

TRAFFIC IMPACT ANALYSIS

FAIRWAY ESTATES  
Traffic Impact Analysis

FLORENCE, OREGON

May 6, 2022

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**SANDOW**  
ENGINEERING

# Traffic Impact Analysis

## FAIRWAY ESTATES



RENEWAL 06/30/22

Florence, Oregon  
May 6, 2022

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## EXECUTIVE SUMMARY

This report provides the Traffic Impact Analysis and findings prepared for phase 2 of Fairway Estates Subdivision in Florence, Oregon. The subject site is located at tax lot 1500 of Assessor's Map 18-12-15.

Fairway Estates phase 2 expands the existing subdivision to the north and includes 42 single family lots. Access to the site will be from Rhododendron Drive via Tournament Dr.

The analysis evaluates the transportation impacts per the City of Florence criteria, evaluating adjacent roadway and intersection operations.

## FINDINGS

The following report recommendations are based on the information and analysis documented in this report.

- The addition of development trips does not trigger intersection mitigation.
- The addition of development trips does not increase queuing conditions at the study area intersections.
- The site accesses will operate safely and efficiently for all modes of travel.
- The site will have safe and adequate access for pedestrians and bicycles to and within the site.

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## 1.0 BACKGROUND

### 1.1 SITE INFORMATION

This report provides the Traffic Impact Analysis and findings prepared for a phase 2 of Fairway Estates subdivision in Florence, Oregon. The subject site is located at 4000 Rhododendron Drive and is located at Tax Lot 1500 of Assessor's Map 18-12-15. The site is currently vacant.

Figure 1 contains the site location and vicinity map.

### 1.2 DEVELOPMENT PROPOSAL

The proposal is to expand the existing subdivision to the north and to construct 42 single family lots. The development includes the extension of Caddington Ln and Dunbar Way, into the site.

Access to the site will be from Rhododendron Dr via Tournament Dr.

### 1.3 ANALYSIS SCOPE

As per City of Florence code FCC 10-1—1-4-E(2)(c), a TIA is required if the development includes 25 or more single family dwellings or will increase the ADT by 250. The site meets the criteria for requiring a Traffic Impact Analysis.

The analysis includes:

- Evaluation of site access point: Rhododendron at Tournament Dr
- Intersection evaluation: Rhododendron at Tournament Dr

The evaluation is prepared for the AM and Peak Period (7:00-9:00 AM) and the PM Peak Period (4:00-6:00 pm) for the following locations:

The analysis is performed for:

- Existing conditions, year 2022
- Estimated year of completion, year 2024, with and without the proposed development
- Five-year planning horizon year, year 2029, with and without the proposed development



Fairway Estates, Florence, OR

Figure 1: Site Location and Vicinity Map

## 2.0 EXISTING ROADWAY CONDITIONS

### 2.1 STREET NETWORK

Public streets included within the study area are Rhododendron Dr and 35<sup>th</sup> St. The roadway characteristics within the study area are included in Table 1.

TABLE 1: ROADWAY CHARACTERISTICS WITHIN STUDY AREA

Characteristic	Rhododendron Ln	35 <sup>th</sup> St
<b>Jurisdiction</b>	City	City
<b>Classification</b>	Minor Arterial	Collector
<b>Lanes per Direction</b>	1	1
<b>Center Left-Turn Lane</b>	No	No
<b>Restrictions in the Median</b>	None	None
<b>Bike Lanes Present</b>	No	Yes
<b>Sidewalks Present</b>	No	No
<b>Transit Route</b>	No	No
<b>On-Street Parking</b>	No	No

### 2.2 STUDY INTERSECTIONS

The following intersection are included in this study:

#### **Two-Way Stop Controlled**

- Rhododendron Dr @ Tournament Dr
- Rhododendron Dr @ 35<sup>th</sup> St

Figure 2 illustrates the study area intersection geometry and control.

### 2.3 CRASH ANALYSIS

A crash evaluation was performed for the study area intersections. The analysis investigates crash data available for the most recent 5 years, 1/1/2016-12/31/2020, to determine a crash rate in crashes per million entering vehicles and the type of crashes that occurred. Year 2020 crash data has not been provided for use. The crash analysis follows the HCM Critical Crash Rate methodology. The calculated intersection crash rates are compared to the critical crash rate. If the calculated crash rate exceeds the critical crash rate, the location is considered for further mitigation measures. Crash data was provided by ODOT for the study area and is included in Appendix B. The results of the crash analysis are provided in Table 2.



TABLE 2: INTERSECTION CRASH RATES

Location	Intersection Type	Number of Crashes	ADT	MEV	Crash Rate	Critical Crash Rate	
Rhododendron at Tournament	Stop	0	4600	0	0.00	0.00	Under
Rhododendron at 35 <sup>th</sup>	Stop	0	3510	0	0.00	0.00	Under

\*(crashes/million entering vehicles)

As illustrated within Table 2, there were no reported crashes at the study area intersections for the past 5 years. Therefore, mitigation for crash history is not triggered by this development.

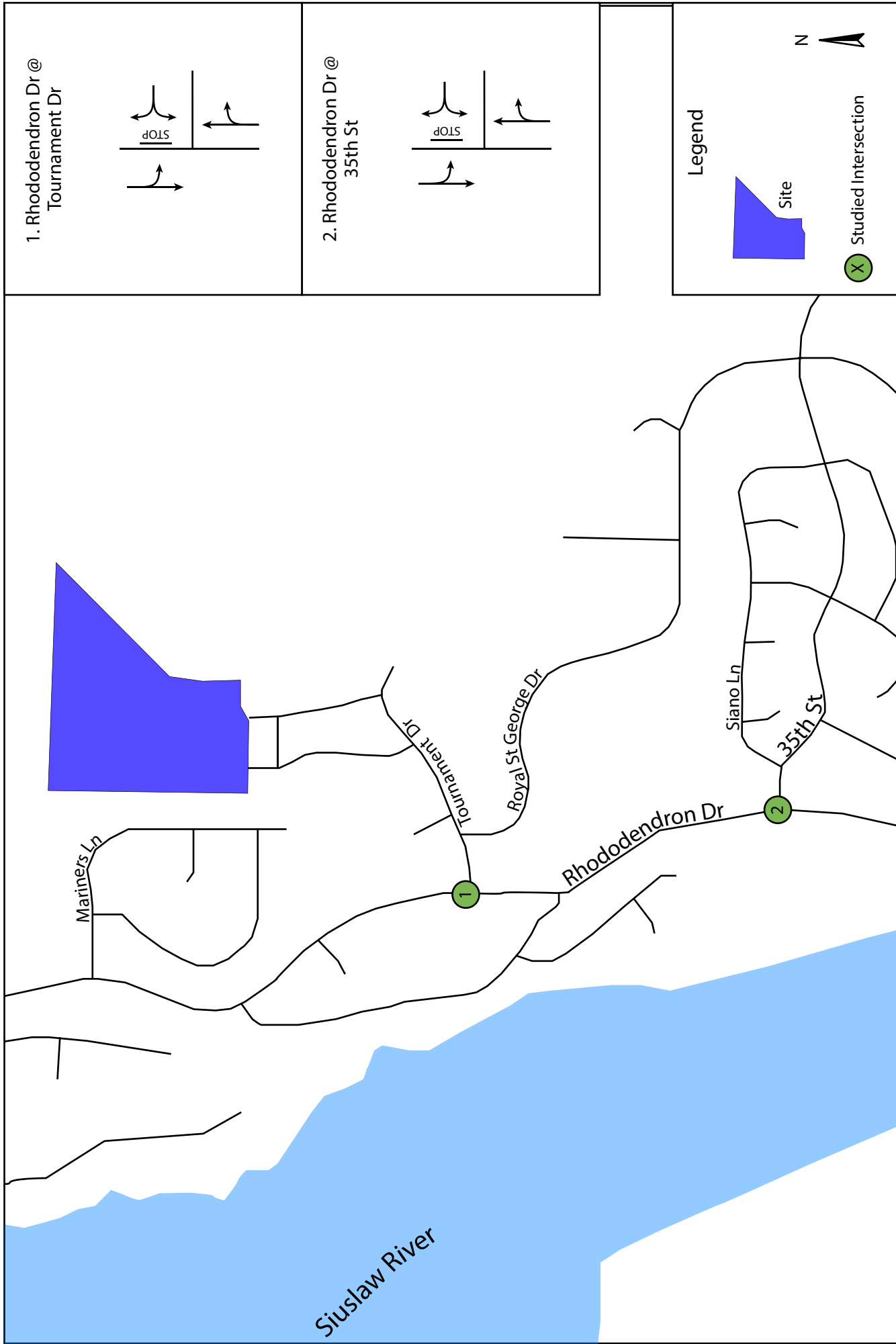


Figure 2: Lane Configuration and Traffic Control

Fairway Estates, Florence, OR

### 3.0 DEVELOPMENT TRIP GENERATION AND DISTRIBUTION

#### 3.1 DEVELOPMENT TRIP GENERATION

The PM peak hour trips generated by the site are estimated using the ITE Trip Generation Manual 11<sup>th</sup> Edition. Table 3 provides the trip generation estimate for the AM and PM Peak Hours. The land use that most closely matches the proposed use is 210- Single Family Residential.

