0008
3342	2376	12799	11.6456	16.1398
3343	8778	1896	10.4626	16.3412
3344	20457	18754	9.3409	16.4367
3345	29982	23416	8.9821	15.7577
3346	36563	27234	8.6952	14.2659
3347	16395	10308	8.1282	14.6213
3348	1161	38592	82.9019	17.3447
3349	42480	15475	7.8579	13.6827
3350	78101	1144	13.1461	14.8606
3351	36586	768	15.2634	15.3522
3352	3465	423	12.0717	20.1240
3353	18464	18061	10.7789	18.0070

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
30061	22123	7.3896	14.3654	
43127	2297	11.3164	15.4181	
41775	31074	9.5661	16.6883	
30734	23483	7.5219	14.1462	
24365	13417	11.2387	17.0703	
0	32203	0.0000	14.0378	
43921	4998	8.1941	13.4351	
28782	25062	7.9246	14.2643	
24940	10853	8.8002	16.5439	
31561	18799	6.2127	13.2201	
83840	15631	11.4598	15.1610	
12821	32810	7.1865	13.4797	
22321	12165	8.0235	14.0964	
24867	953	7.0826	11.7625	
27609	33687	8.3059	12.9367	
11009	9003	28.0848	23.8797	
36573	34159	9.9008	16.1431	
0	12719	0.0000	12.2420	
43684	45158	10.7252	14.7961	
22555	24372	8.0212	14.9887	
15054	87560	5.9455	14.3612	
36141	20910	8.2214	13.0932	
16036	36410	21.0996	23.2356	
5633	12	11.8591	6.1861	
10514	78248	7.3886	12.3147	
14489	0	41.1618	0.0000	
8841	14193	6.3740	13.9973	
2375	12798	11.6417	16.1388	
8776	1896	10.4605	16.3408	
20456	18750	9.3407	16.4328	
29978	23414	8.9808	15.7565	
36560	27227	8.6945	14.2625	
16394	10306	8.1279	14.6182	
1161	38592	82.9015	17.3449	
42476	15470	7.8572	13.6785	
78098	1144	13.1456	14.8604	
36580	768	15.2609	15.3510	
3464	422	12.0710	20.1180	
18462	18060	10.7773	18.0055	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3354	19128	4092	7.9008	12.7081
3355	7778	94324	13.0940	15.0437
3356	23500	14435	9.5257	15.1464
3357	120543	7284	12.1662	14.8348
3358	15071	10804	8.3083	14.6790
3359	8840	7774	8.6841	14.5033
3360	32810	14448	9.6021	16.3815
3361	15683	21477	6.3110	11.7746
3362	11904	33836	8.4668	15.4292
3363	21357	4855	8.7599	13.9919
3364	1436	527	11.4854	18.8116
3365	29529	2872	13.0141	17.0957
3366	2382	784	11.8498	19.1177
3367	3842	28315	10.3570	14.8793
3368	46288	1848	12.0635	14.9054
3369	5837	75	9.0350	12.4907
3370	16148	10500	6.4905	14.6444
3371	267230	584	28.7252	4.8274
3372	10370	13276	24.9877	19.6097
3373	66213	1687	31.5148	10.0431
3374	20805	17024	7.6631	14.9069
3375	616	2351	8.6736	17.1619
3376	20029	25081	6.0346	14.7968
3377	42006	10923	8.0967	10.8253
3378	56585	31280	9.7442	15.0458
3379	9259	186	10.6547	15.4684
3380	24193	9681	7.0085	12.1925
3381	1291	119	14.8401	16.9300
3382	14285	296	7.5222	10.5876
3383	29966	4250	9.3467	15.3429
3384	1134	11980	28.3597	24.0079
3385	16455	5067	13.2381	17.9047
3386	1610	142	25.9650	17.7272
3387	14571	38939	8.1724	15.8224
3388	967	273	9.7721	17.0887
3389	57015	9035	30.3270	15.4982
3390	35770	25529	7.5544	15.1596
3391	19266	3590	8.2546	13.8591
3392	6564	148	9.0160	13.5000

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
19125	4091	7.8998	12.7054	
7777	94325	13.0918	15.0438	
23498	14431	9.5249	15.1432	
120527	7284	12.1646	14.8343	
15069	10801	8.3073	14.6750	
8839	7774	8.6832	14.5030	
32804	14449	9.6002	16.3826	
15683	21472	6.3109	11.7718	
11904	33829	8.4668	15.4261	
21350	4855	8.7571	13.9913	
1436	527	11.4855	18.8039	
29532	2872	13.0155	17.0950	
2382	784	11.8498	19.1120	
3842	28319	10.3564	14.8810	
46286	1848	12.0631	14.9058	
5837	75	9.0348	12.4854	
16147	10500	6.4901	14.6440	
267199	584	28.7218	4.8273	
10369	13276	24.9862	19.6095	
66223	1687	31.5199	10.0427	
20804	17020	7.6627	14.9037	
616	2351	8.6726	17.1577	
20026	25078	6.0339	14.7953	
42002	10923	8.0960	10.8255	
56642	31279	9.7540	15.0450	
9258	186	10.6533	15.4647	
24191	9680	7.0078	12.1919	
1291	118	14.8396	16.9237	
14283	296	7.5215	10.5876	
29968	4250	9.3476	15.3419	
1132	11980	28.2964	24.0085	
16458	5067	13.2404	17.9045	
1611	142	25.9834	17.7262	
14570	38940	8.1714	15.8230	
967	273	9.7712	17.0834	
57011	9035	30.3249	15.4983	
35770	25527	7.5544	15.1586	
19264	3590	8.2538	13.8594	
6562	149	9.0144	13.5007	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3393	1707	1331	13.8784	18.4927
3394	23741	49583	8.1584	13.8577
3395	33203	9655	9.2539	14.7626
3396	0	68973	0.0000	16.2365
3397	245	320	9.4156	16.8543
3398	59316	32484	11.1120	16.6416
3399	57195	5830	10.9214	15.6301
3400	24407	3378	7.7728	13.3002
3401	16702	18098	7.7468	12.6209
3402	18346	8787	6.8894	13.4570
3403	22109	924	9.4645	11.8506
3404	48210	1824	30.9038	10.6664
3405	3102	24765	9.3428	18.6200
3406	97121	1366	17.0628	16.0717
3407	2478	1214	13.1808	17.5985
3408	36586	19388	7.5141	14.1828
3409	12024	28790	6.7515	16.1469
3410	643	340	13.6789	17.0057
3411	14739	14	38.8902	2.3248
3412	13557	4121	8.7407	14.2116
3413	45302	20923	10.5970	17.0662
3414	5674	3484	7.0666	15.0169
3415	26301	31923	10.0615	14.7045
3416	3118	11077	7.9940	14.2378
3417	10440	41230	7.0115	15.1191
3418	32481	8101	11.3292	16.5673
3419	95262	2215	28.5046	5.0225
3420	24672	14410	7.2311	15.6800
3421	9249	25700	7.9190	13.7877
3422	15706	96	26.0460	4.3854
3423	2092	1095	14.8342	18.5524
3424	1594	1535	11.5474	18.2699
3425	0	0	0.0000	0.0000
3426	16387	12623	9.6336	14.9916
3427	6247	0	6.4535	0.0000
3428	94822	631	27.8153	3.4835
3429	114657	593	27.1184	4.1734
3430	10086	122	23.7876	15.2196
3431	15012	82952	9.1094	15.1207

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
1707	1331	13.8774	18.4887	
23735	49580	8.1563	13.8568	
33199	9654	9.2527	14.7621	
0	68986	0.0000	16.2395	
245	320	9.4134	16.8550	
59396	32486	11.1270	16.6424	
57187	5829	10.9198	15.6284	
24404	3378	7.7719	13.3008	
16700	18098	7.7457	12.6205	
18346	8787	6.8890	13.4566	
22108	924	9.4640	11.8507	
48205	1824	30.9009	10.6647	
3101	24766	9.3408	18.6214	
97113	1366	17.0613	16.0716	
2478	1214	13.1787	17.5932	
36583	19387	7.5135	14.1820	
12019	28789	6.7482	16.1462	
643	340	13.6763	17.0059	
14738	14	38.8875	2.3248	
13559	4121	8.7423	14.2109	
45318	20922	10.6006	17.0652	
5674	3484	7.0662	15.0175	
26298	31919	10.0604	14.7026	
3117	11077	7.9934	14.2381	
10440	41227	7.0111	15.1182	
32476	8100	11.3274	16.5651	
95256	2215	28.5027	5.0220	
24673	14409	7.2311	15.6791	
9249	25695	7.9184	13.7848	
15704	96	26.0436	4.3847	
2091	1095	14.8324	18.5533	
1593	1535	11.5461	18.2730	
0	0	0.0000	0.0000	
16385	12622	9.6324	14.9909	
6247	0	6.4531	0.0000	
94813	630	27.8125	3.4832	
114674	593	27.1225	4.1734	
10085	122	23.7845	15.2192	
15011	82951	9.1084	15.1205	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3432	8195	2058	11.1200	16.7341
3433	0	65	0.0000	16.2613
3434	3841	15901	8.3318	17.3780
3435	4210	1891	10.9360	16.5899
3436	35728	874	19.9708	19.0074
3437	79583	104	28.2010	4.1619
3438	16565	14920	9.2080	14.7574
3439	32960	42985	8.2276	14.6957
3440	104128	119	26.8579	3.3914
3441	35696	183	27.8009	4.0613
3442	8632	1732	8.2760	13.4262
3443	196983	1912	27.4885	3.4708
3444	21685	67638	8.7758	14.9147
3445	11982	12216	8.7336	16.1584
3446	7738	7398	8.9252	17.6993
3447	33291	3463	14.4932	16.1809
3448	4306	54596	12.3723	15.6751
3449	8857	99	29.7202	5.8300
3450	18645	8782	8.4406	13.3869
3451	329	5513	25.3009	13.3169
3452	72189	2016	14.2694	16.1300
3453	4403	80882	16.8682	24.2670
3454	33067	7793	10.7502	17.2404
3455	86904	1727	26.2789	5.4128
3456	5010	154	19.5700	17.1025
3457	1246	10589	12.7159	12.8513
3458	18155	391	24.5669	17.7542
3459	6393	33178	8.3138	13.4871
3460	2616	7740	290.6751	17.6308
3461	18409	41300	9.8339	15.2341
3462	2968	32309	8.9399	17.4359
3463	954	56	25.1012	14.0868
3464	2846	6272	7.6708	13.2874
3465	111828	8344	24.8507	10.6299
3466	31336	886	11.7936	15.5467
3467	297	3375	15.6257	12.3636
3468	5244	4168	9.4149	15.8484
3469	8010	0	33.7972	0.0000
3470	798	13575	16.6334	13.0151

	Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
8195	2058	11.1196	16.7350		
0	65	0.0000	16.2616		
3841	15903	8.3318	17.3801		
4210	1902	10.9353	16.6868		
35722	874	19.9679	19.0086		
79574	104	28.1977	4.1618		
16564	14920	9.2073	14.7575		
32958	42975	8.2272	14.6924		
104119	119	26.8555	3.3912		
35693	183	27.7980	4.0610		
8629	1732	8.2733	13.4252		
196969	1912	27.4866	3.4707		
21695	67634	8.7799	14.9137		
11981	12211	8.7325	16.1521		
7734	7398	8.9201	17.6989		
33287	3463	14.4913	16.1799		
4305	54597	12.3709	15.6752		
8855	99	29.7155	5.8291		
18644	8783	8.4400	13.3888		
329	5506	25.2996	13.2995		
72181	2016	14.2679	16.1297		
4402	80882	16.8670	24.2669		
33068	7793	10.7504	17.2403		
86895	1727	26.2762	5.4124		
5006	154	19.5563	17.1024		
1246	10589	12.7161	12.8511		
18153	391	24.5642	17.7539		
6393	33177	8.3131	13.4865		
2616	7740	290.6741	17.6304		
18407	41302	9.8326	15.2350		
2968	32305	8.9396	17.4341		
954	56	25.0980	14.0881		
2846	6272	7.6704	13.2873		
111811	8344	24.8469	10.6292		
31334	886	11.7930	15.5409		
297	3377	15.6271	12.3687		
5243	4168	9.4137	15.8495		
8009	0	33.7928	0.0000		
798	13574	16.6336	13.0143		

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3471	48852	2746	27.5999	10.0603
3472	7692	4111	8.4525	14.7355
3473	6839	9681	10.4259	16.2160
3474	0	68687	0.0000	17.6845
3475	1194	187	28.4385	13.3468
3476	6882	763	7.1614	14.3981
3477	5	30534	1.6619	17.0201
3478	3102	6656	8.1417	14.9577
3479	3951	3972	15.1967	17.1951
3480	20	9607	0.1388	12.3648
3481	88544	925	25.8902	9.2533
3482	9385	5814	6.4327	15.9726
3483	7932	21550	8.8823	12.9039
3484	13033	1194	15.3330	15.3035
3485	17161	5947	14.0661	15.8154
3486	5647	13315	9.0784	15.5191
3487	10877	961	19.9206	17.7916
3488	65085	43439	11.1562	17.2034
3489	8410	17465	7.7516	14.7257
3490	39714	1942	13.6802	17.0381
3491	4078	3153	6.1328	14.8738
3492	32730	5804	26.7184	11.7012
3493	1632	0	37.9644	0.0000
3494	1989	8	26.8800	1.5261
3495	0	14710	0.0000	14.9641
3496	16007	302	8.9774	10.7758
3497	14553	13152	11.1435	15.9229
3498	16434	15984	8.5950	17.6809
3499	6882	1139	6.2277	14.2396
3500	9315	3658	7.2885	14.3463
3501	17863	169	20.2992	15.3414
3502	16997	1603	26.1495	11.6166
3503	16346	538	16.3956	17.3530
3504	27433	207	16.7174	11.4860
3505	18476	10545	10.8938	16.7912
3506	4635	1780	6.5653	12.8045
3507	8800	278	25.3593	11.1180
3508	20042	10642	8.7367	15.8598
3509	10193	6775	6.0638	15.3618

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
48846	2746	27.5964	10.0602	
7691	4111	8.4517	14.7354	
6839	9682	10.4255	16.2180	
0	68697	0.0000	17.6872	
1194	187	28.4363	13.3466	
6882	763	7.1610	14.3982	
5	30534	1.6615	17.0198	
3102	6656	8.1413	14.9570	
3951	3972	15.1960	17.1952	
20	9611	0.1388	12.3700	
88534	925	25.8871	9.2527	
9385	5814	6.4323	15.9723	
7931	21550	8.8815	12.9039	
13034	1194	15.3343	15.3085	
17159	5946	14.0645	15.8146	
5646	13315	9.0779	15.5185	
10876	961	19.9192	17.7910	
65076	43439	11.1546	17.2037	
8410	17467	7.7508	14.7278	
39706	1943	13.6775	17.0427	
4078	3153	6.1317	14.8734	
32727	5804	26.7162	11.7012	
1632	0	37.9584	0.0000	
1989	8	26.8783	1.5262	
0	14709	0.0000	14.9632	
16005	302	8.9766	10.7774	
14552	13158	11.1425	15.9294	
16429	15984	8.5927	17.6810	
6881	1139	6.2275	14.2399	
9315	3658	7.2891	14.3463	
17860	169	20.2959	15.3411	
16997	1603	26.1495	11.6164	
16347	538	16.3958	17.3527	
27432	207	16.7169	11.4862	
18473	10546	10.8924	16.7932	
4635	1780	6.5650	12.8045	
8799	278	25.3566	11.1172	
20035	10642	8.7337	15.8597	
10193	6778	6.0637	15.3707	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3510	30333	1497	14.7390	17.2097
3511	3495	8130	249.6367	14.0656
3512	5930	10329	14.7502	15.9644
3513	46593	1975	25.6851	10.6766
3514	1798	42313	7.4903	15.3811
3515	15943	16228	11.7838	16.7301
3516	43176	1442	17.6590	16.3855
3517	15774	8327	10.2895	14.2591
3518	3066	2917	12.0248	15.9380
3519	28120	656	23.9524	19.8668
3520	32433	11913	7.7462	14.3529
3521	174165	4250	27.2730	10.9246
3522	13115	1792	25.1736	17.2299
3523	5831	2665	13.4049	14.1769
3524	15179	9791	11.1035	15.8948
3525	30349	3028	6.6892	13.3970
3526	123843	613	27.4474	3.0635
3527	14524	3034	9.8672	17.9539
3528	0	8402	0.0000	16.2195
3529	63741	364	27.8464	3.3420
3530	29252	679	14.6185	14.1520
3531	22578	9069	10.7005	17.9577
3532	1987	3357	7.5260	12.5277
3533	15730	33408	749.0249	12.3827
3534	1220	344	16.9458	17.2148
3535	36980	4995	12.7561	16.2703
3536	5	2963	0.9988	12.5531
3537	10857	14891	9.4902	12.7168
3538	6759	25134	4.4179	11.9629
3539	1988	23839	10.3555	18.1423
3540	0	24621	0.0000	15.0773
3541	0	2945	0.0000	17.4282
3542	21386	24673	9.4252	16.2859
3543	55362	12324	26.5142	8.9302
3544	30759	18325	14.2934	15.9767
3545	23124	35463	13.1761	15.7823
3546	0	3909	0.0000	10.9508
3547	24316	3425	14.1619	15.7839
3548	10056	1063	14.5314	16.6111