TABLE 3: PEAK HOUR TRIP GENERATION

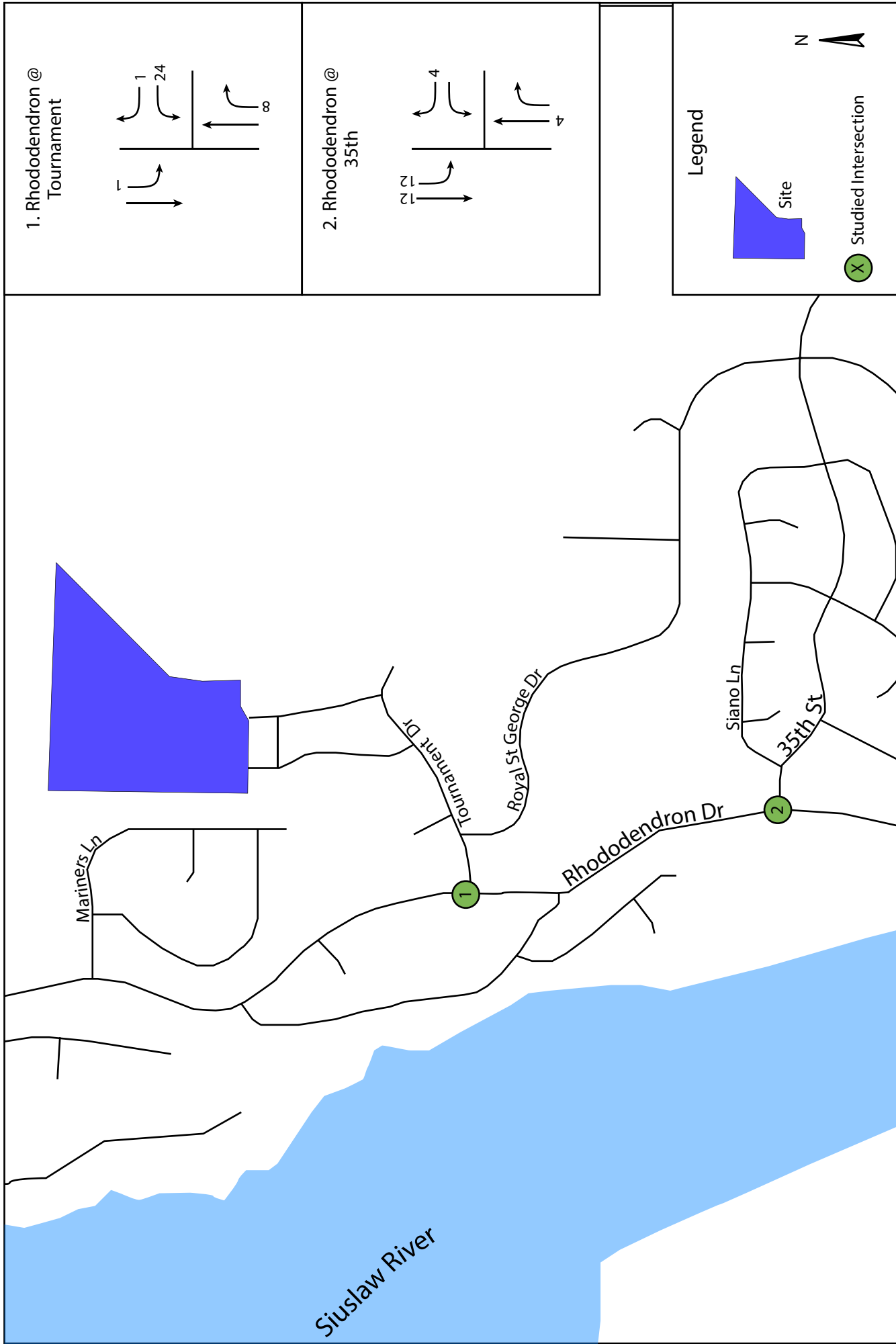
Land Use Code	Size (units)	Rate	Trips	IN	Out
<b>AM</b>					
<b>210- Single Family</b>	42	$\ln(t)=0.91\ln(x)+0.12$	34	(26%) 9	(74%) 25
<b>PM</b>					
<b>210- Single Family</b>	42	$\ln(t)=0.94\ln(x)+0.27$	44	(63%) 28	(37%) 16

#### 3.2 DEVELOPMENT TRIP DISTRIBUTION

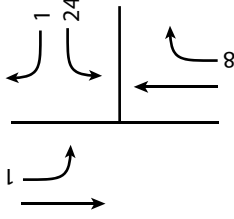
The existing travel patterns from the traffic counts are used to estimate how the development trips will use the surrounding transportation system to access the site with modifications for reasonable origins and destinations. The trip origins/destinations are assumed at:

- North on Rhododendron= 5%
- South on Rhododendron= 48%
- East on 35<sup>th</sup>= 47%

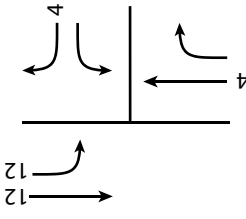
Figure 3 illustrates the development trip distribution for the AM Peak Hour and Figure 4 for the PM Peak Hour.



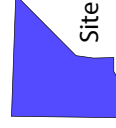
1. Rhododendron @  
Tournament



2. Rhododendron @  
35th



Legend



Site



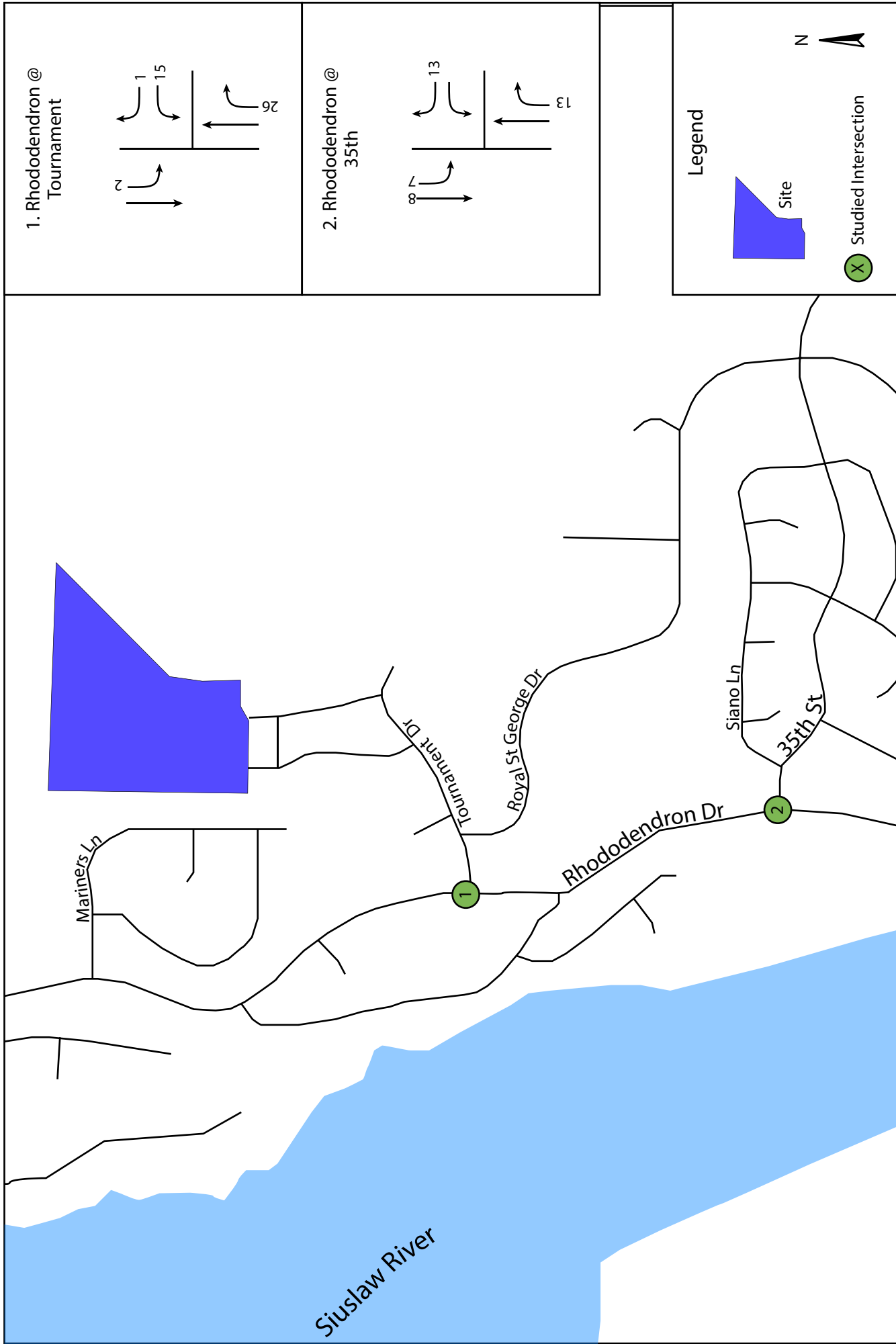
Studied Intersection



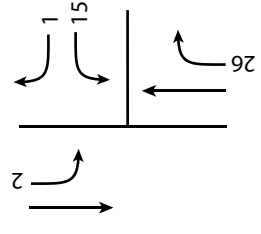
N

Fairway Estates, Florence, OR

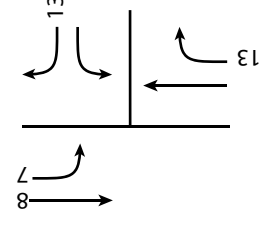
Figure 3: AM Peak Hour Development Trips



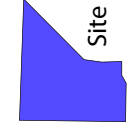
1. Rhododendron @  
Tournament



2. Rhododendron @  
35th



Legend



Site



Studied Intersection



N

Fairway Estates, Florence, OR

Figure 4: PM Peak Hour Development Trips

## 4.0 BACKGROUND TRAFFIC VOLUMES

### 4.1 INTERSECTION COUNTS

The Traffic Impact Analysis for the adjacent development to the south, collected AM and PM peak hour traffic volumes at the intersection of Rhododendron Dr at 35<sup>th</sup> St. The count for this intersection, provided in Kittleson's September 24, 2020 Memo, were taken on August 27, 2020. This data is provided in Appendix C.

Sandow Engineering collected the AM and PM peak hour counts at Rhododendron Dr at Tournament Dr. The counts were collected on October 20<sup>th</sup> and 21<sup>st</sup> 2021.

### 4.2 ADJUSTMENTS

#### Seasonal Adjustment

The application of seasonal adjustment factors account for the fact that volumes along State Highways and recreational routes tend to fluctuate from month to month due to changes in recreational behavior, etc. Monthly volume variations for routes with recreational traffic show much higher seasonal peaking than routes with predominantly intercity traffic. The roadways in Florence have a seasonal peak associated with summer recreational activities. ODOT has an Automatic Traffic Recorder (ATR) located on Highway 101 north of Florence. The data from that ATR (ATR 20-026) illustrates that the peak months for traffic are July and August

Sandow Engineering took the count at Rhododendron at Tournament Drive in October. The count at Rhododendron at 35<sup>th</sup> was taken in late August.

ODOT's Analysis Procedures Manual details the methodology for calculating the seasonal adjustment factor. The ATR Methodology, using the ATR data was deemed not appropriate for this project. The ATR Methodology should not be used when the daily traffic volumes at the ATR is more than 10% difference from the site area. The ATR has an AADT of 7,224. Highway 101 at 35<sup>th</sup> St has an AADT of 10,900. The study area AADT is 51% higher than the AADT at the ATR. This is due to the rural nature of the roadway at the ATR. The ATR is located north of Heceta Beach Road where Hwy 101 becomes more rural with limited access points. This means that traffic variations between the low and peak season will be greater at the ATR than near the project site. Due to these factors, strictly applying a factor associated with seasonal fluctuation from the ATR will overestimate traffic flow. The more appropriate method is to use ODOT's Seasonal Trend Table. Using Coastal Destination, the SAF applied to August counts is 1.246. The SAF is applied to the traffic volumes to reflect peak season conditions. The seasonal adjustment factor calculation is provided in Appendix C.

#### Covid Adjustments

Counts collected during 2020 are generally affected by the Covid-19 shutdowns. Therefore, counts from this time need to be adjusted to reflect conditions consistent with non-COVID-19 traffic volumes. ODOT has been monitoring the traffic volume fluctuations on state highways

and comparing the current volumes to pre Covid-19 volumes. Based on this data, the traffic volume outside of the Portland Metro area during August 2020 are lower than this time pre-Covid-19. Therefore, the factor of 1.016 was applied to the August 2020 counts to represent “non-COVID-19” volumes. The traffic volumes in October 2022 have returned to pre-Covid levels. No adjustment is needed.

## **In Progress Development**

### Florence Subdivision

To the south of the development site is a subdivision that has been approved but not completed. It is located at tax lots 700 and 3800 at the NE corner of Rhododendron and 35<sup>th</sup>. Therefore, the trips generated by this proposed development are added to the background traffic volumes.

### Fawn Ridge

Fawn Ridge is located on Rhododendron Drive approximately 2 miles north of the development site. The development trips from this site area added to the background trips.

### Sandpines Phase 1

A portion of Phase 1 of the Sandpines/Fairway Estates has been completed. Phase 1 is proposed at 40 lots, 18 lots have been completed. The trip generation for the remaining 22 lots was added as background traffic.

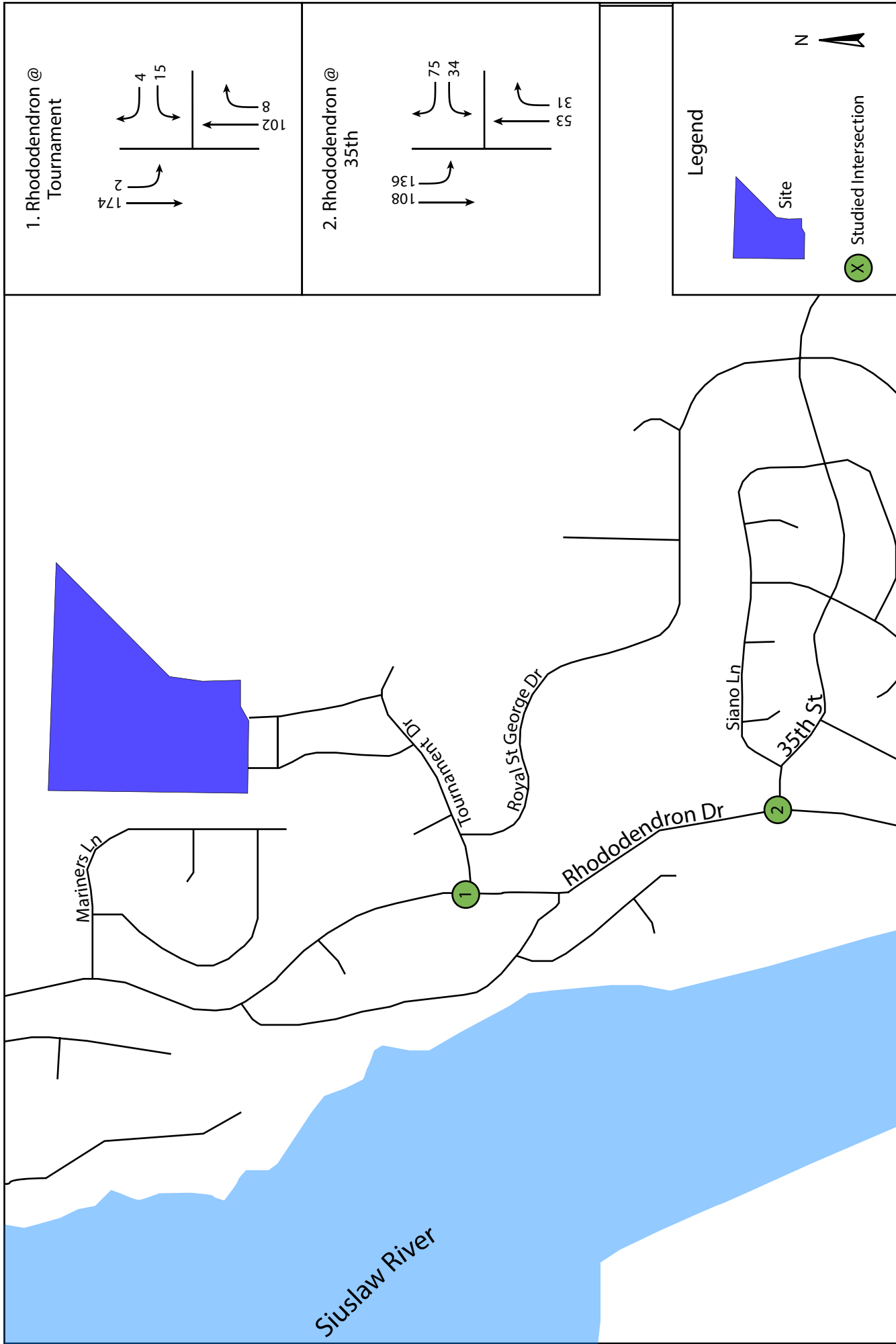
## **4.3 FUTURE YEAR BACKGROUND VOLUMES**

The proposed site development is projected to be completed by the year 2024. Consistent with the traffic impact analysis criteria, the intersections were evaluated for the year of completion and 5-year planning horizon. To account for naturally occurring traffic increases between the count year and the future analysis year, an annual growth rate is applied. ODOT’s Future Volume tables illustrate a nominal growth rate. To be conservative a growth rate of 1% was used.