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
30406	1499	14.7745	17.2268	
3495	8130	249.6362	14.0652	
5930	10329	14.7508	15.9640	
46591	1975	25.6842	10.6767	
1798	42314	7.4900	15.3813	
15943	16228	11.7837	16.7299	
43173	1442	17.6578	16.3844	
15773	8328	10.2887	14.2603	
3066	2917	12.0236	15.9403	
28115	656	23.9483	19.8687	
32432	11883	7.7458	14.3165	
174158	4250	27.2719	10.9246	
13114	1792	25.1704	17.2297	
5830	2665	13.4029	14.1771	
15177	9793	11.1024	15.8978	
30348	3030	6.6890	13.4052	
123843	613	27.4475	3.0635	
14524	3034	9.8666	17.9540	
0	8402	0.0000	16.2197	
63739	364	27.8456	3.3419	
29250	679	14.6176	14.1516	
22577	9069	10.7001	17.9581	
1987	3358	7.5264	12.5281	
15730	33409	749.0246	12.3827	
1220	344	16.9444	17.2207	
36978	4997	12.7555	16.2754	
5	2963	0.9988	12.5539	
10856	14891	9.4894	12.7167	
6759	25134	4.4176	11.9630	
1988	23839	10.3553	18.1425	
0	24622	0.0000	15.0775	
0	2945	0.0000	17.4284	
21384	24673	9.4246	16.2859	
55353	12323	26.5101	8.9297	
30745	18325	14.2868	15.9767	
23122	35461	13.1751	15.7814	
0	3909	0.0000	10.9510	
24312	3425	14.1596	15.7855	
10055	1063	14.5303	16.6171	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3549	17630	123	16.5076	10.2289
3550	1724	43856	287.4165	15.8383
3551	0	38766	0.0000	15.7202
3552	47305	8072	12.3576	15.0871
3553	23698	27991	9.8867	14.4061
3554	3195	1426	5.0872	9.4457
3555	67289	906	28.5608	8.0214
3556	4379	7658	7.4345	9.8814
3557	251455	32391	24.1737	10.8550
3558	3859	257	15.6854	16.0859
3559	14697	681	14.2555	15.8418
3560	6239	0	15.7152	0.0000
3561	246	11710	35.1438	15.0315
3562	4577	9	27.2450	1.8135
3563	26130	26312	5.7002	13.0258
3564	49687	8482	8.1789	15.7068
3565	15754	1912	24.4255	18.9339
3566	16460	5080	15.4408	14.0320
3567	0	19343	0.0000	19.3813
3568	27208	1502	22.3379	16.6883
3569	1185	23194	23.2307	17.1681
3570	128962	8398	24.4942	10.8224
3571	16794	242	41.6719	13.4544
3572	32372	19602	13.2187	14.0618
3573	11388	173	15.0242	12.3330
3574	9538	1808	13.6647	14.8170
3575	11311	2267	25.5901	18.2827
3576	44530	332	27.5047	3.5322
3577	85548	78439	12.3233	16.3482
3578	34809	10145	11.5645	17.8930
3579	83705	2834	37.7558	16.2849
3580	12963	72930	2.4814	16.2754
3581	41732	2892	12.0197	15.8018
3582	65420	16960	13.6491	13.7662
3583	2224	3690	28.5099	17.0830
3584	41582	4598	12.0042	16.8412
3585	47684	2795	16.6148	15.6170
3586	0	2504	0.0000	13.0436
3587	327677	8849	26.1077	6.4878

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
17629	123	16.5061	10.2285	
1724	43857	287.4161	15.8385	
0	38767	0.0000	15.7206	
47298	8072	12.3559	15.0879	
23696	27988	9.8858	14.4044	
3195	1426	5.0869	9.4456	
67298	906	28.5645	8.0213	
4379	7658	7.4342	9.8816	
251443	32392	24.1725	10.8553	
3858	257	15.6838	16.0861	
14697	681	14.2547	15.8419	
6238	0	15.7135	0.0000	
246	11703	35.1425	15.0233	
4577	9	27.2416	1.8135	
26127	26315	5.6995	13.0273	
49681	8467	8.1780	15.6794	
15752	1912	24.4221	18.9335	
16458	5080	15.4394	14.0325	
0	19343	0.0000	19.3815	
27204	1502	22.3348	16.6883	
1185	23194	23.2304	17.1680	
128949	8398	24.4918	10.8225	
16793	242	41.6699	13.4543	
32369	19603	13.2172	14.0621	
11386	173	15.0212	12.3334	
9539	1808	13.6663	14.8172	
11309	2267	25.5860	18.2830	
44528	332	27.5031	3.5321	
85530	78440	12.3207	16.3484	
34808	10145	11.5642	17.8931	
83702	2834	37.7548	16.2848	
12962	72878	2.4813	16.2637	
41728	2892	12.0185	15.8036	
65417	16959	13.6484	13.7655	
2223	3690	28.5063	17.0830	
41582	4598	12.0039	16.8412	
47679	2795	16.6130	15.6163	
0	2504	0.0000	13.0434	
327655	8849	26.1059	6.4878	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3588	38754	6318	11.8010	16.4537
3589	12	8778	4.0911	19.3768
3590	21115	216	13.0661	13.5110
3591	98695	62742	12.0096	15.2324
3592	23597	1146	24.1775	15.9210
3593	91348	1642	26.1069	7.4989
3594	10727	75	13.8585	10.7487
3595	7582	186	13.0948	12.3836
3596	16598	835	25.7726	11.9223
3597	25520	12037	12.7281	16.5574
3598	6240	24602	480.0017	14.1965
3599	113578	1173	26.6490	6.2739
3600	78308	30275	14.2507	15.2828
3601	20968	0	15.2604	0.0000
3602	15660	105	13.8341	10.5298
3603	9213	155	12.2999	12.9368
3604	1036	2648	45.0409	13.8626
3605	9056	2259	25.8741	13.1336
3606	3592	17	13.2564	8.6013
3607	12764	5102	31.1324	11.1159
3608	126594	2759	13.3117	14.9968
3609	63777	79884	12.6819	15.8532
3610	38234	937	21.9990	13.3923
3611	3401	2394	15.3184	18.7069
3612	12548	1102	20.2389	15.1001
3613	2543	0	15.0499	0.0000
3614	2970	48	18.2195	9.6215
3615	21381	0	13.4726	0.0000
3616	3788	0	22.2821	0.0000
3617	9253	257	11.8179	13.5401
3618	7577	19	11.4978	9.4427
3619	15315	636	13.7599	13.8351
3620	0	759	0.0000	16.8739
3621	64063	3265	25.9891	9.0206
3622	6713	14133	335.6506	12.1734
3623	61598	16428	15.8147	15.8874
3624	7535	22	27.0061	3.1641
3625	283678	16112	25.7912	10.5515
3626	86684	1578	28.7508	7.8119

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
38748	6313	11.7991	16.4412	
12	8778	4.0898	19.3773	
21113	216	13.0648	13.5114	
98680	62738	12.0078	15.2314	
23594	1146	24.1743	15.9211	
91336	1642	26.1033	7.4990	
10725	75	13.8572	10.7422	
7581	186	13.0930	12.3835	
16596	835	25.7702	11.9224	
25517	12026	12.7264	16.5423	
6240	24599	480.0011	14.1947	
113580	1173	26.6494	6.2734	
78302	30277	14.2497	15.2838	
20965	0	15.2586	0.0000	
15657	105	13.8310	10.5298	
9211	155	12.2981	12.9376	
1036	2647	45.0396	13.8610	
9055	2259	25.8715	13.1337	
3592	17	13.2539	8.6012	
12764	5102	31.1311	11.1157	
126559	2759	13.3080	14.9969	
63774	79885	12.6813	15.8533	
38230	937	21.9965	13.3923	
3400	2393	15.3173	18.6927	
12547	1102	20.2368	15.1002	
2543	0	15.0481	0.0000	
2969	48	18.2171	9.6208	
21378	0	13.4709	0.0000	
3789	0	22.2872	0.0000	
9253	257	11.8168	13.5402	
7576	19	11.4957	9.4430	
15311	636	13.7563	13.8352	
0	759	0.0000	16.8739	
64064	3265	25.9896	9.0198	
6713	14132	335.6488	12.1720	
61583	16428	15.8108	15.8875	
7534	22	27.0038	3.1641	
283660	16111	25.7896	10.5505	
86682	1578	28.7504	7.8118	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3627	6606	206	11.5889	11.4267
3628	2970	17	12.6391	8.6605
3629	5689	973	11.1773	13.8984
3630	296	3793	26.9013	20.5045
3631	58441	4106	24.1790	11.4363
3632	10210	40082	13.5777	15.7804
3633	6439	907	16.0166	11.4790
3634	24052	2866	19.6342	14.4022
3635	53513	2208	24.9944	8.9014
3636	21523	6581	27.2791	12.4173
3637	22076	484	17.6465	11.7973
3638	12538	680	13.7936	12.8226
3639	5120	0	19.3222	0.0000
3640	6484	207	12.0742	12.9585
3641	3107	171	12.4296	12.2265
3642	7922	245	14.3255	13.5968
3643	14873	30	14.7259	4.3070
3644	30384	998	22.2428	10.5010
3645	32147	6302	25.7175	10.7542
3646	10240	6008	19.2477	14.0363
3647	48477	6134	27.1277	10.8755
3648	276	0	11.9926	0.0000
3649	407	1820	9.9255	13.7877
3650	22623	0	20.1272	0.0000
3651	427	14965	38.8151	14.1315
3652	16086	103	31.6659	7.3902
3653	6524	293	23.6372	12.7193
3654	6640	61	20.4927	7.6041
3655	3539	118845	70.7722	14.7085
3656	6728	526	13.2955	12.5201
3657	0	239	0.0000	14.0768
3658	12180	1066	12.3151	14.6062
3659	16837	107	11.5007	11.9393
3660	22005	477	11.8243	14.4658
3661	32354	570	14.3539	15.4074
3662	21833	130	16.3418	5.8975
3663	67785	10286	11.5476	13.7886
3664	4845	322	14.0444	12.8926
3665	51167	4925	27.3767	11.5334

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
6605	206	11.5878	11.4270	
2970	17	12.6368	8.6605	
5688	973	11.1744	13.8982	
296	3793	26.9006	20.5044	
58437	4105	24.1777	11.4350	
10209	40084	13.5758	15.7809	
6438	907	16.0156	11.4781	
24049	2866	19.6322	14.4017	
53511	2207	24.9936	8.9005	
21524	6581	27.2799	12.4162	
22070	484	17.6422	11.7976	
12538	680	13.7928	12.8217	
5120	0	19.3197	0.0000	
6483	207	12.0724	12.9589	
3107	171	12.4275	12.2270	
7920	245	14.3222	13.5968	
14872	30	14.7249	4.3070	
30381	997	22.2411	10.4993	
32145	6301	25.7159	10.7529	
10237	6008	19.2430	14.0368	
48473	6134	27.1256	10.8758	
276	0	11.9922	0.0000	
407	1820	9.9253	13.7886	
22621	0	20.1251	0.0000	
427	14965	38.8139	14.1314	
16087	103	31.6668	7.3902	
6523	293	23.6341	12.7194	
6638	61	20.4876	7.6042	
3539	118846	70.7718	14.7087	
6726	526	13.2924	12.5204	
0	239	0.0000	14.0767	
12180	1066	12.3151	14.6082	
16834	107	11.4990	11.9397	
21998	477	11.8207	14.4659	
32349	570	14.3518	15.4074	
21830	130	16.3396	5.8975	
67773	10286	11.5456	13.7886	
4844	322	14.0415	12.8929	
51168	4925	27.3774	11.5335	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3666	16332	581	17.6751	16.6008
3667	26250	681	25.4365	3.1531
3668	10531	3457	30.4364	11.1892
3669	45046	15	17.9252	2.0887
3670	47716	19102	10.2880	13.2930
3671	54193	1682	24.1288	6.8085
3672	20853	795	21.0216	12.4216
3673	2673	1336	20.1001	20.2423
3674	38784	391	25.4486	8.8892
3675	0	24996	0.0000	15.6031
3676	10607	135	24.4972	8.9672
3677	50338	6656	25.4747	10.3507
3678	1326	114	24.1167	12.7193
3679	3479	94	42.4295	15.7495
3680	7018	39	15.1908	4.8185
3681	76773	2035	27.2050	8.1088
3682	12911	2150	17.4467	13.6086
3683	0	60472	0.0000	13.6907
3684	40970	3953	25.7352	13.5391
3685	19202	73226	11.9117	13.8213
3686	13110	702	15.1216	14.9259
3687	12535	2739	13.1253	14.8062
3688	58851	4062	27.6425	12.1250
3689	12544	1334	15.0043	14.9907
3690	43964	236	15.3558	7.6168
3691	25447	5174	11.1415	13.0662
3692	102106	1999	10.6996	12.1170
3693	5608	27	18.2078	5.3876
3694	27504	614	17.5746	9.3052
3695	40789	4644	24.2789	10.1615
3696	16010	35	17.1962	3.5062
3697	74049	1452	16.0871	14.5156
3698	9344	49	17.1128	5.4477
3699	45025	4689	10.4783	12.1173
3700	884	0	28.5168	0.0000
3701	25921	735	23.6723	10.2124
3702	13635	40	19.4506	4.0477
3703	198063	10499	23.8285	8.4736
3704	83732	4957	23.0349	11.5004

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
16329	581	17.6720	16.6006	
26248	681	25.4342	3.1531	
10531	3457	30.4359	11.1881	
45041	15	17.9231	2.0888	
47707	19105	10.2861	13.2950	
54192	1681	24.1283	6.8075	
20848	795	21.0163	12.4217	
2673	1335	20.0988	20.2328	
38781	391	25.4470	8.8892	
0	24996	0.0000	15.6031	
10606	135	24.4944	8.9672	
50338	6656	25.4747	10.3510	
1326	114	24.1134	12.7193	
3479	94	42.4306	15.7495	
7017	39	15.1882	4.8184	
76769	2035	27.2039	8.1087	
12908	2150	17.4437	13.6089	
0	60470	0.0000	13.6903	
40967	3953	25.7329	13.5390	
19197	73231	11.9091	13.8224	
13108	702	15.1192	14.9263	
12532	2739	13.1226	14.8060	
58852	4062	27.6428	12.1251	
12541	1334	15.0012	14.9904	
43960	236	15.3545	7.6169	
25443	5174	11.1397	13.0662	
102087	1999	10.6976	12.1172	
5607	27	18.2055	5.3877	
27499	614	17.5711	9.3054	
40789	4643	24.2793	10.1601	
16007	35	17.1934	3.5061	
74040	1452	16.0851	14.5154	
9344	49	17.1142	5.4478	
45018	4689	10.4767	12.1170	
884	0	28.5033	0.0000	
25918	735	23.6694	10.2124	
13633	40	19.4475	4.0474	
198046	10498	23.8265	8.4728	
83691	4957	23.0237	11.5004	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3705	0	2448	0.0000	14.9295
3706	20234	710	27.8712	9.4609
3707	137	3506	22.7526	14.7324
3708	15870	100948	20.6376	14.1225
3709	139	366	15.4216	12.2043
3710	122962	3843	21.1747	10.6149
3711	3759	433	15.2803	13.1363
3712	0	2539	0.0000	11.7008
3713	30953	10426	8.4826	10.7154
3714	33564	12237	9.1331	11.4900
3715	46440	27	81.4737	2.6827
3716	53342	8175	18.3557	11.4501
3717	0	2279	0.0000	14.5177
3718	553	21	18.4244	10.6788
3719	5052	619	32.5913	17.1968
3720	11781	129	18.3505	12.8931
3721	1630	2163	17.9170	18.3347
3722	7759	69	19.2534	9.8655
3723	53324	2986	26.7423	7.2125
3724	66828	1125	18.9207	10.6158
3725	2631	601	20.5576	13.9677
3726	6451	61	16.9772	10.1269
3727	841	8096	70.0730	14.4838
3728	110419	2154	20.1679	9.2459
3729	8228	937	16.0385	11.7140
3730	76705	7683	11.4469	10.9447
3731	25263	4570	15.6331	12.3847
3732	96926	13546	14.0840	13.6690
3733	73450	3037	12.4386	11.8181
3734	48113	1646	13.1061	12.0154
3735	3880	356	13.8558	11.8523
3736	20	84	9.8973	11.9972
3737	151190	3786	21.6201	9.0782
3738	1451	476	8.5849	12.8544
3739	54988	8700	26.6415	10.5582
3740	44177	21928	20.4713	12.5303
3741	0	2330	0.0000	13.4680
3742	1146	0	22.9250	0.0000
3743	0	27285	0.0000	13.1940