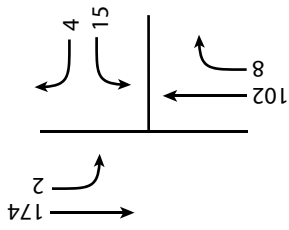
## **4.4 FINAL TRAFFIC VOLUMES**

The existing traffic volumes were adjusted according to the methodology described above. Appendix C provides the traffic volume calculations. The development trips are added to the background traffic volumes to represent the build conditions. The traffic volumes are illustrated in the following figures:

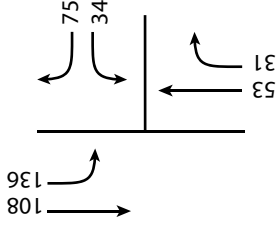
- Figure 5- Year 2022 AM Peak Hour Background
- Figure 6- Year 2022 PM Peak Hour Background
- Figure 7- Year 2024 AM Peak Hour Traffic Volumes
- Figure 8- Year 2024 PM Peak Hour Traffic Volumes
- Figure 9- Year 2029 AM Peak Hour Traffic Volumes
- Figure 10- Year 2029 PM Peak Hour Traffic Volumes



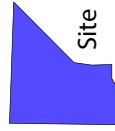
1. Rhododendron @  
Tournament



2. Rhododendron @  
35th



Legend



Site



N

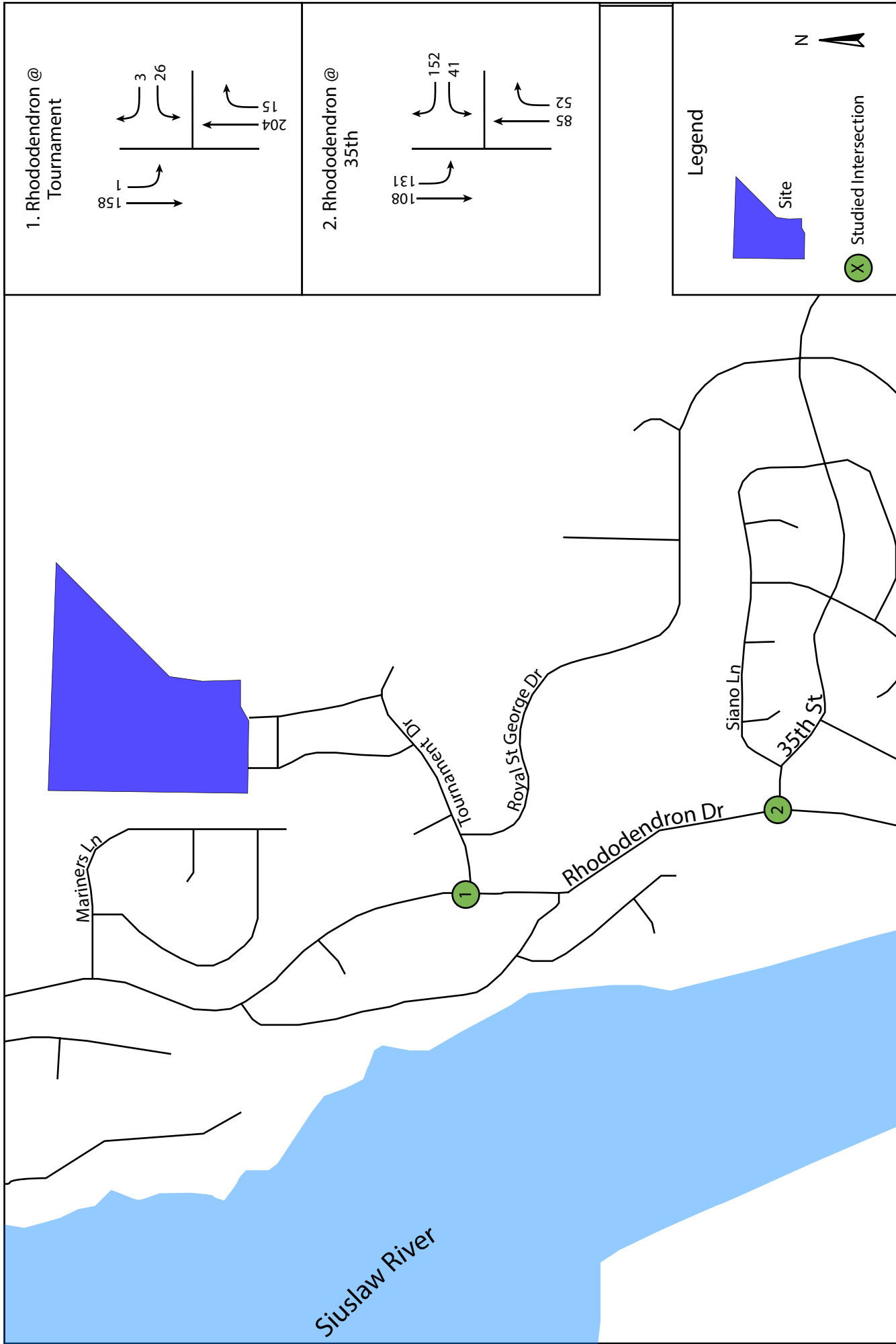


Studied Intersection

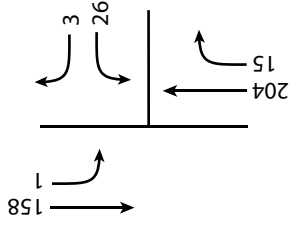
Fairway Estates, Florence, OR

Figure 5: Year 2022 AM Background Traffic Volumes

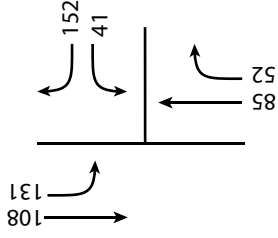




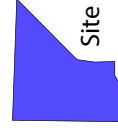
1. Rhododendron @  
Tournament



2. Rhododendron @  
35th



Legend



Fairway Estates, Florence, OR

Figure 6: Year 2022 PM Background Traffic Volumes



Figure 7: Year 2024 AM Peak Hour Traffic Volumes

Fairway Estates, Florence, OR

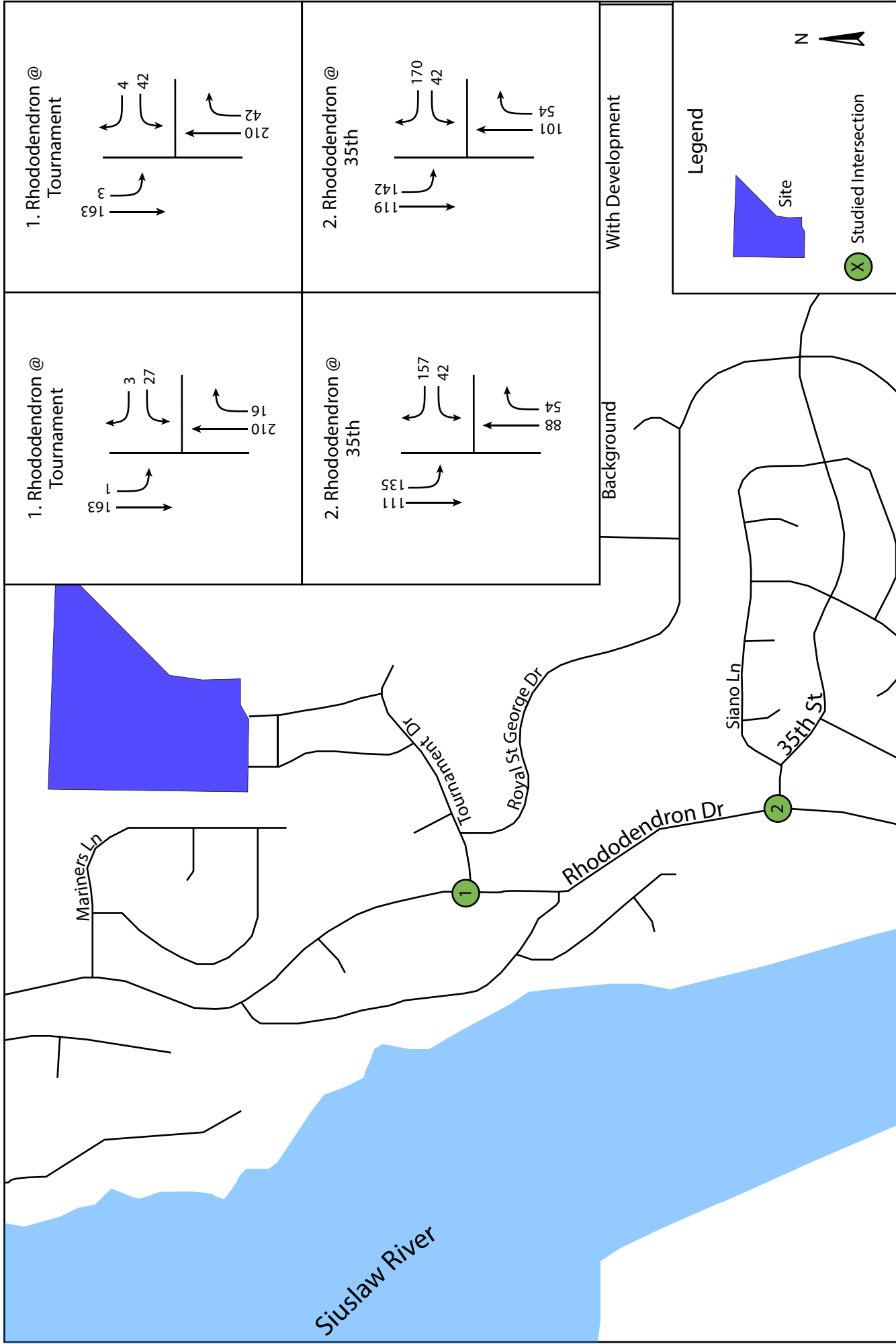


Figure 8: Year 2024 PM Peak Hour Traffic Volumes

Fairway Estates, Florence, OR

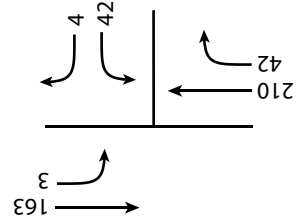


Figure 9: Year 2029 AM Peak Hour Traffic Volumes

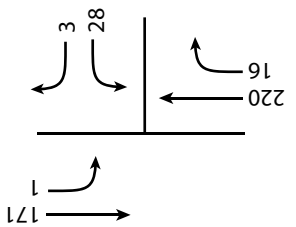
Fairway Estates, Florence, OR



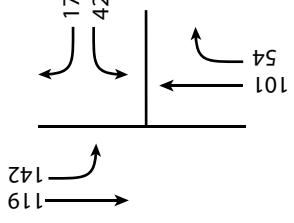
1. Rhododendron @ Tournament



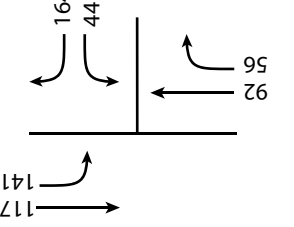
1. Rhododendron @ Tournament



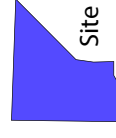
2. Rhododendron @ 35th



2. Rhododendron @ 35th



Legend



Site



Studied Intersection



N

Fairway Estates, Florence, OR

Figure 10: Year 2029 PM Peak Hour Traffic Volumes

## 5.0 INTERSECTION ANALYSIS

### 5.1 PERFORMANCE MEASURES

The measure of performance for the site access and intersections is the volume-to-capacity ratio (v/c) and Level of Service (LOS).

The volume-to-capacity ratio (v/c) describes the capability of an intersection to meet volume demand based upon the maximum number of vehicles that could be served in an hour.

LOS is a measure of performance for intersections in this analysis is based on the Highway Capacity Manual (HCM). LOS is a concept developed to quantify the degree of comfort (including such elements as travel time, number of stops, total amount of stopped delay, and impediments caused by other vehicles) afforded to drivers as they travel through an intersection or along a roadway segment. It was developed to quantify the quality of service of transportation facilities.

LOS is based on average delay, defined as the average total elapsed time from when a vehicle stops at the end of a queue until the vehicle departs from the stop line. The average delay is measured in seconds per vehicle per hour and then translated into a grade or “level of service” for each intersection. LOS ranges from A to F, with A indicating the most desirable condition and F indicating the most unsatisfactory condition.

The LOS criteria, as defined by the Highway Capacity Manual for signalized intersections, are provided in Table 4.

TABLE 4: HCM LEVEL OF SERVICE FOR INTERSECTIONS

	Stopped Delay Per Vehicle (Seconds per Vehicle)	
	Unsignalized Intersections	Signalized Intersections
<b>A</b>	≤ 10.0	≤ 10
<b>B</b>	> 10.0 and ≤ 15.0	> 10 and ≤ 20
<b>C</b>	> 15.0 and ≤ 25.0	> 20 and ≤ 35
<b>D</b>	> 25.0 and ≤ 35.0	> 35 and ≤ 55
<b>E</b>	> 35.0 and ≤ 50.0	> 55 and ≤ 80
<b>F</b>	> 50.0	> 80

The City of Florence uses a LOS standards are:

- Unsignalized intersections:  
LOS= D

## 5.2 INTERSECTION ANALYSIS RESULTS

A performance analysis was conducted for the studied intersections for the Year 2021, 2024, and 2029 conditions during the AM and PM peak hours. The intersection evaluation was performed using Synchro 10 following HCM 6 critical movement methodology outlined in ODOT’s analysis Procedures Manual. The results are shown in Table 5 for the AM peak hour and Table 6 for the PM peak hour. The SYNCHRO outputs are provided in Appendix D.

TABLE 5: INTERSECTION PERFORMANCE: WEEKDAY AM PEAK HOUR

Intersection	Mobility Standard LOS	2022	2024 Background	2024 Build	2029 Background	2029 Build
<b>Rhododendron at Tournament</b>	LOS D	B	B	B	B	B
<b>Rhododendron at 35<sup>th</sup></b>	LOS D	B	B	B	B	B

\*Results reported for highest movement

TABLE 6: INTERSECTION PERFORMANCE: WEEKDAY PM PEAK HOUR

Intersection	Mobility Standard LOS	2022	2024 Background	2023 Build	2028 Background	2028 Build
<b>Rhododendron at Tournament</b>	LOS D	B	B	B	B	B
<b>Rhododendron at 35<sup>th</sup></b>	LOS D	B	B	B	B	B

\*Results reported for highest movement

As illustrated in Table 5 all intersections meet the mobility standards.

## 5.3 QUEUE ANALYSIS

A queuing analysis was conducted for the studied intersections. The analysis was performed using SimTraffic, a microsimulation software tool that uses the HCM defined criteria to estimate the queuing of vehicles within the study area. The average and 95<sup>th</sup> percentile queuing results are illustrated in Table 8 for the AM Peak Hour and Table 9 for the AM peak hour. All results are rounded to 25 feet to represent the total number of vehicles in the queue, as one vehicle typically occupies 25 feet of space. The SimTraffic outputs are provided in Appendix F.

TABLE 8: INTERSECTION QUEUING: WEEKDAY AM PEAK HOUR

Intersection	Available Storage (Feet)	2021 No-Build (Feet)		2024 No-Build (Feet)		2024 Build (Feet)		2029 No-Build (Feet)		2029 Build (Feet)		
		Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	
Rhododendron @ Tournament	WB	200	25	50	25	50	25	50	25	50	25	50
	NB	1200	0	0	0	0	0	0	0	0	0	0
	SB	500	0	25	0	25	0	0	0	25	0	25
Rhododendron @ 35th	WB	125	50	75	50	75	50	75	50	75	50	75
	NB	125	0	25	0	25	0	25	0	25	0	25
	SB	1200	25	75	25	75	25	75	25	75	25	75

TABLE 9: INTERSECTION QUEUING: WEEKDAY PM PEAK HOUR

Intersection	Available Storage (Feet)	2021 No-Build (Feet)		2024 No-Build (Feet)		2024 Build (Feet)		2029 No-Build (Feet)		2029 Build (Feet)		
		Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	
Rhododendron @ Tournament	WB	200	25	50	25	50	50	75	50	75	50	75
	NB	1200	0	0	0	0	0	0	0	0	0	0
	SB	500	0	25	0	25	0	5	0	25	0	25
Rhododendron @ 35th	WB	125	75	100	75	100	75	100	75	100	75	100
	NB	125	0	25	25	25	25	25	0	25	0	25
	SB	1200	25	75	50	75	50	75	50	75	50	100

As demonstrated in Tables 8 and 9, the addition of development traffic does not substantially increase the queuing conditions at the studied intersections.

## 6.0 CONCLUSION

The report provides a Traffic Impact Analysis and findings prepared for Fairway Estates 42-unit residential subdivision located in Florence, Oregon.

### FINDINGS

- The addition of development trips does not trigger intersection mitigation.
- The addition of development trips does not increase queuing conditions at the study area intersections.
- The site accesses will operate safely and efficiently for all modes of travel.
- The site will have safe and adequate access for pedestrians and bicycles to and within the site.