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	2448	0.0000	14.9295	
20234	710	27.8707	9.4609	
137	3506	22.7515	14.7321	
15869	100950	20.6365	14.1228	
139	366	15.4195	12.2146	
122934	3843	21.1700	10.6149	
3758	433	15.2780	13.1363	
0	2539	0.0000	11.7022	
30944	10426	8.4802	10.7158	
33560	12237	9.1321	11.4900	
46439	27	81.4725	2.6827	
53334	8176	18.3529	11.4503	
0	2279	0.0000	14.5178	
553	21	18.4221	10.6797	
5051	619	32.5872	17.1968	
11779	129	18.3477	12.8930	
1630	2163	17.9160	18.3321	
7757	69	19.2493	9.8654	
53319	2986	26.7399	7.2125	
66809	1125	18.9153	10.6159	
2631	601	20.5546	13.9684	
6450	61	16.9747	10.1264	
841	8097	70.0730	14.4839	
110423	2154	20.1685	9.2459	
8226	937	16.0354	11.7143	
76698	7683	11.4458	10.9449	
25258	4570	15.6302	12.3847	
96909	13543	14.0816	13.6659	
73440	3037	12.4369	11.8182	
48106	1646	13.1043	12.0154	
3879	356	13.8547	11.8522	
20	84	9.8950	11.9972	
151170	3786	21.6173	9.0785	
1451	476	8.5840	12.8545	
54983	8700	26.6392	10.5582	
44171	21928	20.4686	12.5304	
0	2330	0.0000	13.4677	
1146	0	22.9221	0.0000	
0	27285	0.0000	13.1938	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3744	29896	24225	8.2517	12.2475
3745	30844	14058	9.1146	11.2104
3746	2243	4425	11.6842	11.9594
3747	1437	84	17.5299	10.5603
3748	33782	267	27.2437	4.8462
3749	35415	1693	21.9422	13.6539
3750	0	293	0.0000	13.3317
3751	43403	273	16.4343	10.9389
3752	20832	13443	26.3028	12.1658
3753	73444	1104	17.5618	9.2752
3754	9543	17233	19.9236	13.1148
3755	71015	1850	21.6443	11.8587
3756	29080	1298	17.9504	10.6378
3757	8721	0	19.0008	0.0000
3758	3471	25	23.2933	8.4062
3759	3568	1194	20.5062	12.7073
3760	73874	1937	11.2151	10.6433
3761	59392	6122	10.2153	11.1102
3762	52681	8214	10.4360	11.1004
3763	53888	17699	11.1940	11.5225
3764	58113	3124	12.6995	10.5891
3765	4799	8865	11.4268	11.1504
3766	65826	15998	19.5156	11.8858
3767	7182	37347	552.4726	13.0265
3768	48909	15184	24.8397	11.8439
3769	44192	2240	15.0416	13.4961
3770	2859	9206	32.8595	11.6674
3771	2026	17406	67.5424	12.8456
3772	139532	7499	23.7178	8.6796
3773	51985	26601	11.4454	12.3782
3774	6011	628	22.0193	13.3650
3775	3584	15765	162.9245	12.2017
3776	128230	201	28.8417	3.3444
3777	164497	20075	15.6828	10.4886
3778	6127	203	22.2782	13.5375
3779	11	12755	2.1461	11.5637
3780	50138	21943	17.0076	11.3458
3781	26299	8242	11.0316	10.7314
3782	48703	17297	11.0890	10.4012

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
29895	24225	8.2515	12.2471	
30852	14065	9.1169	11.2163	
2243	4425	11.6820	11.9595	
1437	84	17.5269	10.5605	
33778	267	27.2406	4.8462	
35415	1693	21.9425	13.6531	
0	293	0.0000	13.3326	
43396	273	16.4317	10.9373	
20831	13443	26.3012	12.1659	
73419	1104	17.5558	9.2759	
9542	17233	19.9214	13.1149	
71005	1850	21.6414	11.8600	
29074	1298	17.9470	10.6377	
8720	0	18.9979	0.0000	
3471	25	23.2933	8.4065	
3568	1195	20.5041	12.7081	
73866	1937	11.2140	10.6435	
59386	6122	10.2143	11.1105	
52673	8214	10.4344	11.1003	
53880	17699	11.1924	11.5230	
58106	3124	12.6981	10.5895	
4799	8864	11.4266	11.1502	
65827	15998	19.5158	11.8857	
7182	37346	552.4672	13.0262	
48903	15184	24.8366	11.8439	
44188	2240	15.0401	13.4964	
2858	9206	32.8555	11.6673	
2026	17405	67.5421	12.8450	
139531	7499	23.7176	8.6796	
51975	26600	11.4431	12.3780	
6011	628	22.0169	13.3651	
3584	15764	162.9238	12.2016	
128216	201	28.8385	3.3444	
164462	20076	15.6795	10.4889	
6126	203	22.2754	13.5376	
11	12756	2.1447	11.5649	
50130	21943	17.0046	11.3461	
26296	8242	11.0304	10.7312	
48697	17298	11.0877	10.4016	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3783	21305	2789	10.8091	10.3696
3784	14348	17452	15.7157	12.9662
3785	29906	10302	9.2819	10.6202
3786	1479	8598	43.4900	13.3100
3787	37729	306	82.9218	4.9411
3788	58094	545	13.1019	9.9104
3789	9749	14906	11.6756	11.2928
3790	25311	3978	11.7342	11.3991
3791	70922	590	19.2149	8.5457
3792	209106	16768	20.2543	10.8463
3793	60196	753	19.4120	6.3792
3794	11490	0	44.8845	0.0000
3795	148669	42637	19.7961	11.3487
3796	88051	8933	16.5883	10.9743
3797	16113	4405	19.7464	11.6533
3798	4688	1689	21.3099	12.1479
3799	0	677	0.0000	13.8256
3800	75397	28355	12.7901	11.0244
3801	103509	10439	12.8551	9.5593
3802	30513	5295	11.5491	10.6975
3803	60956	1815	11.8569	10.0264
3804	26792	756	14.3274	9.6892
3805	17878	7266	12.5287	11.3182
3806	25464	629	9.9353	11.0287
3807	27409	235	16.7946	9.7847
3808	25011	8094	12.1651	11.5468
3809	3066	0	19.4068	0.0000
3810	14158	6300	16.8553	11.4122
3811	44023	1521	13.6717	12.5732
3812	1109	7841	100.7740	13.2008
3813	4228	73	19.2166	10.4093
3814	28425	4438	13.8052	10.9857
3815	66685	404	19.9118	4.3469
3816	99789	2521	21.2091	9.5475
3817	94616	8139	18.8853	9.1145
3818	40921	3750	20.4910	12.8858
3819	262820	16281	15.0432	9.3625
3820	90927	1329	14.8477	8.3074
3821	25850	7628	15.9766	12.4844

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
21302	2789	10.8078	10.3696	
14347	17454	15.7143	12.9672	
29901	10301	9.2804	10.6200	
1479	8599	43.4868	13.3109	
37729	306	82.9200	4.9412	
58093	545	13.1017	9.9106	
9747	14907	11.6736	11.2929	
25310	3978	11.7340	11.3989	
70914	590	19.2126	8.5467	
209068	16768	20.2506	10.8461	
60193	753	19.4107	6.3792	
11490	0	44.8816	0.0000	
148660	42637	19.7949	11.3487	
88035	8933	16.5853	10.9742	
16112	4405	19.7446	11.6532	
4688	1688	21.3080	12.1473	
0	677	0.0000	13.8265	
75387	28352	12.7883	11.0233	
103497	10439	12.8536	9.5592	
30506	5295	11.5467	10.6972	
60936	1815	11.8529	10.0263	
26788	756	14.3253	9.6889	
17875	7271	12.5264	11.3258	
25461	629	9.9339	11.0286	
27416	235	16.7988	9.7916	
25031	8094	12.1748	11.5468	
3066	0	19.4037	0.0000	
14156	6300	16.8524	11.4123	
44021	1521	13.6713	12.5732	
1108	7841	100.7701	13.2007	
4227	73	19.2147	10.4088	
28418	4438	13.8017	10.9859	
66688	404	19.9128	4.3469	
99773	2521	21.2058	9.5483	
94608	8139	18.8839	9.1143	
40916	3750	20.4885	12.8858	
262775	16282	15.0406	9.3626	
90913	1329	14.8454	8.3075	
25844	7628	15.9730	12.4842	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3822	17355	4516	15.3043	13.8957
3823	0	815	0.0000	12.1576
3824	12609	19529	22.1591	13.2578
3825	112978	10321	13.4482	10.6293
3826	16722	18349	20.2686	12.2324
3827	103666	5333	13.5636	9.3564
3828	55246	1157	12.0651	10.3285
3829	29829	3796	11.6385	11.1314
3830	26540	1800	12.1689	11.1127
3831	2417	253	17.2649	15.8269
3832	34371	116	12.0431	7.7449
3833	15466	1236	25.5641	11.2344
3834	3172	683	12.5868	11.9867
3835	49366	5455	20.7768	10.2159
3836	52875	554	26.7317	8.4001
3837	44387	193	80.8507	5.0723
3838	25168	14335	16.3536	12.6861
3839	17866	12143	17.8306	13.4182
3840	3133	0	89.5162	0.0000
3841	35882	23	16.4145	3.2794
3842	259328	10022	15.9764	9.6737
3843	31848	543	27.2437	7.1487
3844	41249	3256	16.3945	14.8659
3845	36827	1669	22.1183	7.4527
3846	24424	1225	15.2937	10.8390
3847	9996	0	72.4342	0.0000
3848	7251	2882	20.6008	12.9223
3849	326	493	17.1555	11.7406
3850	4441	40	19.3922	8.0733
3851	82177	1904	13.9614	11.8287
3852	12477	11	76.0819	1.7599
3853	1883	10232	37.6662	11.8425
3854	42125	21134	20.4389	11.3685
3855	13963	411	18.2763	13.2598
3856	1	20273	0.2177	13.1640
3857	36647	1453	21.6844	19.6301
3858	19094	680	17.1558	10.4556
3859	11820	2943	21.1827	10.9802
3860	39851	0	18.8778	0.0000

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
17353	4516	15.3026	13.8940	
0	815	0.0000	12.1577	
12608	19528	22.1587	13.2572	
112964	10321	13.4465	10.6289	
16711	18349	20.2560	12.2326	
103655	5333	13.5621	9.3562	
55239	1157	12.0635	10.3284	
29823	3796	11.6359	11.1309	
26537	1800	12.1673	11.1129	
2417	253	17.2628	15.8271	
34454	116	12.0721	7.7499	
15464	1236	25.5597	11.2345	
3171	683	12.5847	11.9866	
49366	5455	20.7767	10.2157	
52865	554	26.7265	8.3999	
44386	193	80.8492	5.0717	
25168	14335	16.3532	12.6862	
17865	12143	17.8294	13.4182	
3133	0	89.5142	0.0000	
35882	23	16.4144	3.2795	
259289	10022	15.9739	9.6738	
31844	543	27.2403	7.1487	
41242	3256	16.3920	14.8661	
36828	1669	22.1187	7.4525	
24420	1225	15.2912	10.8402	
9996	0	72.4329	0.0000	
7250	2882	20.5977	12.9223	
326	493	17.1528	11.7408	
4440	40	19.3890	8.0734	
82162	1904	13.9589	11.8289	
12477	11	76.0794	1.7600	
1884	10232	37.6724	11.8426	
42122	21134	20.4375	11.3682	
13963	411	18.2760	13.2602	
1	20273	0.2177	13.1640	
36643	1453	21.6821	19.6300	
19093	680	17.1542	10.4553	
11778	2943	21.1071	10.9799	
39848	0	18.8764	0.0000	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3861	524	1367	26.1881	11.7852
3862	28577	786	20.7079	10.4817
3863	20151	595	17.9437	8.5031
3864	0	3935	0.0000	14.0549
3865	10592	0	25.1583	0.0000
3866	87287	756	21.1860	4.0670
3867	21813	2515	19.3375	11.6416
3868	10501	9359	20.6304	10.9460
3869	32112	2192	13.0376	11.1845
3870	65684	9243	13.9663	10.9126
3871	76465	9667	16.9133	10.2297
3872	62176	3993	13.9973	11.5730
3873	12358	8823	25.6386	15.8407
3874	65038	5308	18.0912	10.7014
3875	0	8112	0.0000	13.7962
3876	0	1764	0.0000	13.1607
3877	68445	21946	19.7135	11.0115
3878	80555	8623	16.6676	10.7791
3879	251388	5825	16.0109	9.8236
3880	67328	3983	18.2806	11.2523
3881	20048	43	16.3254	4.8007
3882	88380	498	16.6629	7.9099
3883	130266	4067	15.8881	9.8248
3884	21339	73281	130.9171	15.0352
3885	9278	4318	18.3005	11.1874
3886	0	2611	0.0000	13.5993
3887	14751	0	23.2296	0.0000
3888	7872	91	19.5817	8.2856
3889	8136	27166	184.8986	14.0322
3890	3179	209	19.1525	13.0509
3891	242410	4802	19.3711	4.5817
3892	71641	51536	20.2720	12.5911
3893	0	9349	0.0000	12.4817
3894	73462	5745	211.7056	4.3358
3895	0	3945	0.0000	12.5247
3896	6033	8900	22.0180	13.4651
3897	19665	3570	23.8945	11.1209
3898	0	668	0.0000	13.3516
3899	9746	9780	21.5133	14.5323

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
524	1367	26.1847	11.7821	
28570	786	20.7026	10.4816	
20148	595	17.9411	8.5028	
0	3935	0.0000	14.0546	
10590	0	25.1552	0.0000	
87289	756	21.1866	4.0670	
21809	2515	19.3342	11.6417	
10500	9359	20.6289	10.9461	
32107	2192	13.0356	11.1845	
65673	9243	13.9640	10.9123	
76460	9667	16.9121	10.2297	
62191	3996	14.0008	11.5826	
12357	8823	25.6367	15.8405	
65027	5308	18.0881	10.7018	
0	8112	0.0000	13.7963	
0	1764	0.0000	13.1608	
68417	21946	19.7053	11.0113	
80547	8623	16.6661	10.7793	
251343	5825	16.0081	9.8236	
67316	3983	18.2774	11.2526	
20042	43	16.3207	4.8008	
88362	498	16.6594	7.9095	
130249	4067	15.8859	9.8248	
21339	73277	130.9167	15.0343	
9276	4318	18.2949	11.1871	
0	2611	0.0000	13.5990	
14748	0	23.2258	0.0000	
7871	91	19.5801	8.2855	
8136	27166	184.8986	14.0321	
3179	209	19.1499	13.0509	
242391	4802	19.3696	4.5816	
71633	51537	20.2696	12.5915	
0	9349	0.0000	12.4817	
73462	5745	211.7055	4.3358	
0	3946	0.0000	12.5256	
6032	8900	22.0150	13.4651	
19665	3570	23.8945	11.1209	
0	668	0.0000	13.3517	
9744	9780	21.5104	14.5323	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3900	6	7409	1.2977	12.6652
3901	11492	6659	22.1853	11.3241
3902	16747	6304	17.0543	12.3612
3903	1326	277	18.6729	13.8658
3904	38492	7441	20.9649	11.3426
3905	25608	2859	18.7058	12.0624
3906	10314	1923	15.7464	14.5666
3907	41139	250	18.8972	10.3998
3908	26879	703	17.8719	10.6585
3909	673	647	16.4076	12.6818
3910	508	687	33.8959	12.9561
3911	0	4650	0.0000	12.8821
3912	1648	410	17.3439	12.8086
3913	2	23007	0.3517	15.5033
3914	33835	12278	17.9689	10.2831
3915	7421	21076	63.4242	14.2020
3916	65188	11332	23.3648	10.7510
3917	63437	29531	20.6300	13.5961
3918	125770	41968	16.6363	11.8519
3919	7275	12464	23.2414	13.2316
3920	46	398	0.3529	11.7163
3921	119311	4030	20.4020	10.0740
3922	9463	3124	21.2171	12.1070
3923	34998	4556	23.8085	11.1944
3924	3095	3803	22.5926	12.3887
3925	75455	15224	19.8827	11.4900
3926	12285	666	14.8734	11.8913
3927	3498	7639	17.6676	19.6877
3928	55075	15276	25.2173	10.3287
3929	23295	1522	19.0940	10.9488
3930	9069	9	19.4612	4.5218
3931	1121	670	20.0108	12.4022
3932	0	141483	0.0000	16.5613
3933	21347	723	19.7112	12.6889
3934	34326	2992	18.0282	11.7336
3935	0	23921	0.0000	14.7569
3936	3532	3084	58.8655	11.5091
3937	2778	17962	198.4221	12.3193
3938	52402	4485	22.7540	8.8821