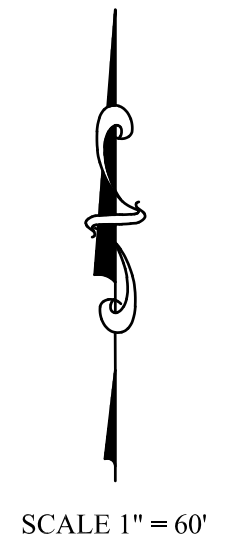


Fairway Estates

**PROPOSED LAYOUT**  
**FOR**  
**FAIRVIEW ESTATES PHASE 2**  
 SW 1/4, SECTION 15, TOWNSHIP 18 SOUTH, RANGE 12 WEST, W.M.  
 FLORENCE, LANE COUNTY, OREGON  
 DATE PREPARED: AUGUST 2, 2021

**CURVE TABLE**

CURVE #	CHORD	RADIUS	LENGTH	DELTA
C1	N14°56'46"W 10.55'	20.00	10.68	30°35'11"
C2	N15°12'02"W 29.27'	56.40	29.61	30°04'38"
C3	N22°34'01"E 43.58'	56.40	44.75	45°27'29"
C4	N68°01'30"E 43.58'	56.40	44.75	45°27'29"
C5	S74°12'25"E 29.27'	56.40	29.61	30°04'40"
C6	S74°27'41"E 10.55'	20.00	10.68	30°35'12"
C7	S45°17'46"W 42.39'	30.00	47.07	89°53'53"
C8	N74°48'37"E 10.65'	20.00	10.78	30°52'13"
C9	N77°09'17"E 34.44'	56.40	35.00	35°33'34"
C10	S57°51'35"E 51.57'	56.40	53.56	54°24'43"
C11	S18°59'38"W 50.46'	56.40	52.31	53°08'34"
C12	S59°52'29"W 27.88'	56.40	28.17	28°37'08"
C13	S58°44'57"W 10.65'	20.00	10.78	30°52'13"
C14	N23°13'13"W 55.04'	30.00	69.67	133°04'08"
C15	N33°43'04"E 40.01'	120.00	40.20	19°11'33"
C16	N14°38'34"E 39.52'	120.00	39.70	18°57'27"
C17	S24°14'20"W 52.29'	80.00	53.27	38°09'00"
C18	N0°36'46"E 19.04'	120.00	19.06	9°06'09"
C19	S0°36'46"W 12.70'	80.00	12.71	9°06'09"
C20	N45°17'47"E 109.22'	56.40	148.71	151°04'16"
C21	S23°13'13"E 111.86'	56.40	191.76	194°48'33"
C22	N24°14'20"E 78.43'	120.00	79.90	38°09'00"
C23	N14°56'46"W 21.10'	40.00	21.35	30°35'11"
C24	N45°17'47"E 70.49'	36.40	95.98	151°04'16"
C25	S74°27'41"E 21.10'	40.00	21.35	30°35'12"
C26	N74°48'37"E 21.29'	40.00	21.55	30°52'13"
C27	S23°13'13"E 72.19'	36.40	123.76	194°48'33"
C28	S58°44'57"W 21.29'	40.00	21.55	30°52'12"
C29	S24°14'20"W 65.36'	100.00	66.58	38°09'00"
C30	S0°36'46"W 15.87'	100.00	15.89	9°06'09"
C31	S19°06'56"E 22.56'	56.40	22.72	23°04'34"



NOTES:  
 1. ONLY VISIBLE EVIDENCE OF UNDERGROUND UTILITIES ARE LOCATED. THIS SURVEY WAS MADE WITHOUT BENEFIT OF A TITLE REPORT. EASEMENTS, BOTH IMPLIED AND OF RECORD, NOT SHOWN ON THIS MAP MAY EXIST.  
 2. BOUNDARIES SHOWN ARE RECORD.  
 ELEVATION DATUM = NGVD 1929 +/- 0.2  
 TBM = MAG NAIL W200 - ELEVATION 66.47

Map compiled from record data, Lane County GIS Shapefiles, Aerial photos, and Dogami Lidar data. Survey field data was not gathered, and this map is not a survey.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
JULY 30, 1976  
**EUGENE M. WOBBE**  
1093  
P.L.S. EXPIRATION DATE: 6-30-2022

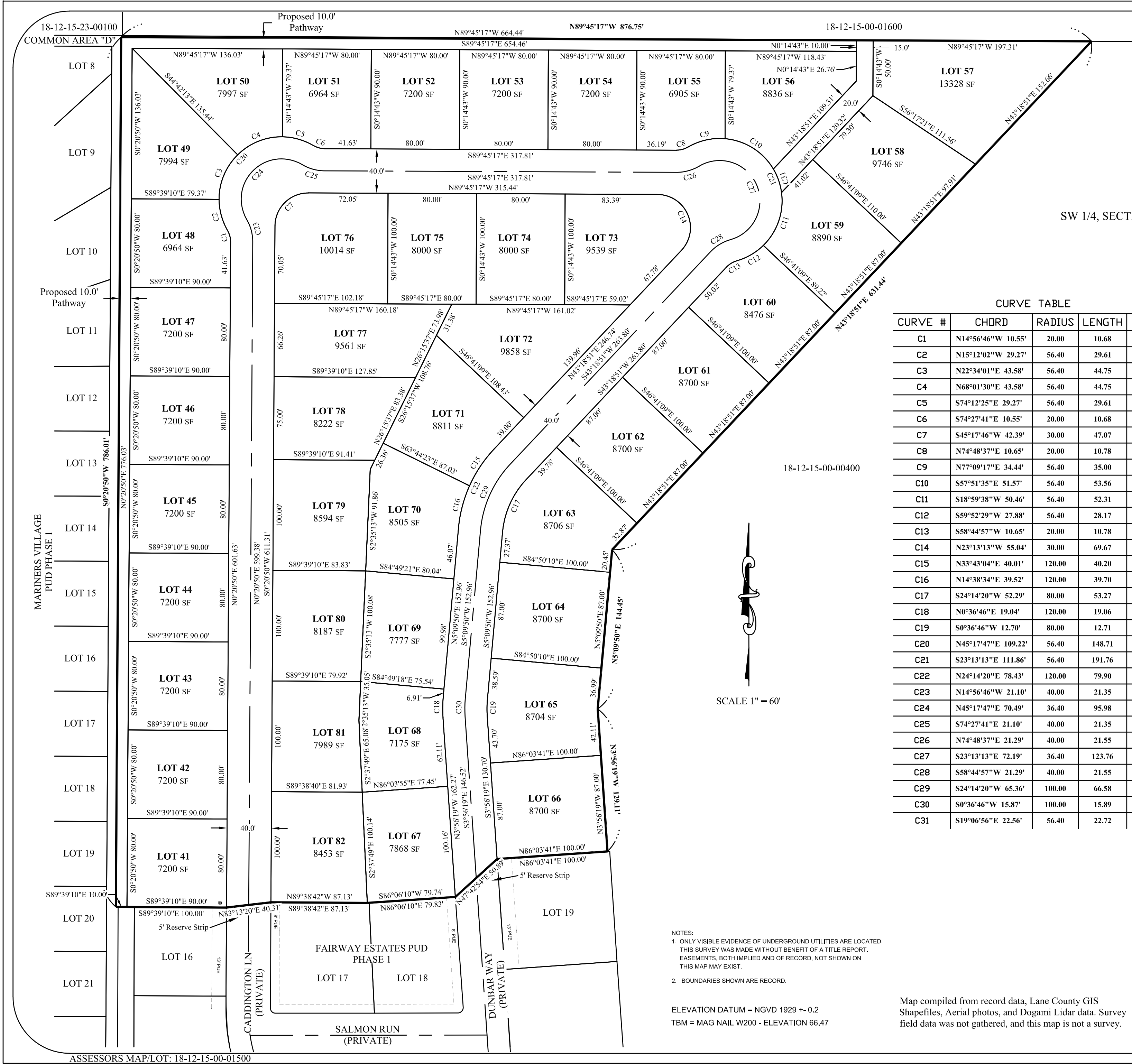
**WOBBE & ASSOCIATES, INC.**  
510 KINGWOOD ST. / P.O. BOX 3093  
FLORENCE, OR 97439

TOPOGRAPHIC SURVEY FOR:  
MICHAEL PEARSON

SW 1/4, SEC. 15, T 18 S, R 12 W, W.M.  
LANE COUNTY, OREGON

DATE: FEB 21, 2021      DRAWN: EMW

**METRO PLANNING, INC**  
846 A STREET  
SPRINGFIELD, OR. 97477  
541-302-9830  
JOB NO. 21-051



Fairway Estates

CITY OF FLORENCE, LANE COUNTY

RHODODENDRON DR at 35TH ST, City of Florence, Lane County, 01/01/2016 to 12/31/2020