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
6	7409	1.2976	12.6653	
11487	6659	22.1752	11.3241	
16740	6304	17.0465	12.3612	
1326	277	18.6694	13.8659	
38475	7441	20.9559	11.3424	
25598	2859	18.6983	12.0625	
10313	1923	15.7451	14.5682	
41134	250	18.8947	10.3998	
26875	703	17.8690	10.6585	
673	647	16.4054	12.6819	
508	687	33.8971	12.9547	
0	4650	0.0000	12.8822	
1647	410	17.3414	12.8088	
2	23007	0.3517	15.5033	
33832	12278	17.9669	10.2831	
7421	21075	63.4237	14.2016	
65189	11332	23.3653	10.7510	
63436	29532	20.6295	13.5967	
125759	41969	16.6347	11.8522	
7274	12464	23.2407	13.2319	
46	398	0.3529	11.7160	
119252	4029	20.3919	10.0737	
9461	3124	21.2132	12.1070	
35004	4556	23.8125	11.1944	
3095	3804	22.5902	12.3900	
75460	15224	19.8840	11.4902	
12284	666	14.8711	11.8914	
3498	7639	17.6671	19.6887	
55077	15276	25.2184	10.3287	
23292	1522	19.0921	10.9489	
9068	9	19.4590	4.5218	
1120	670	20.0084	12.4020	
0	141496	0.0000	16.5628	
21342	723	19.7066	12.6886	
34321	2992	18.0257	11.7328	
0	23920	0.0000	14.7561	
3532	3084	58.8647	11.5091	
2778	17962	198.4209	12.3195	
52411	4485	22.7575	8.8821	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3939	0	41069	0.0000	14.7148
3940	52530	4716	18.7005	10.7432
3941	8059	0	27.1363	0.0000
3942	62534	135	19.0537	3.2112
3943	43967	10896	27.2239	11.4575
3944	12530	11	68.4674	1.5932
3945	7590	3918	21.6867	13.8951
3946	61653	144	21.0634	3.2752
3947	13548	13530	40.2025	12.4474
3948	11615	3075	15.9113	15.6903
3949	21024	2240	17.1066	15.8897
3950	100352	2137	20.3885	9.4548
3951	46839	6801	14.2714	12.8811
3952	1593	321	22.4347	11.9022
3953	22265	1550	19.7380	13.1371
3954	36021	1017	14.6546	12.1018
3955	23100	25007	19.5262	13.8158
3956	1698	10900	67.9110	12.5865
3957	55452	2527	20.1495	10.5303
3958	3745	2004	19.8126	12.5226
3959	16372	2767	18.2316	9.5417
3960	31927	1348	16.6375	12.4770
3961	88006	11059	18.0267	9.9995
3962	44900	114048	1662.9457	14.4237
3963	135192	437	18.5220	5.4593
3964	136177	5614	23.2542	7.6693
3965	37864	6002	18.6616	11.6551
3966	26259	0	19.6109	0.0000
3967	14048	946	20.0399	12.1266
3968	4440	15	21.9795	3.7733
3969	80314	1537	19.1134	4.9107
3970	89844	5375	16.5916	11.8141
3971	0	15227	0.0000	13.9316
3972	2776	1112	89.5560	13.7294
3973	55749	53489	15.9328	13.7468
3974	18374	24531	110.6891	10.8402
3975	37691	172	25.3637	3.3078
3976	0	1833	0.0000	12.4721
3977	2878	264	23.9810	10.5567

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	41067	0.0000	14.7140	
52526	4716	18.6992	10.7434	
8061	0	27.1407	0.0000	
62540	135	19.0555	3.2111	
43972	10896	27.2274	11.4575	
12530	11	68.4676	1.5932	
7590	3919	21.6843	13.8954	
61648	144	21.0619	3.2751	
13549	13529	40.2043	12.4459	
11613	3075	15.9086	15.6913	
21021	2241	17.1041	15.8902	
100315	2137	20.3809	9.4548	
46840	6801	14.2718	12.8814	
1593	321	22.4310	11.9022	
22243	1550	19.7190	13.1374	
36017	1017	14.6531	12.1019	
23097	25008	19.5245	13.8163	
1698	10900	67.9087	12.5863	
55441	2526	20.1459	10.5270	
3743	2004	19.8066	12.5227	
16371	2767	18.2305	9.5417	
31923	1348	16.6351	12.4773	
87994	11059	18.0241	9.9995	
44899	114056	1662.9443	14.4247	
135173	437	18.5194	5.4593	
136175	5614	23.2540	7.6693	
37860	6002	18.6593	11.6548	
26255	0	19.6081	0.0000	
14045	946	20.0358	12.1265	
4439	15	21.9767	3.7733	
80320	1537	19.1147	4.9107	
89829	5375	16.5889	11.8138	
0	15227	0.0000	13.9315	
2776	1112	89.5584	13.7280	
55745	53490	15.9317	13.7471	
18374	24528	110.6895	10.8386	
37696	172	25.3677	3.3077	
0	1833	0.0000	12.4708	
2877	264	23.9771	10.5567	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
3978	428	2599	71.3723	12.4347
3979	0	1686	0.0000	14.7881
3980	0	49717	0.0000	12.5485
3981	0	95059	0.0000	13.0325
3982	5337	3811	20.3702	11.3430
3983	124547	52486	79.5318	13.0270
3984	105335	8636	20.0446	8.6798
3985	36480	20416	193.0165	11.8216
3986	4041	253	23.0933	14.0638
3987	142786	16522	20.3399	10.8484
3988	21655	1363	21.7198	13.4916
3989	75907	3648	18.5592	9.7267
3990	25841	78	20.4766	5.5933
3991	53571	53922	21.6536	13.3272
3992	33026	14769	11.5759	11.7584
3993	0	0	0.0000	0.0000
3994	169234	1957	20.4562	4.0013
3995	35294	982	19.4136	11.2818
3996	27905	7254	18.9444	12.5726
3997	13612	6679	17.7469	14.1501
3998	78021	3298	19.9900	10.8841
3999	8297	394	18.3968	13.5797
4000	1101	4142	37.9570	16.1153
4001	47021	18	25.5547	2.2496
4002	39651	1085	20.7489	10.7458
4003	45975	1233	19.7486	3.8653
4004	0	1332	0.0000	10.7431
4005	7805	1448	19.0826	11.5819
4006	20610	4495	20.2254	12.3159
4007	42682	8	21.0049	1.2640
4008	8706	69	22.2649	9.8898
4009	0	5437	0.0000	14.0861
4010	15953	1739	19.6712	14.8635
4011	11074	771	22.6461	14.8310
4012	30547	69	22.7796	3.4528
4013	60129	694	19.7988	3.0985
4014	12166	2355	19.0689	14.6257
4015	50617	0	22.2003	0.0000
4016	11347	0	20.9361	0.0084

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
428	2599	71.3705	12.4346	
0	1686	0.0000	14.7882	
0	49717	0.0000	12.5484	
0	95059	0.0000	13.0325	
5337	3811	20.3686	11.3431	
124545	52493	79.5309	13.0287	
105343	8636	20.0462	8.6799	
36480	20418	193.0161	11.8230	
4044	253	23.1069	14.0638	
142779	16523	20.3389	10.8487	
21651	1363	21.7166	13.4918	
75903	3647	18.5582	9.7266	
25837	78	20.4732	5.5934	
53570	53922	21.6531	13.3272	
33024	14769	11.5751	11.7588	
0	0	0.0000	0.0000	
169221	1957	20.4547	4.0014	
35294	982	19.4134	11.2818	
27904	7254	18.9434	12.5725	
13610	6678	17.7450	14.1492	
78010	3298	19.9872	10.8841	
8296	394	18.3942	13.5799	
1101	4142	37.9561	16.1154	
47020	18	25.5544	2.2496	
39644	1085	20.7451	10.7459	
45972	1233	19.7475	3.8652	
0	1332	0.0000	10.7431	
7801	1448	19.0735	11.5819	
20599	4495	20.2153	12.3161	
42674	8	21.0012	1.2640	
8701	69	22.2531	9.8899	
0	5437	0.0000	14.0862	
15951	1739	19.6678	14.8635	
11072	771	22.6427	14.8313	
30547	69	22.7792	3.4528	
60126	694	19.7979	3.0985	
12164	2355	19.0659	14.6251	
50614	0	22.1992	0.0000	
11345	0	20.9325	0.0084	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4017	89100	30621	22.5684	11.9149
4018	1914	590	26.2196	19.0474
4019	6156	7111	28.6327	13.8081
4020	102245	9046	18.4026	8.8769
4021	25283	8450	23.0896	13.2232
4022	24836	306	22.8901	5.2781
4023	1314	709	50.5303	15.4117
4024	103372	8102	16.4631	8.6380
4025	196260	7980	19.7345	7.5924
4026	6547	8771	18.8674	19.4047
4027	17972	3218	18.6234	11.5324
4028	612	632	26.6292	12.1564
4029	48122	3315	19.6015	13.9289
4030	1125	76	23.9305	10.8387
4031	1544	2031	24.9076	14.9332
4032	41312	20620	23.6747	11.5132
4033	25	0	3.5602	0.0000
4034	21129	191	20.0468	11.9611
4035	43	322	14.4086	14.0079
4036	4281	303	23.7827	14.4240
4037	20011	4936	19.4091	12.9559
4038	14123	18802	9.4597	11.4857
4039	0	1005	0.0000	12.5617
4040	33931	236	26.5294	3.6232
4041	17162	1828	25.3127	6.1751
4042	2198	393	16.0468	11.9212
4043	42050	1956	20.5320	12.5403
4044	1131	4111	80.7886	17.2000
4045	9998	4932	22.1687	13.2586
4046	2159	1602	134.9535	9.2584
4047	5798	645	22.5617	19.5534
4048	163	0	54.1835	0.0000
4049	81887	230	19.2359	3.5413
4050	16038	1796	18.9354	13.2035
4051	15196	104	22.8169	3.3538
4052	39141	2173	19.0098	14.8864
4053	44570	190	18.6406	2.9752
4054	133355	7201	22.1630	6.7810
4055	35896	1037	21.4559	15.2570

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
89097	30620	22.5676	11.9144	
1914	590	26.2184	19.0474	
6156	7111	28.6314	13.8080	
102238	9045	18.4013	8.8768	
25281	8450	23.0879	13.2231	
24836	306	22.8905	5.2781	
1314	709	50.5272	15.4121	
103365	8102	16.4620	8.6380	
196245	7979	19.7330	7.5922	
6546	8771	18.8647	19.4056	
17970	3218	18.6221	11.5323	
612	632	26.6255	12.1563	
48114	3315	19.5982	13.9288	
1125	76	23.9265	10.8386	
1544	2031	24.9051	14.9338	
41310	20621	23.6733	11.5139	
25	0	3.5599	0.0000	
21128	191	20.0458	11.9611	
43	322	14.4053	14.0081	
4280	303	23.7778	14.4237	
20009	4936	19.4078	12.9558	
14124	18802	9.4599	11.4857	
0	1005	0.0000	12.5608	
33928	236	26.5268	3.6232	
17161	1828	25.3109	6.1751	
2198	393	16.0461	11.9214	
42029	1956	20.5222	12.5403	
1131	4111	80.7871	17.2009	
9993	4932	22.1584	13.2586	
2159	1602	134.9528	9.2584	
5798	645	22.5597	19.5536	
163	0	54.1671	0.0000	
81880	230	19.2343	3.5413	
16033	1796	18.9292	13.2035	
15195	104	22.8148	3.3538	
39135	2174	19.0067	14.8870	
44567	190	18.6394	2.9764	
133345	7201	22.1613	6.7808	
35914	1038	21.4667	15.2574	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4056	544	861	36.2959	15.6573
4057	4453	329	24.8754	14.3098
4058	9830	4487	25.9371	19.8546
4059	56895	5203	19.0986	11.3851
4060	0	8041	0.0000	18.8323
4061	14573	31856	171.4449	14.0026
4062	134158	52353	17.0576	13.5034
4063	135705	925	28.6358	2.7274
4064	42320	1978	18.3047	8.2745
4065	98072	3054	21.0183	10.9085
4066	25578	623	22.8579	13.5410
4067	9563	0	20.3032	0.0000
4068	199521	345	20.9735	2.9212
4069	114396	246	23.9875	3.4219
4070	218	0	24.2403	0.0000
4071	1134	0	23.1512	0.0000
4072	0	77602	0.0000	17.7946
4073	69388	364	28.4143	2.8244
4074	34639	44170	61.2003	11.9315
4075	18921	416	23.8604	13.8600
4076	8758	14224	25.3115	13.6117
4077	9634	0	22.2498	0.0000
4078	67448	1144	20.0677	6.2501
4079	173731	10355	18.9250	7.8803
4080	10761	868	28.9269	9.4349
4081	38621	1946	22.7451	14.0002
4082	26682	2200	19.0585	10.8362
4083	14264	773	23.2306	13.1082
4084	2873	6200	33.4038	14.7971
4085	20476	2321	20.1928	12.2795
4086	7251	781	24.0900	15.0180
4087	66151	1098	19.7997	8.9986
4088	51058	5982	21.6257	12.1581
4089	451	2440	26.5553	18.4847
4090	12720	1935	32.2020	18.0818
4091	22498	2544	22.4755	11.4091
4092	69445	2884	23.2960	13.0512
4093	454305	1519	30.7025	2.9960
4094	3500	3671	27.5580	14.9855

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
544	861	36.2905	15.6573	
4450	329	24.8629	14.3097	
9829	4487	25.9342	19.8540	
56881	5203	19.0940	11.3850	
0	8042	0.0000	18.8331	
14573	31856	171.4431	14.0025	
134149	52360	17.0565	13.5053	
135696	925	28.6340	2.7274	
42317	1978	18.3032	8.2744	
98053	3054	21.0143	10.9084	
25574	623	22.8546	13.5410	
9561	0	20.2986	0.0000	
199503	345	20.9716	2.9211	
114387	246	23.9855	3.4218	
218	0	24.2599	0.0000	
1134	0	23.1446	0.0000	
0	77774	0.0000	17.8339	
69383	364	28.4125	2.8244	
34638	44173	61.1974	11.9321	
18918	416	23.8557	13.8603	
8757	14224	25.3084	13.6115	
9633	0	22.2481	0.0000	
67444	1144	20.0666	6.2500	
173723	10355	18.9240	7.8803	
10759	868	28.9232	9.4340	
38617	1946	22.7424	14.0005	
26680	2200	19.0570	10.8362	
14261	773	23.2270	13.1077	
2873	6200	33.4015	14.7973	
20473	2321	20.1906	12.2792	
7250	781	24.0875	15.0180	
66147	1098	19.7986	8.9983	
51052	5982	21.6230	12.1579	
451	2440	26.5403	18.4850	
12731	1935	32.2297	18.0824	
22496	2544	22.4731	11.4090	
69414	2884	23.2853	13.0511	
454272	1519	30.7003	2.9959	
3499	3671	27.5548	14.9854	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4095	34752	4671	21.5583	11.3642
4096	57240	91	29.0118	3.1444
4097	49268	4188	21.0278	8.8540
4098	582	132	52.9330	11.0394
4099	255	139	18.2161	17.3240
4100	43482	14732	21.6435	11.8516
4101	80987	714	29.3325	2.8889
4102	115539	2311	21.9197	6.0820
4103	1916	1676	30.8964	19.4877
4104	113450	70919	24.0309	12.2233
4105	32206	1489	42.3200	6.9270
4106	90163	999	18.0433	6.7968
4107	2073	698	53.1607	10.7425
4108	69720	6826	28.0904	17.0227
4109	4752	725	46.5847	9.1824
4110	116761	1254	21.0722	3.4822
4111	34315	62	19.1808	3.4618
4112	4969	1737	23.5474	13.3583
4113	2029	3326	78.0559	15.3970
4114	23524	1387	28.1056	17.5524
4115	20631	1821	19.9911	12.7338
4116	18381	1105	20.1991	12.5534
4117	24032	3290	23.7708	9.0896
4118	3673	16369	47.7049	15.3558
4119	11232	1685	19.1019	10.4028
4120	1124	333	26.7574	20.8242
4121	42805	1346	22.9148	13.5989
4122	42493	5061	17.8693	12.1670
4123	6083	35	25.0344	7.0435
4124	6213	8448	126.7939	13.4735
4125	3803	1368	66.7215	11.5911
4126	166424	3272	19.4466	8.1809
4127	24142	3284	22.9926	11.9402
4128	5730	10	41.5220	2.4288
4129	21747	170	59.2553	3.2044
4130	15911	2359	21.9160	11.4534
4131	3640	575	25.1024	11.9690
4132	1643	574	21.6128	14.7092
4133	3850	1195	22.2515	13.1291

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
34748	4671	21.5560	11.3641	
57237	91	29.0101	3.1443	
49261	4188	21.0246	8.8550	
582	132	52.9292	11.0393	
255	139	18.2165	17.3243	
43481	14731	21.6433	11.8513	
80982	714	29.3306	2.8887	
115546	2311	21.9211	6.0815	
1916	1676	30.8967	19.4875	
113445	70919	24.0299	12.2232	
32204	1489	42.3186	6.9269	
90157	999	18.0423	6.7963	
2073	698	53.1579	10.7425	
69715	6826	28.0883	17.0233	
4752	725	46.5835	9.1823	
116756	1253	21.0713	3.4819	
34311	62	19.1791	3.4617	
4968	1737	23.5447	13.3580	
2029	3326	78.0545	15.3970	
23522	1387	28.1026	17.5527	
20629	1821	19.9892	12.7337	
18380	1105	20.1973	12.5531	
24030	3290	23.7688	9.0895	
3673	16369	47.7028	15.3555	
11228	1685	19.0959	10.4026	
1124	333	26.7542	20.8243	
42823	1346	22.9243	13.5986	
42482	5061	17.8646	12.1669	
6082	35	25.0271	7.0433	
6213	8447	126.7924	13.4726	
3803	1368	66.7190	11.5909	
166408	3272	19.4447	8.1810	
24134	3283	22.9851	11.9400	
5730	10	41.5198	2.4288	
21746	170	59.2544	3.2044	
15908	2359	21.9120	11.4522	
3640	574	25.1036	11.9674	
1642	574	21.6116	14.7093	
3849	1195	22.2491	13.1288	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4134	96391	9511	21.7047	11.2819
4135	0	74	0.0000	12.4080
4136	2539	0	17.6336	0.0000
4137	4049	392	23.1377	12.6425
4138	6202	725	47.7054	10.9902
4139	0	32	0.0000	10.5882
4140	12456	26283	99.6470	17.7585
4141	118147	2714	25.4079	12.1694
4142	5111	304	23.7733	11.2652
4143	23532	203	26.0882	9.6814
4144	54166	32	26.1418	2.9533
4145	0	6	0.0000	5.5919
4146	2487	2715	35.0288	16.0622
4147	147993	11382	20.5632	10.4906
4148	1116	1272	34.8644	20.8560
4149	110559	8353	20.5844	11.4735
4150	15939	153	25.5427	5.2880
4151	12629	5339	26.4764	14.3139
4152	7719	912	33.5615	17.8916
4153	960	568	29.1003	17.7616
4154	298	257	21.3014	11.6713
4155	237590	1627	22.3825	10.0403
4156	0	1471	0.0000	11.5817
4157	6143	768	30.5625	14.2145
4158	23560	593	27.7506	9.4089
4159	626	273	31.2943	18.2151
4160	1288	22	42.9452	10.9795
4161	56521	1133	25.7971	12.0540
4162	15269	60	23.4905	7.5313
4163	14	0	7.2151	0.0000
4164	107	21	26.8246	10.6492
4165	25657	536	22.2718	10.5039
4166	675	574	13.5012	10.8315
4167	34920	2955	18.6737	9.4106
4168	3844	3091	26.8844	16.7999
4169	895	3523	30.8726	13.9256
4170	19924	12361	17.0142	10.1570
4171	2342	61	30.4199	8.7591
4172	1982	26878	82.5690	20.1182

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
96357	9510	21.6971	11.2815	
0	74	0.0000	12.4083	
2539	0	17.6289	0.0000	
4048	392	23.1307	12.6423	
6201	725	47.7036	10.9905	
0	32	0.0000	10.5881	
12456	26283	99.6461	17.7589	
118137	2714	25.4057	12.1697	
5111	304	23.7704	11.2658	
23530	203	26.0862	9.6810	
54160	32	26.1391	2.9532	
0	6	0.0000	5.5921	
2487	2715	35.0279	16.0623	
147987	11383	20.5623	10.4909	
1116	1272	34.8605	20.8563	
110559	8353	20.5843	11.4738	
15938	153	25.5418	5.2865	
12628	5339	26.4742	14.3134	
7719	912	33.5592	17.8915	
960	568	29.0978	17.7623	
298	257	21.2998	11.6708	
237574	1627	22.3809	10.0412	
0	1471	0.0000	11.5815	
6143	768	30.5618	14.2148	
23559	593	27.7494	9.4089	
626	273	31.2920	18.2157	
1288	22	42.9401	10.9799	
56515	1133	25.7944	12.0543	
15267	60	23.4884	7.5312	
14	0	7.2147	0.0000	
107	21	26.8181	10.6490	
25649	536	22.2645	10.5037	
675	574	13.4980	10.8319	
34917	2955	18.6721	9.4102	
3844	3091	26.8833	16.7965	
895	3523	30.8688	13.9245	
19917	12361	17.0087	10.1566	
2342	61	30.4168	8.7590	
1982	26879	82.5679	20.1188	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4173	41601	680	19.6880	9.7102
4174	24835	42194	17.8794	10.7363
4175	5511	5970	25.5127	12.5150
4176	752	575	23.4983	10.8459
4177	96918	1223	16.2478	9.1238
4178	0	27	0.0000	8.8905
4179	32858	1985	22.5981	11.5427
4180	10043	0	24.4954	0.0000
4181	36765	361	20.4932	10.9367
4182	22317	1354	29.2103	12.3085
4183	2545	453	25.4472	13.7225
4184	1226	1424	39.5540	12.4918
4185	4116	293	23.2529	12.2088
4186	40698	19053	14.8316	10.1132
4187	63340	6646	15.0024	8.7213
4188	24466	916	15.4847	8.7231
4189	17175	3005	17.7067	9.1907
4190	25479	23	19.0852	2.8703
4191	12796	974	20.4743	9.1068
4192	0	18	0.0000	8.7782
4193	35963	424	25.9847	14.6093
4194	8552	1567	20.0280	11.6040
4195	0	0	0.0000	0.0000
4196	11573	21997	13.6963	8.1409
4197	41296	9398	11.9456	7.5912
4198	8184	214	14.8258	7.9400
4199	9807	799	12.0178	7.3336
4200	23608	1011	17.6178	7.7761
4201	34063	1482	18.2646	8.2789
4202	35236	77	19.2548	4.5430
4203	21355	56	35.1240	4.3110
4204	9919	279	34.0875	4.6500
4205	132816	5177	21.6242	10.2112
4206	40476	1448	36.2684	12.1672
4207	6101	11	35.2648	1.8749
4208	67445	8305	13.2454	8.3637
4209	88688	851	22.0289	9.0484
4210	92398	53	20.3655	2.7636
4211	313	1061	26.1043	14.3404

	Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
41596	680	19.6858	9.7097		
24826	42193	17.8733	10.7360		
5513	5969	25.5226	12.5143		
752	575	23.4985	10.8454		
96885	1223	16.2423	9.1236		
0	27	0.0000	8.9055		
32856	1985	22.5972	11.5431		
10042	0	24.4939	0.0000		
36763	361	20.4921	10.9372		
22316	1354	29.2092	12.3088		
2544	453	25.4444	13.7220		
1226	1424	39.5592	12.4929		
4116	293	23.2527	12.2075		
40694	19052	14.8300	10.1128		
63331	6645	15.0001	8.7209		
24463	916	15.4827	8.7228		
17174	3005	17.7050	9.1902		
25479	23	19.0851	2.8734		
12796	974	20.4730	9.1042		
0	18	0.0000	8.7777		
35962	424	25.9840	14.6098		
8572	1567	20.0743	11.6045		
0	0	0.0000	0.0000		
11572	21996	13.6950	8.1405		
41293	9397	11.9448	7.5908		
8182	214	14.8233	7.9396		
9805	799	12.0164	7.3333		
23606	1011	17.6167	7.7757		
34061	1483	18.2635	8.2825		
35234	77	19.2537	4.5428		
21352	56	35.1183	4.3110		
9919	279	34.0876	4.6500		
132808	5177	21.6229	10.2114		
40476	1448	36.2692	12.1673		
6100	11	35.2630	1.8749		
67437	8305	13.2437	8.3634		
88678	850	22.0263	9.0478		
92386	53	20.3628	2.7635		
313	1061	26.1039	14.3410		

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4212	0	4184	0.0000	11.5906
4213	26398	7000	11.8481	7.3992
4214	4394	12774	13.6455	8.0645
4215	18042	21	10.0456	1.4666
4216	31530	3190	14.0070	7.1842
4217	26101	429	18.7774	7.5283
4218	29992	6	18.5823	0.9858
4219	32204	232	19.0108	6.8205
4220	10555	83	15.0567	10.3233
4221	7341	2071	39.4669	13.3635
4222	3062	2084	4.6390	13.7121
4223	25025	3227	32.1246	17.0721
4224	75586	7282	18.5806	9.8936
4225	85885	2933	19.4003	9.7450
4226	2794	3844	20.3978	10.8584
4227	9653	913	28.9022	11.7103
4228	4508	3300	24.7714	11.3030
4229	15726	10	16.4845	1.9847
4230	6506	284	20.7213	11.3751
4231	12241	9984	9.4310	7.7577
4232	47978	6383	11.0293	6.9152
4233	20042	5	14.4706	1.0310
4234	6754	71	21.9293	5.9392
4235	56745	148	31.0420	4.1155
4236	9471	0	17.4425	0.0000
4237	26586	962	15.1835	7.5142
4238	9384	589	16.6681	7.6558
4239	46	1389	4.5623	10.2881
4240	96854	139	18.9426	3.8499
4241	53865	1537	18.5997	7.3561
4242	17123	989	16.3695	8.9949
4243	3132	5830	21.0194	10.1562
4244	18051	1494	18.8616	10.3006
4245	7100	6115	17.1505	9.9268
4246	0	1187	0.0000	14.4754
4247	4562	816	19.7501	9.4892
4248	0	5509	0.0000	12.5211
4249	963	4192	68.8052	13.6545
4250	41370	1892	19.8703	8.0491

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
0	4184	0.0000	11.5903	
26395	7000	11.8471	7.3992	
4394	12774	13.6454	8.0646	
18041	21	10.0451	1.4666	
31526	3190	14.0052	7.1839	
26098	429	18.7756	7.5279	
29989	6	18.5805	0.9901	
32201	232	19.0091	6.8201	
10556	83	15.0580	10.3236	
7340	2071	39.4605	13.3632	
3061	2084	4.6386	13.7111	
25022	3227	32.1211	17.0722	
75564	7282	18.5751	9.8936	
85876	2933	19.3982	9.7450	
2794	3844	20.3966	10.8576	
9653	913	28.9001	11.7095	
4508	3301	24.7704	11.3036	
15731	10	16.4893	1.9860	
6506	284	20.7197	11.3740	
12241	9984	9.4308	7.7573	
47995	6382	11.0334	6.9149	
20034	5	14.4646	1.0309	
6756	71	21.9344	5.9373	
56742	148	31.0404	4.1150	
9470	0	17.4400	0.0000	
26584	962	15.1821	7.5138	
9383	589	16.6658	7.6554	
46	1389	4.5619	10.2884	
96874	139	18.9467	3.8497	
53877	1537	18.6041	7.3558	
17121	989	16.3676	8.9944	
3132	5830	21.0187	10.1567	
18052	1494	18.8633	10.3011	
7100	6115	17.1494	9.9272	
0	1187	0.0000	14.4724	
4562	816	19.7486	9.4887	
0	5509	0.0000	12.5207	
963	4192	68.8032	13.6535	
41381	1891	19.8756	8.0487	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4251	7130	5709	8.6318	8.7568
4252	58329	1177	17.5004	8.5888
4253	47708	476	21.1658	11.3253
4254	40675	674	18.3219	8.2202
4255	84010	23644	14.8139	7.7017
4256	10916	305	8.2197	6.7824
4257	59067	3162	22.4332	8.4547
4258	21915	2106	12.8010	7.4689
4259	48341	2493	12.6646	6.9631
4260	13723	207	15.9752	6.9144
4261	12636	1205	11.1033	6.9645
4262	10418	4146	8.8516	6.8755
4263	24861	6097	12.2951	7.3728
4264	2803	1374	15.6588	8.6931
4265	881	1798	21.4954	7.3975
4266	12627	482	13.5924	6.4213
4267	39597	4700	16.8714	8.3477
4268	13278	2276	16.8283	10.6855
4269	38516	10243	15.6189	8.6076
4270	1122	7056	14.9632	11.0071
4271	13027	1574	17.3230	7.9477
4272	116816	4296	18.3010	8.4567
4273	28759	2029	24.8784	10.8488
4274	15439	1198	16.5472	9.0794
4275	69140	4233	17.8704	7.1383
4276	65	46	13.0461	11.4231
4277	28133	8110	12.4425	7.6294
4278	16843	3334	12.2853	6.9752
4279	11121	5658	14.9683	7.4639
4280	17154	2966	21.6866	9.7246
4281	60829	687	16.3257	7.9841
4282	27208	697	10.3612	6.7647
4283	24871	5093	18.7847	8.5027
4284	11872	6138	11.0642	7.3775
4285	31530	13687	12.1456	7.5368
4286	4707	28481	10.9710	7.7457
4287	36749	12	24.1928	1.6698
4288	27101	4983	18.8856	7.7867
4289	24003	56	13.2687	3.0952

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
7130	5709	8.6319	8.7567	
58325	1177	17.4994	8.5888	
47707	476	21.1655	11.3261	
40667	674	18.3185	8.2200	
83983	23644	14.8093	7.7015	
10915	305	8.2189	6.7817	
59057	3162	22.4295	8.4542	
21913	2106	12.7998	7.4691	
48387	2493	12.6766	6.9627	
13721	207	15.9736	6.9141	
12631	1205	11.0995	6.9642	
10418	4146	8.8513	6.8750	
24858	6094	12.2937	7.3686	
2803	1373	15.6570	8.6926	
881	1798	21.4934	7.3972	
12626	482	13.5913	6.4210	
39595	4700	16.8704	8.3476	
13276	2276	16.8264	10.6845	
38512	10243	15.6174	8.6075	
1123	7056	14.9680	11.0076	
13023	1574	17.3185	7.9475	
116811	4296	18.3004	8.4566	
28759	2029	24.8776	10.8493	
15438	1199	16.5465	9.0797	
69134	4233	17.8688	7.1380	
65	46	13.0332	11.4214	
28131	8109	12.4416	7.6288	
16842	3334	12.2847	6.9748	
11120	5658	14.9659	7.4642	
17149	2966	21.6807	9.7245	
60825	687	16.3244	7.9840	
27217	697	10.3646	6.7644	
24868	5093	18.7826	8.5023	
11871	6137	11.0630	7.3765	
31526	13685	12.1441	7.5356	
4706	28480	10.9685	7.7454	
36745	12	24.1902	1.6710	
27099	4983	18.8844	7.7863	
23999	56	13.2667	3.0951	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4290	69845	1220	19.7582	7.3964
4291	15370	3750	35.0902	13.4423
4292	18774	5	12.8588	0.8369
4293	14634	640	16.2776	11.4234
4294	60172	1870	36.8249	10.8749
4295	11460	1625	13.4353	6.6884
4296	16007	1488	13.3396	6.7028
4297	25038	3610	13.7572	6.9291
4298	11647	1276	10.6269	6.7517
4299	42367	860	21.2367	8.4266
4300	121	0	20.1184	0.0000
4301	24825	132	16.5499	4.5599
4302	110012	11872	18.2654	9.4746
4303	115517	19	29.2968	3.1114
4304	6165	57	14.7136	5.1561
4305	0	7528	0.0000	8.9086
4306	72035	17862	15.7903	8.4412
4307	1455	2940	21.3951	7.8621
4308	22970	431	17.5880	6.6295
4309	18608	6419	16.6884	6.9167
4310	27552	991	18.8458	6.6079
4311	23078	2417	14.6806	6.2299
4312	89173	5	20.2482	2.7170
4313	6218	71	20.2556	6.4207
4314	9478	5441	11.2426	6.3636
4315	127836	635	17.8542	7.8369
4316	10965	2318	13.7059	6.3508
4317	50514	2396	17.8118	6.9040
4318	28835	17	13.5884	1.0445
4319	40410	3085	13.1628	5.9789
4320	24041	2448	11.6307	6.8387
4321	940	288	18.4394	10.2703
4322	21968	127	13.7906	3.3541
4323	18397	20	12.9193	1.5129
4324	29887	10901	12.6213	6.8817
4325	65397	761	20.4047	10.0067
4326	14621	229	14.9192	6.7404
4327	14431	958	16.7415	7.9143
4328	65035	550	21.3651	7.0557

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
69839	1220	19.7566	7.3960	
15368	3750	35.0868	13.4423	
18772	5	12.8575	0.8368	
14633	640	16.2772	11.4240	
60169	1870	36.8232	10.8746	
11455	1625	13.4285	6.6881	
16005	1488	13.3378	6.7026	
25030	3610	13.7526	6.9283	
11649	1276	10.6291	6.7515	
42363	859	21.2348	8.4265	
121	0	20.1024	0.0000	
24823	132	16.5485	4.5595	
110007	11873	18.2645	9.4754	
115514	19	29.2960	3.1115	
6164	57	14.7123	5.1558	
0	7528	0.0000	8.9090	
72020	17862	15.7869	8.4414	
1455	2939	21.3921	7.8595	
22968	431	17.5864	6.6291	
18606	6418	16.6871	6.9158	
27550	991	18.8441	6.6075	
23075	2417	14.6789	6.2295	
89169	5	20.2472	2.7170	
6218	71	20.2537	6.4204	
9477	5441	11.2420	6.3634	
127830	635	17.8534	7.8371	
10964	2318	13.7047	6.3505	
50509	2396	17.8101	6.9037	
28832	17	13.5872	1.0444	
40407	3085	13.1620	5.9785	
24038	2448	11.6293	6.8384	
941	288	18.4492	10.2698	
21966	127	13.7891	3.3539	
18395	20	12.9180	1.5128	
29883	10900	12.6197	6.8814	
65418	761	20.4111	10.0070	
14620	229	14.9179	6.7401	
14429	957	16.7386	7.9108	
65032	550	21.3638	7.0554	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4329	59675	1661	17.5927	8.1031
4330	17994	435	14.8342	6.4033
4331	20784	1623	15.9998	6.6250
4332	14849	573	16.6471	7.6413
4333	20819	942	23.9845	12.0782
4334	55985	710	15.9866	5.7241
4335	14589	1193	15.9266	7.5962
4336	45633	59	16.5697	3.9007
4337	741	0	23.1436	0.0000
4338	70125	9	18.1717	0.8659
4339	51037	2814	20.8570	7.5655
4340	166281	982	21.0936	9.3503
4341	53573	2729	15.4256	6.9431
4342	17721	15279	12.5773	9.3450
4343	31786	813	18.1532	9.2353
4344	18730	6074	16.9504	9.5654
4345	30961	45	15.9591	3.4325
4346	49311	3284	16.6199	6.5150
4347	7463	3864	12.3764	6.6859
4348	68698	754	38.7904	9.9217
4349	11301	1122	21.0842	9.8416
4350	0	0	0.0000	0.0000
4351	0	0	0.0000	0.0000
4352	5554	97	30.3515	9.7126
4353	32352	363	21.1172	7.4103
4354	0	0	0.0000	0.0000
4355	50406	443	18.8292	6.6130
4356	27524	282	19.3698	6.7043
4357	0	0	0.0000	0.0000
4358	28053	1053	16.4534	6.5430
4359	26903	2447	17.2452	6.5082
4360	55045	223	17.7107	4.8572
4361	324	52	10.4416	8.6434
4362	1153	7	26.8108	7.0234
4363	18549	0	29.3957	0.0000
4364	0	0	0.0000	0.0000
4365	0	457	0.0000	10.8855
4366	15434	1479	22.5641	8.6514
4367	40256	11427	12.2025	9.0688

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
59667	1661	17.5906	8.1029	
17993	435	14.8332	6.4030	
20783	1623	15.9991	6.6252	
14848	573	16.6456	7.6407	
20818	942	23.9839	12.0785	
55979	710	15.9848	5.7239	
14587	1193	15.9251	7.5959	
45628	59	16.5679	3.9000	
741	0	23.1421	0.0000	
70118	9	18.1699	0.8660	
51032	2814	20.8550	7.5654	
166276	982	21.0930	9.3495	
53567	2728	15.4239	6.9426	
17720	15280	12.5766	9.3453	
31783	813	18.1512	9.2356	
18736	6074	16.9556	9.5657	
30956	45	15.9569	3.4320	
49306	3283	16.6181	6.5146	
7462	3864	12.3755	6.6856	
68695	754	38.7887	9.9210	
11301	1122	21.0832	9.8413	
0	0	0.0000	0.0000	
0	0	0.0000	0.0000	
5554	97	30.3485	9.7122	
32349	363	21.1155	7.4100	
0	0	0.0000	0.0000	
50400	443	18.8272	6.6131	
27522	282	19.3681	6.7044	
0	0	0.0000	0.0000	
28049	1053	16.4509	6.5426	
26899	2447	17.2430	6.5081	
55040	223	17.7090	4.8571	
324	52	10.4410	8.6431	
1153	7	26.8097	7.0236	
18547	0	29.3932	0.0000	
0	0	0.0000	0.0000	
0	457	0.0000	10.8858	
15432	1479	22.5621	8.6509	
40254	11427	12.2019	9.0690	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4368	71878	314	16.3247	7.6603
4369	1579	3016	28.1922	10.6576
4370	1598	5	15.9753	4.9875
4371	3814	0	19.7642	0.0000
4372	28866	1341	17.1415	7.0553
4373	13913	174	26.5523	13.3937
4374	19823	242	16.7567	6.2157
4375	59850	195	88.4044	4.6521
4376	5326	113	30.2632	16.0968
4377	49127	846	29.0519	13.6468
4378	8012	345	19.9806	7.6776
4379	8363	0	29.4482	0.0000
4380	31039	1588	17.1014	7.9794
4381	40694	2299	21.8905	7.6123
4382	8043	120	12.2045	6.3352
4383	17743	9047	12.3902	9.1479
4384	23415	1134	27.3226	7.8241
4385	0	984	0.0000	10.0401
4386	4090	395	22.5977	8.9801
4387	36951	10	22.1264	1.4217
4388	1168	6	29.9428	5.5062
4389	43056	2820	30.2999	15.1594
4390	1955	9	34.2977	8.5386
4391	60574	439	20.0575	5.1012
4392	43225	203	19.9191	7.5205
4393	136	287	9.7426	8.2024
4394	0	0	0.0000	0.0000
4395	38207	234	39.5111	10.1703
4396	99052	1499	18.1381	10.7824
4397	45531	18293	12.6933	10.3935
4398	29759	322	12.4357	6.7175
4399	23539	12753	11.6415	9.1881
4400	15958	2193	19.9473	11.9825
4401	17067	1776	31.3162	21.1373
4402	645	0	25.7801	0.0000
4403	44432	802	18.6375	6.8579
4404	78737	1578	22.0367	7.5524
4405	55110	430	21.2042	8.4283
4406	57815	3063	37.1322	14.6531

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
71876	314	16.3243	7.6604	
1578	3016	28.1821	10.6573	
1597	5	15.9747	4.9876	
3814	0	19.7622	0.0000	
28861	1340	17.1385	7.0551	
13912	174	26.5493	13.3937	
19821	242	16.7547	6.2154	
59850	195	88.4040	4.6520	
5330	113	30.2825	16.0968	
49116	846	29.0453	13.6432	
8011	345	19.9779	7.6773	
8363	0	29.4456	0.0000	
31036	1588	17.0996	7.9791	
40690	2299	21.8884	7.6116	
8042	120	12.2041	6.3353	
17749	9048	12.3943	9.1482	
23412	1134	27.3191	7.8239	
0	984	0.0000	10.0410	
4090	395	22.5952	8.9796	
36947	10	22.1239	1.4216	
1168	6	29.9419	5.5063	
43047	2820	30.2934	15.1590	
1957	9	34.3341	8.5388	
60567	439	20.0554	5.1011	
43220	203	19.9169	7.5204	
136	287	9.7419	8.2020	
0	0	0.0000	0.0000	
38205	234	39.5083	10.1699	
99045	1499	18.1367	10.7824	
45527	18293	12.6921	10.3939	
29758	322	12.4352	6.7176	
23546	12753	11.6449	9.1883	
15959	2193	19.9483	11.9828	
17067	1776	31.3154	21.1377	
645	0	25.8018	0.0000	
44427	802	18.6354	6.8578	
78731	1578	22.0349	7.5520	
55104	430	21.2020	8.4282	
57810	3062	37.1290	14.6529	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4407	319	227	22.7557	11.3323
4408	20513	5529	9.5811	8.9758
4409	16785	270	9.0388	6.5949
4410	20711	754	21.4178	10.9204
4411	36736	195	12.7733	7.8091
4412	24090	3218	8.1523	10.9829
4413	31696	10659	9.8129	9.8153
4414	76	89	19.1249	11.0698
4415	26397	1082	12.5224	10.2087
4416	10214	3102	12.8000	11.7962
4417	23515	13638	8.6326	10.7559
4418	12203	379	27.0584	12.6304
4419	33184	7	27.0894	1.3936
4420	165	3279	41.1269	13.4370
4421	3380	25515	17.6953	14.7230
4422	107811	468	36.4225	8.3655
4423	0	301	0.0000	13.7021
4424	0	12717	0.0000	14.0516
4425	0	672	0.0000	19.2041
4426	6738	418	31.0527	23.2309
4427	38	80	9.5062	16.0939
4428	13226	33278	13.1862	19.0158
4429	334	2593	30.3184	27.2955
4430	1797	2160	39.9334	19.6332
4431	4349	29927	11.6281	16.8508
4432	8310	3711	26.2154	26.1355
4433	17206	3786	20.7296	18.5606
4434	31440	263	38.6716	11.4333
4435	0	46277	0.0000	18.4226
4436	62823	181	39.8879	6.7141
4437	25124	9756	12.0327	18.7971
4438	0	27119	0.0000	20.3752
4439	6146	2017	27.0731	28.4016
4440	0	6087	0.0000	24.4476
4441	38310	4015	19.2220	21.7008
4442	159650	31635	24.0400	13.0399
4443	0	20409	0.0000	25.3525
4444	57322	250	42.3980	8.3225
4445	0	0	0.0000	0.0000

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
319	227	22.7527	11.3318	
20513	5531	9.5809	8.9787	
16789	270	9.0411	6.5949	
20708	753	21.4149	10.9200	
36746	195	12.7768	7.8090	
24099	3218	8.1554	10.9832	
31693	10659	9.8122	9.8154	
77	89	19.1285	11.0700	
26397	1082	12.5225	10.2087	
10217	3102	12.8037	11.7956	
23515	13639	8.6327	10.7562	
12202	379	27.0562	12.6298	
33182	7	27.0875	1.3936	
165	3279	41.1260	13.4373	
3381	25516	17.7002	14.7235	
107805	468	36.4207	8.3654	
0	301	0.0000	13.7024	
0	12717	0.0000	14.0520	
0	672	0.0000	19.2047	
6740	418	31.0610	23.2314	
38	80	9.5056	16.0944	
13229	33278	13.1898	19.0162	
334	2593	30.3271	27.2961	
1797	2160	39.9315	19.6328	
4338	29925	11.5981	16.8495	
8310	3711	26.2145	26.1361	
17205	3786	20.7289	18.5602	
31438	263	38.6686	11.4331	
0	46277	0.0000	18.4225	
62817	181	39.8841	6.7138	
25124	9756	12.0324	18.7968	
0	27119	0.0000	20.3749	
6146	2017	27.0746	28.4026	
0	6088	0.0000	24.4482	
38309	4015	19.2218	21.7010	
159652	31636	24.0403	13.0404	
0	20409	0.0000	25.3528	
57318	250	42.3950	8.3208	
0	0	0.0000	0.0000	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4446	119476	4871	33.5606	10.8008
4447	600	0	46.1415	0.0000
4448	44896	5791	32.9392	11.3781
4449	3876	1869	39.5482	19.2713
4450	0	0	0.0000	0.0000
4451	60794	5173	25.4796	23.4064
4452	44395	656	39.7808	10.9366
4453	5600	871	31.4584	28.0943
4454	0	1281	0.0000	29.7881
4455	0	18586	0.0000	25.9582
4456	6730	6435	39.1277	24.0108
4457	0	190	0.0000	27.0722
4458	0	2698	0.0000	23.8762
4459	0	141	0.0000	20.0902
4460	0	0	0.0000	0.0000
4461	1933	236	62.3497	23.5523
4462	19748	4118	26.8681	18.0602
4463	48224	1458	22.6086	20.2534
4464	5510	0	25.2743	0.0000
4465	0	10638	0.0000	26.5284
4466	2117	0	34.7007	0.0000
4467	119547	2563	38.9025	10.6798
4468	0	0	0.0000	0.0000
4469	0	9	0.0000	9.2669
4470	5715	843	23.4237	17.9351
4471	0	129023	0.0000	25.8978
4472	0	0	0.0000	0.0000
4473	0	1633	0.0000	18.9881
4474	0	54	0.0000	18.1556
4475	18933	8	23.6663	2.7768
4476	0	3894	0.0000	15.8954
4477	0	85	0.0000	28.4255
4478	1282	4458	26.1720	16.5095
4479	0	2238	0.0000	18.1920
4480	8443	25383	17.3016	16.1059
4481	13095	401	24.1154	22.2665
4482	19783	945	43.7676	23.0487
4483	3900	182	25.3253	14.0333
4484	11973	11779	11.3162	15.6218

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
119472	4871	33.5596	10.8005	
600	0	46.1387	0.0000	
44895	5791	32.9381	11.3778	
3876	1869	39.5538	19.2715	
0	0	0.0000	0.0000	
60801	5173	25.4825	23.4067	
44394	656	39.7799	10.9363	
5600	871	31.4586	28.0946	
0	1281	0.0000	29.7888	
0	18586	0.0000	25.9583	
6730	6435	39.1269	24.0106	
0	190	0.0000	27.0723	
0	2698	0.0000	23.8764	
0	141	0.0000	20.0906	
0	0	0.0000	0.0000	
1933	236	62.3478	23.5520	
19748	4118	26.8677	18.0604	
48223	1458	22.6081	20.2535	
5510	0	25.2739	0.0000	
0	10638	0.0000	26.5290	
2117	0	34.7009	0.0000	
119544	2563	38.9013	10.6796	
0	0	0.0000	0.0000	
0	9	0.0000	9.2673	
5715	843	23.4233	17.9360	
0	129026	0.0000	25.8984	
0	0	0.0000	0.0000	
0	1633	0.0000	18.9881	
0	54	0.0000	18.1557	
18933	8	23.6659	2.7768	
0	3894	0.0000	15.8956	
0	85	0.0000	28.4260	
1282	4458	26.1728	16.5096	
0	2238	0.0000	18.1921	
8443	25389	17.3023	16.1097	
13095	401	24.1154	22.2669	
19782	945	43.7663	23.0481	
3900	182	25.3258	14.0334	
11973	11779	11.3162	15.6222	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4485	32234	10489	11.7215	16.5699
4486	15837	30095	13.3312	18.0645
4487	15057	24123	10.9428	16.1792
4488	3999	2575	43.0012	25.4995
4489	2587	968	22.1071	12.7376
4490	6124	62229	12.9752	15.8023
4491	12882	4581	15.8646	14.7288
4492	0	0	0.0000	0.0000
4493	16400	69122	8.0037	14.4668
4494	17315	53739	9.4259	14.2846
4495	22735	8778	10.1906	14.1807
4496	10218	2364	17.6482	18.3258
4497	18309	9057	10.6946	15.6428
4498	24057	12721	9.7951	14.8093
4499	26171	1482	11.3591	14.6746
4500	8724	3794	14.7614	13.5013
4501	18621	14312	8.5576	14.4419
4502	2915	4704	10.3386	20.7229
4503	17492	584	11.4255	14.9871
4504	177	488	9.8520	11.3601
4505	45332	1597	15.7788	8.6297
4506	15002	257	18.7289	8.5701
4507	5152	1164	20.9421	11.5272
4508	0	846	0.0000	17.6151
4509	14235	18266	7.4923	13.8482
4510	16213	4586	9.0780	13.9406
4511	20573	7724	10.6985	14.2256
4512	3142	54	16.4520	13.5072
4513	95075	1006	22.6046	10.6984
4514	12120	9114	10.1426	14.0007
4515	32997	43422	7.3786	13.5272
4516	13934	16067	12.4298	16.0827
4517	56636	4024	11.4139	14.5277
4518	5307	2	20.2556	2.3281
4519	20917	4059	9.2676	14.2417
4520	8336	3342	8.9823	14.1028
4521	76786	950	16.5024	7.3055
4522	26318	6638	31.9387	8.7454
4523	20788	2836	16.6571	7.5236

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
32233	10489	11.7212	16.5702	
15837	30096	13.3310	18.0648	
15057	24123	10.9426	16.1794	
3999	2575	42.9978	25.4987	
2587	968	22.1069	12.7378	
6124	62230	12.9751	15.8025	
12882	4581	15.8642	14.7290	
0	0	0.0000	0.0000	
16399	69123	8.0036	14.4670	
17315	53739	9.4258	14.2847	
22735	8778	10.1904	14.1808	
10221	2364	17.6530	18.3261	
18317	9057	10.6991	15.6430	
24056	12722	9.7949	14.8097	
26171	1482	11.3588	14.6737	
8724	3794	14.7620	13.5014	
18621	14312	8.5574	14.4421	
2916	4704	10.3413	20.7232	
17492	585	11.4254	14.9874	
177	488	9.8520	11.3602	
45332	1597	15.7786	8.6298	
15003	257	18.7299	8.5708	
5152	1164	20.9416	11.5283	
0	846	0.0000	17.6152	
14235	18266	7.4922	13.8485	
16213	4587	9.0778	13.9407	
20573	7725	10.6983	14.2257	
3142	54	16.4516	13.5059	
95073	1006	22.6040	10.6993	
12120	9115	10.1426	14.0008	
32997	43423	7.3785	13.5275	
13934	16067	12.4295	16.0830	
56635	4024	11.4137	14.5278	
5307	2	20.2551	2.3282	
20917	4059	9.2674	14.2419	
8336	3342	8.9823	14.1032	
76784	950	16.5021	7.3056	
26317	6638	31.9378	8.7455	
20788	2837	16.6569	7.5243	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4524	429	118	22.5862	10.7652
4525	306	26	20.4031	13.1024
4526	675	3698	15.0015	14.7938
4527	8507	1747	19.4221	11.0586
4528	0	1990	0.0000	17.9300
4529	28630	1641	12.9722	10.1925
4530	128385	276	19.0172	6.4107
4531	0	13757	0.0000	15.5970
4532	3947	131	10.0690	11.8987
4533	630	1156	19.6989	14.6303
4534	39949	4296	15.9667	6.8306
4535	23879	2389	15.5260	7.4429
4536	86714	4634	14.7098	6.7358
4537	2778	3979	10.1757	14.9585
4538	6787	15777	9.3097	15.0114
4539	1935	17206	17.1202	13.9209
4540	3846	3649	12.3282	14.6538
4541	4441	18576	18.1277	14.3003
4542	26281	14878	8.5189	12.7926
4543	0	9	0.0000	8.5380
4544	0	4522	0.0000	13.8278
4545	6186	67599	26.8957	30.1780
4546	37080	4946	16.7406	8.1615
4547	27743	765	20.7036	7.8016
4548	66052	2065	15.3538	6.9528
4549	29995	135	9.9026	6.7332
4550	40970	3044	16.4539	6.8555
4551	19039	4952	10.0844	13.8706
4552	2039	199	18.3707	9.9488
4553	0	392	0.0000	11.8866
4554	57389	4079	15.8971	6.7316
4555	16	14425	2.3162	12.9371
4556	0	24741	0.0000	12.8327
4557	28016	16419	8.9508	13.3817
4558	3614	40	17.8895	9.9001
4559	2686	49939	167.9006	15.4513
4560	61893	4986	12.5340	13.0182
4561	0	845	0.0000	13.6330
4562	13769	5515	12.7134	13.3213

	Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
429	118	22.5861	10.7650		
306	26	20.3974	13.1044		
675	3698	15.0045	14.7927		
8507	1747	19.4219	11.0587		
0	1990	0.0000	17.9301		
28629	1641	12.9719	10.1926		
128382	276	19.0168	6.4113		
0	13757	0.0000	15.5974		
3947	131	10.0684	11.8988		
630	1156	19.6977	14.6311		
39963	4297	15.9726	6.8311		
23879	2389	15.5257	7.4434		
86715	4634	14.7098	6.7359		
2778	3979	10.1760	14.9584		
6787	15777	9.3097	15.0118		
1935	17207	17.1201	13.9212		
3846	3649	12.3280	14.6539		
4441	18576	18.1276	14.3005		
26280	14878	8.5187	12.7928		
0	9	0.0000	8.5380		
0	4522	0.0000	13.8279		
6188	67600	26.9055	30.1785		
37080	4946	16.7403	8.1616		
27742	765	20.7031	7.8023		
66051	2065	15.3535	6.9529		
29995	135	9.9026	6.7333		
40970	3044	16.4536	6.8561		
19039	4952	10.0843	13.8707		
2039	199	18.3705	9.9488		
0	392	0.0000	11.8867		
57388	4080	15.8970	6.7328		
16	14426	2.3161	12.9378		
0	24742	0.0000	12.8329		
28016	16420	8.9507	13.3820		
3614	40	17.8893	9.9012		
2686	49946	167.9007	15.4535		
61892	4986	12.5339	13.0182		
0	845	0.0000	13.6330		
13768	5515	12.7132	13.3213		

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4563	93995	714	14.4786	6.5487
4564	41390	1876	16.3663	7.0522
4565	0	0	0.0000	0.0000
4566	26537	929	16.9999	7.9394
4567	23998	3521	20.9225	8.8246
4568	2762	6131	11.5555	13.5953
4569	14142	10463	9.2133	13.9506
4570	31225	159	17.4927	7.9525
4571	4619	157	17.9046	9.2147
4572	19405	1317	17.7379	7.3977
4573	5747	4788	10.6031	13.0115
4574	60252	5157	31.2995	21.3967
4575	60661	8291	9.5154	11.9291
4576	22604	794	11.3533	15.8822
4577	0	3293	0.0000	14.7022
4578	47606	2992	9.8830	11.5514
4579	44242	4687	7.4395	10.9254
4580	8283	1810	9.8848	13.2140
4581	10700	3593	8.5326	14.0333
4582	368	7327	28.3054	14.3107
4583	21196	2109	12.5720	13.3454
4584	85454	1438	18.3693	8.5084
4585	2161	60	16.7525	8.5399
4586	95	0	94.9049	0.0000
4587	0	0	0.0000	0.0000
4588	1984	157	15.1478	10.4350
4589	0	12749	0.0000	13.5335
4590	830	18116	24.4002	13.7246
4591	0	1998	0.0000	15.3686
4592	1663	63	25.5876	9.0084
4593	0	394	0.0000	11.2621
4594	12029	2964	8.5862	14.1121
4595	7461	4442	11.2028	13.2201
4596	25802	17668	7.0364	11.8979
4597	2321	15360	10.8964	14.3147
4598	37975	6768	10.4127	12.1735
4599	59748	16465	7.5439	10.9768
4600	14397	15036	8.7202	12.5093
4601	9979	550	23.3144	9.6439

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
94000	714	14.4793	6.5488	
41390	1876	16.3662	7.0523	
0	0	0.0000	0.0000	
26536	929	16.9996	7.9395	
23998	3521	20.9223	8.8253	
2762	6132	11.5553	13.5954	
14142	10463	9.2132	13.9508	
31224	159	17.4925	7.9526	
4620	157	17.9053	9.2148	
19405	1317	17.7378	7.3978	
5747	4788	10.6030	13.0116	
60248	5156	31.2976	21.3962	
60670	8291	9.5168	11.9293	
22604	794	11.3531	15.8824	
0	3293	0.0000	14.7022	
47606	2992	9.8829	11.5515	
44242	4687	7.4394	10.9257	
8283	1810	9.8847	13.2141	
10700	3593	8.5329	14.0334	
368	7327	28.3054	14.3107	
21196	2109	12.5719	13.3454	
85453	1438	18.3691	8.5085	
2161	60	16.7522	8.5400	
95	0	94.9194	0.0000	
0	0	0.0000	0.0000	
1984	157	15.1476	10.4362	
0	12749	0.0000	13.5341	
830	18117	24.4002	13.7250	
0	1998	0.0000	15.3687	
1663	63	25.5872	9.0086	
0	394	0.0000	11.2631	
12029	2964	8.5861	14.1121	
7461	4442	11.2030	13.2205	
25803	17669	7.0366	11.8981	
2321	15360	10.8967	14.3149	
37975	6768	10.4126	12.1735	
59747	16466	7.5439	10.9771	
14397	15036	8.7201	12.5093	
9978	550	23.3141	9.6440	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4602	2466	351	27.3972	13.0081
4603	33335	15476	8.6427	12.6961
4604	2309	4894	11.2086	13.7863
4605	645	6694	18.4154	14.0638
4606	13602	33615	12.2206	17.9377
4607	4432	2872	11.4215	12.9362
4608	0	1219	0.0000	14.0138
4609	62926	8421	9.7772	12.4946
4610	12595	18605	12.9849	12.7434
4611	36392	2056	16.4522	10.4351
4612	27951	10930	10.0112	13.5776
4613	0	212	0.0000	12.4713
4614	20436	2925	9.1722	13.3577
4615	57056	1435	21.0771	10.0340
4616	14011	23689	9.8389	15.4828
4617	6739	2181	11.3643	13.9777
4618	9983	1184	13.1697	20.7723
4619	0	1685	0.0000	14.4004
4620	14015	3627	11.7677	14.2794
4621	12267	5697	10.5838	14.4218
4622	0	498	0.0000	13.8428
4623	28639	2569	10.4102	14.4310
4624	92307	1215	19.9195	10.5670
4625	812	1936	13.5316	15.0102
4626	5562	1495	10.1679	15.7318
4627	1751	8915	13.5773	18.6513
4628	971	1983	24.2680	16.3853
4629	3965	2142	12.7890	15.1885
4630	0	1407	0.0000	14.9655
4631	15776	10865	8.9994	15.5877
4632	13170	2202	10.0079	15.3957
4633	8555	32452	8.0025	16.4813
4634	10139	372	30.7236	24.8292
4635	0	802	0.0000	14.8437
4636	4169	0	9.1421	0.0000
4637	0	2539	0.0000	15.3852
4638	5972	12556	12.5464	15.6749
4639	19161	21527	10.2849	15.6787
4640	0	1448	0.0000	14.6246

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
2466	351	27.3968	13.0082	
33335	15477	8.6427	12.6964	
2309	4894	11.2085	13.7866	
645	6694	18.4156	14.0639	
13601	33616	12.2205	17.9378	
4431	2872	11.4213	12.9362	
0	1219	0.0000	14.0144	
62926	8422	9.7771	12.4949	
12596	18606	12.9860	12.7437	
36394	2056	16.4530	10.4351	
27951	10930	10.0111	13.5778	
0	212	0.0000	12.4717	
20435	2925	9.1721	13.3578	
57058	1435	21.0779	10.0341	
14010	23689	9.8388	15.4828	
6739	2181	11.3642	13.9781	
9983	1184	13.1699	20.7718	
0	1685	0.0000	14.4009	
14015	3627	11.7676	14.2794	
12266	5697	10.5836	14.4218	
0	498	0.0000	13.8432	
28638	2569	10.4101	14.4307	
92311	1215	19.9205	10.5670	
812	1936	13.5315	15.0106	
5562	1495	10.1678	15.7318	
1753	8916	13.5866	18.6522	
971	1983	24.2674	16.3859	
3965	2142	12.7895	15.1886	
0	1407	0.0000	14.9660	
15776	10865	8.9993	15.5877	
13170	2202	10.0077	15.3958	
8556	32453	8.0039	16.4820	
10138	372	30.7221	24.8289	
0	802	0.0000	14.8442	
4169	0	9.1426	0.0000	
0	2539	0.0000	15.3853	
5972	12556	12.5461	15.6750	
19161	21527	10.2849	15.6787	
0	1448	0.0000	14.6251	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4641	3154	30647	8.0462	16.1472
4642	14320	17669	31.8214	28.8241
4643	16565	77531	10.8840	17.2444
4644	7176	47229	12.4806	15.9235
4645	0	37640	0.0000	15.4578
4646	6560	42767	8.5980	16.2860
4647	371	578	13.7267	20.6360
4648	6955	17405	10.6515	15.4029
4649	12609	15814	9.0322	14.9326
4650	3217	373	7.0859	14.9226
4651	748	305	6.3390	16.0579
4652	14506	41891	8.0056	16.6301
4653	2722	2021	14.6367	17.8820
4654	42793	33152	7.5287	15.9460
4655	5457	69248	19.9882	14.7147
4656	15110	9459	7.3527	15.1109
4657	2814	1045	6.8629	16.0777
4658	417	11581	32.0852	14.9426
4659	4474	224	15.8080	13.1643
4660	0	36667	0.0000	15.3870
4661	8030	35077	12.0566	15.5550
4662	25783	6347	8.3144	15.5174
4663	14721	2004	8.4262	15.4185
4664	31267	3415	8.4459	14.6579
4665	15333	68210	7.3927	15.1611
4666	26329	47831	5.9581	13.8081
4667	5459	1115	11.8153	15.9215
4668	13429	27335	6.7348	14.4018
4669	4483	129	10.6997	12.9487
4670	60096	19338	16.2289	16.5568
4671	33688	17952	7.0375	14.3156
4672	53930	137342	16.7588	15.1994
4673	25073	6282	8.2207	16.3168
4674	55664	2510	10.2815	14.7659
4675	7727	70	36.2753	14.0813
4676	5132	53512	19.1479	15.4928
4677	16648	22008	7.2858	14.3375
4678	17351	32051	6.7226	14.0020
4679	15451	29339	7.1202	13.4584

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
3154	30649	8.0463	16.1480	
14319	17669	31.8201	28.8235	
16565	77529	10.8839	17.2439	
7176	47229	12.4805	15.9236	
0	37640	0.0000	15.4579	
6560	42769	8.5978	16.2867	
371	578	13.7265	20.6355	
6955	17405	10.6514	15.4029	
12609	15814	9.0322	14.9326	
3217	373	7.0858	14.9230	
748	305	6.3390	16.0582	
14506	41890	8.0053	16.6296	
2722	2021	14.6366	17.8825	
42797	33152	7.5293	15.9461	
5457	69248	19.9882	14.7148	
15110	9460	7.3526	15.1113	
2814	1045	6.8629	16.0777	
417	11581	32.0853	14.9427	
4474	224	15.8088	13.1644	
0	36667	0.0000	15.3870	
8030	35077	12.0566	15.5551	
25782	6347	8.3142	15.5173	
14720	2004	8.4260	15.4185	
31267	3415	8.4459	14.6579	
15332	68207	7.3925	15.1605	
26328	47831	5.9580	13.8081	
5459	1115	11.8152	15.9215	
13429	27335	6.7348	14.4022	
4483	129	10.7002	12.9487	
60097	19338	16.2294	16.5569	
33688	17952	7.0375	14.3160	
53930	137345	16.7587	15.1998	
25073	6282	8.2208	16.3169	
55665	2510	10.2817	14.7660	
7727	70	36.2770	14.0814	
5132	53512	19.1478	15.4929	
16648	22009	7.2858	14.3379	
17347	32049	6.7210	14.0012	
15451	29339	7.1201	13.4584	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4680	6590	59390	8.1966	14.9785
4681	23992	75389	6.9300	14.1204
4682	9778	45906	46.7856	14.9725
4683	8321	346	7.8201	13.8342
4684	0	57368	0.0000	13.9957
4685	0	51	0.0000	16.9350
4686	72740	601	22.7028	17.6847
4687	10686	1842	8.6877	13.5432
4688	5883	4791	8.5881	13.3445
4689	11833	3968	9.2373	14.4277
4690	21926	4715	8.0999	13.4708
4691	25957	759	26.1137	11.6758
4692	21362	10358	12.6329	17.0081
4693	4134	2506	10.4647	13.2586
4694	41062	7135	14.9423	15.5786
4695	1529	20206	18.2042	13.2237
4696	22988	7283	9.4214	12.8000
4697	23667	73666	10.7530	13.9230
4698	0	0	0.0000	0.0000
4699	15980	14937	9.6264	13.0342
4700	30297	895	9.6334	12.0908
4701	7079	17270	14.7175	13.1030
4702	67725	733	14.5239	10.7821
4703	33943	3957	10.2207	11.8485
4704	78734	439	12.0813	8.7867
4705	20502	12954	11.6558	11.9616
4706	0	1019	0.0000	19.5982
4707	23844	16903	10.0270	11.7139
4708	39289	22042	10.9107	10.9715
4709	3167	27792	16.0763	11.6234
4710	3451	4360	12.6873	11.8801
4711	21497	25877	10.8243	11.4246
4712	0	952	0.0000	12.5282
4713	7201	11542	20.0029	15.8762
4714	27938	2852	9.4415	11.2299
4715	39287	8778	10.2496	12.1586
4716	36464	10697	10.5480	12.3950
4717	58764	1604	13.2113	12.8290
4718	0	201	0.0000	16.7564

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
6590	59390	8.1966	14.9786	
23991	75391	6.9298	14.1208	
9778	45906	46.7856	14.9726	
8321	346	7.8203	13.8347	
0	57370	0.0000	13.9961	
0	51	0.0000	16.9355	
72739	601	22.7027	17.6847	
10687	1842	8.6888	13.5433	
5883	4791	8.5878	13.3446	
11832	3968	9.2369	14.4278	
21925	4715	8.0994	13.4713	
25958	759	26.1147	11.6758	
21362	10358	12.6325	17.0081	
4133	2506	10.4641	13.2590	
41061	7135	14.9422	15.5787	
1529	20206	18.2048	13.2238	
22989	7283	9.4219	12.8005	
23667	73667	10.7526	13.9230	
0	0	0.0000	0.0000	
15981	14935	9.6272	13.0326	
30296	895	9.6329	12.0912	
7079	17270	14.7172	13.1031	
67725	733	14.5239	10.7824	
33942	3958	10.2203	11.8488	
78734	439	12.0813	8.7870	
20505	12955	11.6571	11.9620	
0	1019	0.0000	19.5983	
23843	16904	10.0266	11.7143	
39289	22042	10.9107	10.9718	
3167	27792	16.0761	11.6234	
3451	4360	12.6869	11.8801	
21497	25877	10.8243	11.4249	
0	952	0.0000	12.5318	
7202	11542	20.0058	15.8765	
27937	2852	9.4413	11.2299	
39286	8779	10.2495	12.1586	
36464	10697	10.5479	12.3950	
58763	1604	13.2112	12.8290	
0	201	0.0000	16.7564	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4719	44533	763	15.6751	14.4020
4720	0	1843	0.0000	11.8874
4721	49060	4542	8.2026	9.2313
4722	47806	68492	10.1692	10.2949
4723	66294	9509	9.8975	9.9573
4724	24925	16984	11.6309	10.9364
4725	35732	43744	7.7309	9.5302
4726	24135	6999	10.1749	11.9433
4727	9782	275	10.8446	8.3204
4728	60204	45616	11.2678	11.6665
4729	13466	3652	19.4041	13.1355
4730	65103	2140	13.0336	12.1599
4731	0	2091	0.0000	16.7278
4732	24704	3224	10.1455	9.8596
4733	6	3176	2.9574	9.8954
4734	17132	2906	10.3896	9.1687
4735	2599	1201	8.6069	11.8930
4736	11083	2303	15.0992	11.0720
4737	10553	2212	19.2924	12.1511
4738	27703	8551	16.4608	13.0754
4739	72484	6474	9.1728	8.7139
4740	38365	3439	8.8501	8.4488
4741	41243	4111	9.6497	8.8981
4742	96	1208	31.8874	15.1039
4743	11329	25920	20.3754	17.1086
4744	30488	3115	9.2780	8.9762
4745	26818	665	8.7470	8.6412
4746	15884	614	7.7443	7.3956
4747	9283	1126	21.3405	13.2510
4748	4324	1406	23.6279	11.8189
4749	0	417	0.0000	10.4238
4750	36760	6748	11.2831	10.0868
4751	5786	504	15.0688	10.4955
4752	26938	13088	8.0848	8.4493
4753	7889	659	17.4158	11.1615
4754	4404	1441	18.2742	13.9868
4755	6048	1822	12.8965	11.8313
4756	40588	998	10.4420	8.3155
4757	34010	18388	8.8986	8.0299

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
44533	763	15.6750	14.4021	
0	1843	0.0000	11.8874	
49091	4542	8.2079	9.2314	
47804	68492	10.1689	10.2950	
66293	9509	9.8975	9.9573	
24925	16985	11.6310	10.9370	
35731	43745	7.7306	9.5306	
24134	6999	10.1744	11.9433	
9782	275	10.8443	8.3204	
60203	45616	11.2676	11.6665	
13457	3652	19.3900	13.1353	
65101	2140	13.0333	12.1599	
0	2091	0.0000	16.7275	
24708	3224	10.1470	9.8596	
6	3176	2.9573	9.8955	
17132	2904	10.3896	9.1608	
2599	1201	8.6069	11.8929	
11083	2303	15.0993	11.0721	
10553	2212	19.2928	12.1515	
27702	8551	16.4601	13.0748	
72477	6474	9.1720	8.7139	
38365	3439	8.8500	8.4487	
41243	4111	9.6497	8.8980	
96	1208	31.8823	15.1040	
11329	25920	20.3754	17.1086	
30487	3115	9.2778	8.9763	
26818	665	8.7469	8.6413	
15884	614	7.7444	7.3958	
9276	1126	21.3248	13.2507	
4324	1406	23.6278	11.8189	
0	417	0.0000	10.4253	
36760	6748	11.2829	10.0868	
5786	504	15.0687	10.4953	
26938	13088	8.0848	8.4494	
7884	659	17.4042	11.1614	
4404	1441	18.2744	13.9868	
6048	1822	12.8965	11.8311	
40588	998	10.4420	8.3155	
34010	18388	8.8985	8.0299	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4758	25903	943	20.0956	14.5084
4759	15091	3336	6.4325	8.4670
4760	22316	33441	16.9320	16.3764
4761	39829	3969	9.1163	7.8280
4762	0	5410	0.0000	9.8357
4763	3071	2105	6.6326	8.7344
4764	2931	1326	14.7305	12.0548
4765	13474	5719	6.1439	8.6647
4766	27294	9888	9.1316	8.2130
4767	22127	13998	7.2956	8.2295
4768	5117	16	13.9806	8.0470
4769	2073	912	15.8228	9.3103
4770	32550	2927	7.0699	9.1169
4771	60833	2558	11.3516	7.7293
4772	32956	16323	8.0166	7.8629
4773	3826	576	13.1478	9.4450
4774	6098	87	14.9825	9.6438
4775	4419	296	15.7253	14.1123
4776	5047	554	15.4354	12.0519
4777	672	893	6.7224	14.4061
4778	3939	4830	9.3337	8.8615
4779	101449	12408	12.6118	9.8553
4780	6677	17000	8.9620	8.3619
4781	36556	8397	8.1963	7.9367
4782	4886	2751	7.5288	8.5706
4783	15406	497	12.7532	8.4165
4784	22292	139	8.9925	7.2930
4785	16998	6582	6.5681	8.3959
4786	2847	434	14.6013	10.0954
4787	102687	3435	9.9638	7.2623
4788	25324	6271	11.4951	11.4640
4789	22348	1194	27.6927	19.8919
4790	1217	728	12.6809	14.0022
4791	1100	874	18.9616	15.3415
4792	1567	342	11.5230	10.0493
4793	809	41	19.7200	13.6422
4794	1510	396	18.6374	12.3698
4795	60124	7102	12.4997	9.7024
4796	1759	2454	3.1978	8.7341

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
25903	943	20.0956	14.5083	
15091	3336	6.4325	8.4671	
22316	33441	16.9319	16.3764	
39829	3969	9.1162	7.8281	
0	5410	0.0000	9.8372	
3071	2105	6.6326	8.7344	
2929	1326	14.7200	12.0544	
13474	5719	6.1439	8.6648	
27294	9888	9.1316	8.2130	
22138	13999	7.2989	8.2298	
5117	16	13.9818	8.0469	
2073	912	15.8227	9.3102	
32550	2927	7.0699	9.1173	
60832	2558	11.3514	7.7293	
32956	16326	8.0166	7.8641	
3826	576	13.1478	9.4449	
6098	87	14.9824	9.6430	
4419	296	15.7271	14.1120	
5048	554	15.4373	12.0523	
672	893	6.7230	14.4057	
3939	4830	9.3337	8.8619	
101449	12408	12.6117	9.8553	
6677	17000	8.9620	8.3619	
36556	8397	8.1963	7.9367	
4886	2751	7.5288	8.5686	
15406	497	12.7531	8.4164	
22292	139	8.9924	7.2930	
16998	6582	6.5681	8.3959	
2847	434	14.6011	10.0952	
102686	3435	9.9637	7.2622	
25323	6270	11.4949	11.4623	
22352	1194	27.6977	19.8929	
1217	728	12.6817	14.0022	
1100	874	18.9626	15.3414	
1567	342	11.5238	10.0496	
809	41	19.7214	13.6424	
1509	396	18.6342	12.3697	
60123	7102	12.4997	9.7023	
1759	2454	3.1978	8.7341	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4797	107	1713	26.6616	8.5659
4798	32500	1358	13.0418	7.1858
4799	2263	275	13.3107	8.5858
4800	0	4261	0.0000	8.3062
4801	41774	3707	8.7048	7.8372
4802	1150	608	30.2636	14.8326
4803	73824	10107	9.3425	7.8530
4804	61584	2676	11.1142	7.3933
4805	36980	5252	14.0021	10.6093
4806	136650	6042	12.3699	8.6321
4807	1046	2896	17.1531	10.7257
4808	66510	4213	9.8767	7.6741
4809	1221	22057	50.8607	9.6193
4810	0	11807	0.0000	10.4582
4811	15935	1504	14.9487	13.5461
4812	2485	159	13.8070	11.3512
4813	1788	490	18.0623	12.2616
4814	3953	77	17.6451	9.6656
4815	1468	281	21.2712	15.5893
4816	0	25268	0.0000	13.5705
4817	10618	1331	10.6397	7.6949
4818	5979	650	8.4567	7.5565
4819	134	478	4.3324	10.1610
4820	19069	1780	9.4729	7.6395
4821	29620	4511	13.4209	9.4376
4822	13385	16080	6.9245	7.9682
4823	141	796	15.6434	11.5343
4824	11070	4	17.9123	3.9350
4825	12343	1963	7.7680	6.6547
4826	16732	2984	11.8414	10.0148
4827	5824	539	20.6511	13.4852
4828	50835	2436	10.6393	8.5791
4829	5285	5216	16.7770	16.8251
4830	43779	6655	13.8760	9.8452
4831	34100	11201	10.5051	9.6067
4832	68004	9999	15.1020	11.1471
4833	79461	2410	11.0886	8.2808
4834	0	24493	0.0000	12.3021
4835	57279	3223	13.9842	14.0751

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
107	1713	26.6630	8.5659	
32500	1358	13.0416	7.1858	
2263	275	13.3105	8.5856	
0	4261	0.0000	8.3063	
41774	3707	8.7047	7.8372	
1150	608	30.2632	14.8327	
73824	10107	9.3424	7.8531	
61583	2676	11.1141	7.3933	
36984	5252	14.0037	10.6091	
136647	6042	12.3696	8.6319	
1046	2896	17.1529	10.7255	
66509	4213	9.8767	7.6741	
1221	22057	50.8608	9.6194	
0	11808	0.0000	10.4589	
15936	1504	14.9495	13.5463	
2485	159	13.8079	11.3512	
1788	490	18.0636	12.2615	
3953	77	17.6463	9.6658	
1468	281	21.2725	15.5899	
0	25268	0.0000	13.5705	
10618	1331	10.6395	7.6950	
5979	650	8.4568	7.5564	
134	478	4.3329	10.1611	
19069	1780	9.4728	7.6395	
29620	4511	13.4208	9.4376	
13385	16080	6.9246	7.9682	
141	796	15.6445	11.5344	
11070	4	17.9132	3.9350	
12344	1963	7.7682	6.6548	
16732	2984	11.8414	10.0147	
5824	539	20.6522	13.4854	
50834	2436	10.6391	8.5791	
5285	5216	16.7766	16.8258	
43779	6655	13.8760	9.8452	
34099	11197	10.5050	9.6029	
68004	9999	15.1020	11.1472	
79460	2410	11.0885	8.2809	
0	24494	0.0000	12.3024	
57291	3224	13.9870	14.0770	

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4836	83040	2368	13.3099	8.4860
4837	2967	4980	18.5423	14.1481
4838	1477	3320	10.7054	10.9215
4839	906	1117	15.6245	13.9641
4840	0	28360	0.0000	10.6335
4841	7578	489	15.0363	10.6412
4842	51251	1722	14.3680	9.2112
4843	0	16	0.0000	8.1370
4844	0	4473	0.0000	11.9610
4845	0	30	0.0000	15.1086
4846	948	643	25.6218	15.3147
4847	27611	6086	11.4003	13.9277
4848	1758	0	16.7444	0.0000
4849	82	0	20.4355	0.0000
4850	0	429	0.0000	12.2631
4851	7146	1210	16.5024	13.7445
4852	1178	55	13.7000	9.2018
4853	0	267	0.0000	13.3697
4854	183728	1149	16.0405	8.9764
4855	8085	3289	11.0450	12.8469
4856	19147	3983	14.6161	13.1439
4857	2308	963	19.8957	13.1970
4858	1697	822	12.2113	15.2153
4859	3548	548	35.8361	12.4608
4860	26578	2788	12.4314	12.7302
4861	0	0	0.0000	0.0000
4862	735	0	11.8535	0.0000
4863	16162	2287	11.8926	13.1414
4864	36713	416	18.2835	11.8964
4865	1284	53	13.1049	10.5785
4866	2354	1119	14.6203	13.4856
4867	3255	573	17.6914	14.3276
4868	6455	1605	14.0950	12.9449
4869	513	216	19.7384	11.9795
4870	0	982	0.0000	11.5567
4871	1595	25	12.2698	12.4558
4872	4658	1839	13.7400	13.0413
4873	203	27	20.3103	13.4282
4874	1467	768	13.7147	14.4902

Build - 2040				
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
83040	2368	13.3099	8.4860	
2967	4980	18.5432	14.1483	
1477	3320	10.7054	10.9222	
906	1117	15.6258	13.9645	
0	28360	0.0000	10.6336	
7578	490	15.0363	10.6427	
51251	1723	14.3680	9.2124	
0	16	0.0000	8.1374	
0	4474	0.0000	11.9613	
0	30	0.0000	15.1092	
948	643	25.6295	15.3165	
27612	6087	11.4005	13.9284	
1758	0	16.7444	0.0000	
82	0	20.4360	0.0000	
0	429	0.0000	12.2631	
7146	1210	16.5030	13.7452	
1178	55	13.7013	9.2019	
0	267	0.0000	13.3698	
183728	1149	16.0405	8.9764	
8085	3289	11.0450	12.8474	
19148	3983	14.6170	13.1441	
2308	963	19.8957	13.1974	
1697	822	12.2115	15.2160	
3548	548	35.8360	12.4609	
26581	2788	12.4326	12.7313	
0	0	0.0000	0.0000	
735	0	11.8536	0.0000	
16162	2287	11.8927	13.1414	
36714	416	18.2839	11.8965	
1284	53	13.1049	10.5786	
2354	1119	14.6224	13.4857	
3255	573	17.6918	14.3277	
6455	1605	14.0950	12.9454	
513	216	19.7385	11.9799	
0	982	0.0000	11.5571	
1595	25	12.2698	12.4558	
4658	1839	13.7400	13.0418	
203	27	20.3103	13.4282	
1467	768	13.7149	14.4902	

	No Build - 2040				
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp	
4875	98	5	8.9373	5.4937	
4876	888	622	12.5076	13.8300	
4877	18709	3141	21.3819	17.4489	
4878	2040	391	15.6924	12.2162	
4879	18543	864	12.7270	12.5237	
4880	330	1671	23.5967	17.2232	
4881	6507	5388	30.5484	19.5209	
4882	6597	182	20.1140	12.1224	
4883	3645	4466	18.1356	11.4816	
4884	0	377	0.0000	11.7693	
4885	175	1032	0.0000	12.5795	
4886	528	1434	29.3589	16.2960	
4887	0	1036	0.0000	17.8616	
4888	157531	2615	12.3563	4.7033	
4889	32745	391	21.0171	13.0454	
4890	7875	6626	23.3668	19.7206	
4891	38089	54	17.8990	9.0244	
4892	343	1697	22.8966	12.6641	
4893	708	177	28.3067	17.7137	
4894	12433	788	20.6185	11.4260	
4895	680	107	24.2853	10.7098	
4896	358	0	14.9079	0.0000	
4897	4327	670	26.8786	14.2599	
4898	17265	498	32.6365	14.2360	
4899	989	0	19.0249	0.0000	
4900	0	334	0.0000	15.2029	
4901	247	447	41.1806	16.5566	
4902	462	329	38.5343	11.7622	
4903	0	713	0.0000	13.9833	
4904	608	1091	17.8829	11.6099	
4905	155	346	38.7899	15.0386	
4906	237	1095	11.8410	11.8984	
4907	0	193	0.0000	19.3232	
4908	348	0	31.6747	0.0000	
4909	30552	20	26.7533	9.8353	
4910	111140	302	19.0897	10.4091	
4911	17962	8162	23.9171	17.4400	
4912	2880	0	84.6990	0.0000	
4913	62657	72	35.9682	11.9602	

Build - 2040					
RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp		
98	5	8.9373	5.4937		
891	622	12.5427	13.8298		
18714	3141	21.3870	17.4503		
2040	391	15.6924	12.2166		
18543	864	12.7270	12.5233		
330	1671	23.5967	17.2246		
6508	5388	30.5546	19.5220		
6597	182	20.1142	12.1226		
3646	4466	18.1372	11.4818		
0	377	0.0000	11.7693		
175	1032	0.0000	12.5799		
528	1434	29.3594	16.2961		
0	1036	0.0000	17.8630		
157532	2615	12.3564	4.7033		
32745	391	21.0173	13.0456		
7875	6626	23.3680	19.7217		
38089	54	17.8991	9.0245		
344	1697	22.9413	12.6645		
708	177	28.3086	17.7147		
12434	788	20.6206	11.4262		
680	107	24.2855	10.7100		
358	0	14.9071	0.0000		
4328	670	26.8790	14.2601		
17265	498	32.6368	14.2362		
989	0	19.0250	0.0000		
0	334	0.0000	15.2031		
247	447	41.1984	16.5568		
462	329	38.5329	11.7623		
0	713	0.0000	13.9835		
608	1091	17.8823	11.6101		
155	346	38.7964	15.0388		
237	1095	11.8406	11.8985		
0	193	0.0000	19.3234		
348	0	31.6663	0.0000		
30553	20	26.7535	9.8354		
111141	302	19.0899	10.4092		
17962	8162	23.9175	17.4402		
2880	0	84.7036	0.0000		
62658	72	35.9690	11.9603		

	No Build - 2040			
TAZ	RESI_VMT w Ext	HBW_VMT W Ext	Res-VMT/Cap	HBW-VMT/Emp
4914	12408	0	34.8553	0.0000
4915	467628	330026	24.9921	33.4441
4916	0	1036	0.0000	35.7306
4917	47305	45437	5.3170	55.7511
4918	20600	232867	31.9386	24.5667
4919	67416	2849	33.4570	6.1396
4920	73521	2315	30.0945	1.5624
4921	101309	616	27.6800	1.3820
4922	100338	4457	24.8917	1.5829
4923	111879	887	29.8104	1.3296
4924	36459	2237	18.0047	1.5323
4925	54185	1791	51.8521	11.9376
4926	18644	170	17.0734	10.6116
	49,805,138	16,700,356	19.985	12.099

Build - 2040						
RESI_VMT w Ext		Res-VMT/Cap	HBW-VMT/Emp			
12409	0	34.8577	0.0000			
467629	330026	24.9922	33.4441			
0	1036	0.0000	35.7309			
47296	45437	5.3160	55.7512			
20596	232868	31.9324	24.5667			
67414	2849	33.4563	6.1396			
73521	2315	30.0944	1.5624			
101308	616	27.6799	1.3820			
100338	4457	24.8916	1.5829			
111878	887	29.8104	1.3296			
36459	2237	18.0045	1.5323			
54186	1791	51.8524	11.9376			
18643	170	17.0719	0.0000			
49,802,159	16,700,813	19.984	12.099			