SER#	S	D	M	P	R	J	S	W	DATE	CLASS	CITY STREET	INT-TYPE	SPCL USE	INVEST	E	A	U	I	C	O	DAY	DIST	FIRST STREET	RD CHAR	(MEDIAN)	INT-REL	OFFRD	WTHR	CRASH	TRLR QTY	MOVE	A	S	RD DPT	E	L	G	N	H	R	TIME	FROM	SECOND STREET	DIRECT	LEGS	TRAF-	RNDBT	SURF	COLL	OWNER	FROM	PRTC	INJ	G	E	LICNS	PED	UNLOC?	D	C	S	V	L	K	LAT	LONG	LRS	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	TYPE	TO	P#	TYPE	SVRTY	E	X	RES	LOC	ERROR	ACT	EVENT	CAUSE
------	---	---	---	---	---	---	---	---	------	-------	-------------	----------	----------	--------	---	---	---	---	---	---	-----	------	--------------	---------	----------	---------	-------	------	-------	----------	------	---	---	--------	---	---	---	---	---	---	------	------	---------------	--------	------	-------	-------	------	------	-------	------	------	-----	---	---	-------	-----	--------	---	---	---	---	---	---	-----	------	-----	-------	----------	-------	-------	-------	-------	----	------	----	----	------	-------	---	---	-----	-----	-------	-----	-------	-------

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirement, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

05/04/2022

TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

CRASH SUMMARIES BY YEAR BY COLLISION TYPE

RHODODENDRON DR at 35TH ST, City of Florence, Lane County, 01/01/2016 to 12/31/2020

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	SECTION RELATED	OFF- ROAD
FINAL TOTAL														

*Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.*

Fairway Estates

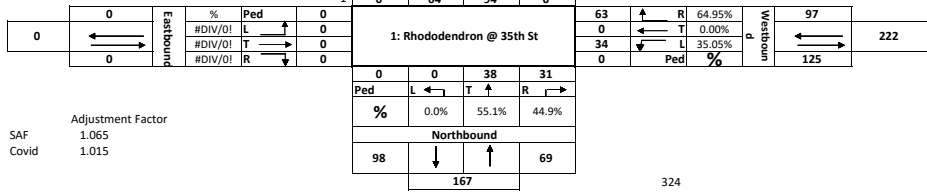
APPENDIX C: TRAFFIC VOLUMES

Intersection: **1: Rhododendron @ 35th St** City: **Veneta, OR**  
 Counter: **Quality Counts** Date: **Wednesday, February 23, 2022**

Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians				
	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB	
7:00	7:15	0	4	10	14	12	0	4	16	2	3	0	5	0	0	0	0	35		0	0	0	0
7:15	7:30	0	8	16	24	9	0	4	13	2	7	0	9	0	0	0	0	46		0	0	0	0
7:30	7:45	0	14	19	33	12	0	3	15	5	2	0	7	0	0	0	0	55		0	0	0	0
7:45	8:00	0	15	19	34	14	0	6	20	7	8	0	15	0	0	0	0	69	205	0	0	0	0
8:00	8:15	0	12	9	21	17	0	8	25	2	5	0	7	0	0	0	0	53	223	0	0	0	0
8:15	8:30	0	10	22	32	12	0	8	20	5	11	0	16	0	0	0	0	68	245	0	0	0	0
8:30	8:45	0	15	28	43	16	0	7	23	11	8	0	19	0	0	0	0	85	275	0	0	0	0
8:45	9:00	0	22	28	50	13	0	9	22	11	11	0	22	0	0	0	0	94	300	0	0	0	0
9:00	9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
9:15	9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
9:30	9:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
9:45	10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
Count Period Total		0	100	151		105	0	49		45	55	0		0	0	0		505		0	0	0	0

PM Peak Hour Count Summary																						
Peak Volumes	Southbound				Westbound				Northbound				Eastbound				Approach	Hourly Volume	Pedestrians			
	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach			SB	WB	NB	EB
	0	59	87	146	58	0	32	90	29	35	0	64	0	0	0	0	300		0	0	0	0
PHF	0.00	0.67	0.78	0.73	0.85	0.00	0.89	0.90	0.66	0.80	0.00	0.73	0.00	0.00	0.00	0.00	0.80					
Trucks	0	8	12		4	0	4		0	0	0		0	0	0							
% Trucks	0%	14%	14%		7%	0%	13%		0%	0%	0%		0%	0%	0%							

Seasonally Adjusted Peak Hour



Adjustment Factor  
 SAF 1.065  
 Covid 1.015

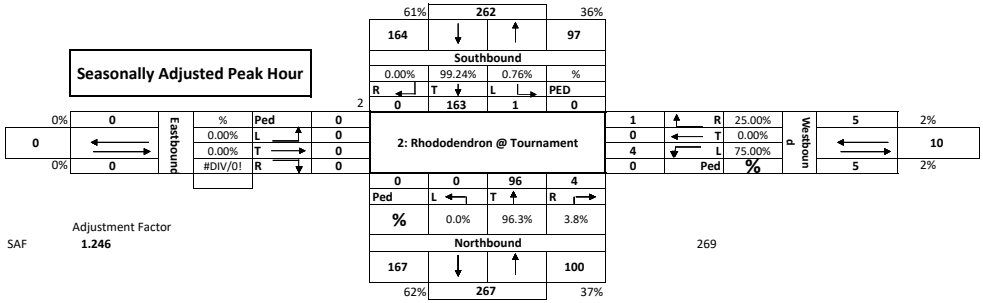








**Seasonally Adjusted Peak Hour**



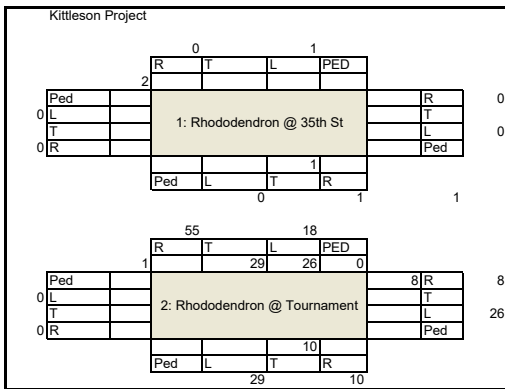
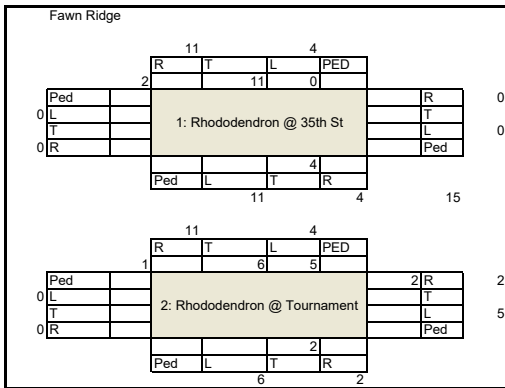
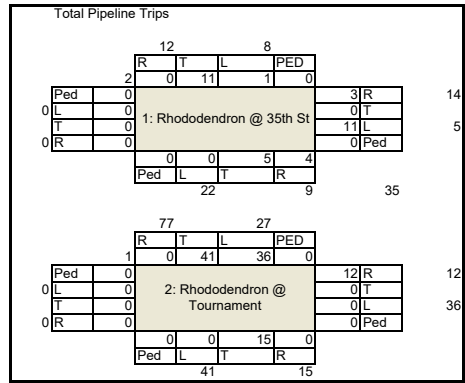
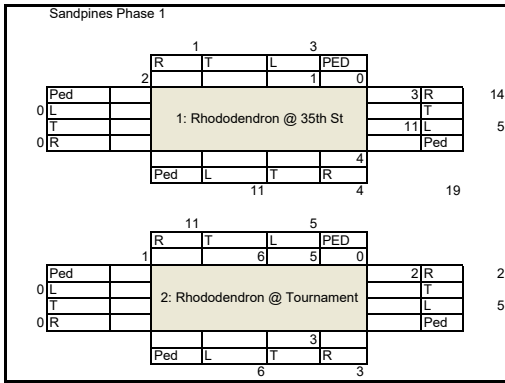


## Global Peak Hour

Intersections					
	1: Rhododendron @ 35th St	2: Rhododendron @ Tournament			
Time Period	Volume	Volume	Volume	Volume	Total
7:00 AM 8:00 AM	205	135			340
7:15 AM 8:15 AM	223	184			407
7:30 AM 8:30 AM	245	215			460
7:45 AM 8:45 AM	275	229			504
8:00 AM 9:00 AM	300	216	0		516
	275	229	0	0	516

Peak Hour 8:00 AM  
 8:15 AM  
 8:30 AM  
 8:45 AM







Intersection: **1: Rhododendron Dr @ 35 St** City: **Florence, OR**  
 Counter: **Quality Counts** Date: **Thursday, August 27, 2020**

Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians			
	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB
16:00 - 16:15	0	18	20	38	33	0	11	44	17	18	0	35	0	0	0	0	117	0	0	0	0	
16:15 - 16:30	0	17	30	47	28	0	5	33	13	14	0	27	0	0	0	0	107	0	0	0	0	
16:30 - 16:45	0	17	18	35	32	0	14	46	13	16	0	29	0	0	0	0	110	0	0	0	0	
16:45 - 17:00	0	10	20	30	37	0	8	45	5	17	0	22	0	0	0	0	97	0	0	0	0	
17:00 - 17:15	0	16	17	33	33	0	10	43	7	18	0	25	0	0	0	0	101	0	0	0	0	
17:15 - 17:30	0	18	18	36	26	0	8	34	5	18	0	23	0	0	0	0	93	0	0	0	0	
17:30 - 17:45	0	6	9	15	24	0	5	29	2	7	0	9	0	0	0	0	53	0	0	0	0	
17:45 - 18:00	0	18	14	32	22	0	0	22	4	7	0	11	0	0	0	0	65	0	0	0	0	
18:00 - 18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18:15 - 18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18:30 - 18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18:45 - 19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Count Period Total</b>	<b>0</b>	<b>120</b>	<b>146</b>		<b>235</b>	<b>0</b>	<b>61</b>		<b>66</b>	<b>115</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>743</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

PM Peak Hour Count Summary																							
Peak Volumes	Southbound				Westbound				Northbound				Eastbound				Approach	15 Minute Volume	Hourly Volume	Pedestrians			
	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach				SB	WB	NB	EB
	0	62	88	150	130	0	38	168	48	65	0	113	0	0	0	0	431	0	0	0	0		
PHF	0.00	0.86	0.73	0.80	0.88	0.00	0.68	0.91	0.71	0.90	0.00	0.81	0.00	0.00	0.00	0.00	0.92						
Trucks	0	0	20		4	0	8		8	4	0		0	0	0								
% Trucks	0%	0%	23%		3%	0%	21%		17%	6%	0%		0%	0%	0%								



1: Rhododendron Dr @ 35 St

Pedestrians and Cars

Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left		
4:00 PM			18	20		33		11		17	18						117	
4:15 PM			17	30		28		5		13	14						107	
4:30 PM			17	18		32		14		13	16						110	
4:45 PM			10	20		37		8		5	17						97	431
5:00 PM			16	17		33		10		7	18						101	415
5:15 PM			18	18		26		8		5	18						93	401
5:30 PM			6	9		24		5		2	7						53	344
5:45 PM			18	14		22		0		4	7						65	312
6:00 PM																	0	211
6:15 PM																	0	118
6:30 PM																	0	65
6:45 PM																	0	0
<b>Total</b>	0	0	120	146	0	235	0	61	0	0	66	115	0	0	0	0	401	1247
<b>Peak Hour</b>	0	0	61	73	0	128	0	40	0	0	30	69	0	0	0	0	401	1247

Trucks

Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left			
4:00 PM																	0	
4:15 PM																	0	
4:30 PM																	0	
4:45 PM																	0	0
5:00 PM																	0	0
5:15 PM																	0	0
5:30 PM																	0	0
5:45 PM																	0	0
6:00 PM																	0	0
6:15 PM																	0	0
6:30 PM																	0	0
6:45 PM																	0	0
<b>Total</b>	0	0	0		0	0	0		0	0	0	0	0	0	0		0	0
<b>Peak Hour</b>	0	0	0		0	0	0		0	0	0	0	0	0	0		0	0

Bikes

Time Period	Southbound			Westbound			Northbound			Eastbound			SB	WB	NB	EB
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left				
4:00 PM													0	0	0	0
4:15 PM													0	0	0	0
4:30 PM													0	0	0	0
4:45 PM													0	0	0	0
5:00 PM													0	0	0	0
5:15 PM													0	0	0	0
5:30 PM													0	0	0	0
5:45 PM													0	0	0	0
6:00 PM													0	0	0	0
6:15 PM													0	0	0	0
6:30 PM													0	0	0	0
6:45 PM													0	0	0	0
<b>Total</b>	0	0	0		0	0	0		0	0	0		0	0	0	0
<b>Peak Hour</b>	0	0	0		0	0	0		0	0	0		0	0	0	0

Pedestrians

Time Period	NE			NW			SW			SE			SB	WB	NB	EB
	Left	Right	Total	Left	Right	Total	Left	Right	Total	Left	Right	Total				
4:00 PM			0			0			0			0	0	0	0	0
4:15 PM			0			0			0			0	0	0	0	0
4:30 PM			0			0			0			0	0	0	0	0
4:45 PM			0			0			0			0	0	0	0	0
5:00 PM			0			0			0			0	0	0	0	0
5:15 PM			0			0			0			0	0	0	0	0
5:30 PM			0			0			0			0	0	0	0	0
5:45 PM			0			0			0			0	0	0	0	0
6:00 PM			0			0			0			0	0	0	0	0
6:15 PM			0			0			0			0	0	0	0	0
6:30 PM			0			0			0			0	0	0	0	0
6:45 PM			0			0			0			0	0	0	0	0
<b>Total</b>	0	0	0		0	0		0	0		0	0	0	0	0	0
<b>Peak Hour</b>	0	0	0		0	0		0	0		0	0	0	0	0	0



Intersection:		2: Rhododendron Dr @ Site Entrance								City: Florence, OR													
Counter:		Sandow Engineering								Date: Friday, October 21, 2022													
Total of All Vehicles																							
Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians				
	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB	
16:00	16:15	0	28	0	28	0	0	6	6	2	42	0	44	0	0	0	0	78	261	0	0	0	0
16:15	16:30	0	28	0	28	0	0	2	2	2	34	0	36	0	0	0	0	66	277	0	0	0	0
16:30	16:45	0	26	0	26	0	0	4	4	2	40	0	42	0	0	0	0	72	258	0	1	0	1
16:45	17:00	0	26	0	26	0	0	0	0	3	37	0	40	0	0	0	0	66	246	0	0	0	0
17:00	17:15	0	21	0	21	0	0	1	1	0	35	0	35	0	0	0	0	57	261	0	0	0	0
17:15	17:30	0	22	0	22	4	0	3	7	2	51	0	53	0	0	0	0	82	277	0	0	0	0
17:30	17:45	0	18	0	18	1	0	0	1	1	33	0	34	0	0	0	0	53	258	0	1	0	0
17:45	18:00	0	21	2	23	0	0	0	0	0	31	0	31	0	0	0	0	54	246	0	0	0	0
18:00	18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	0	0	0	0
18:15	18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	0	0	0	0
18:30	18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	0	0	0	0
18:45	19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	0	0	0	0
Count Period Total		0	190	2	192	5	0	16	21	12	303	0	315	0	0	0	0	528	2460	0	1	0	1
PM Peak Hour Count Summary																							
Peak Volumes	Southbound				Westbound				Northbound				Eastbound				Approach	15 Minute Volume	Hourly Volume	Pedestrians			
	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach	Right	Thru	Left	Approach				SB	WB	NB	EB
	0	108	0	108	0	0	12	12	9	153	0	162	0	0	0	0	0	282	2460	0	0	0	0
PHF	0.00	0.96	0.00	0.96	0.00	0.00	0.50	0.50	0.75	0.91	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.90	2460	0	0	0	0
Trucks	0	1	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	1	2460	0	0	0	0
% Trucks	0%	1%	0%	1%	0%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.4%	2460	0	0	0	0





## Global Peak Hour

Intersections					
		1: Rhododendron Dr @ 35 St	2: Rhododendron Dr @ Site Entrance		
Time Period		Volume	Volume		
4:00 PM	5:00 PM	431	282		
4:15 PM	5:15 PM	415	261		
4:30 PM	5:30 PM	401	277		
4:45 PM	5:45 PM	344	258		
5:00 PM	6:00 PM	312	246		
		431	282		

Peak Hour 4:00 PM  
 4:15 PM  
 4:30 PM  
 4:45 PM

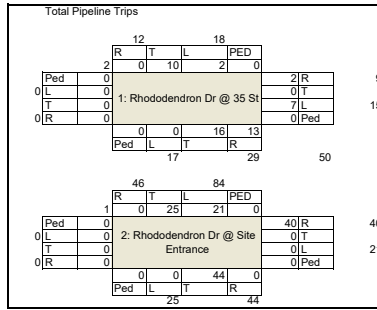
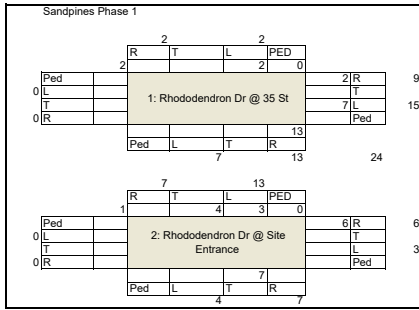


Total
<b>713</b>
676
678
602
558
713

2021 Base		2021 with pipeline trips																																																																																	
<p>2021</p> <table border="1"> <tr><td>R</td><td>T</td><td>L</td><td>PED</td></tr> <tr><td>0</td><td>147</td><td>0</td><td>0</td></tr> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>2: Rhododendron Dr @ Site Entrance</p> <table border="1"> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table>		R	T	L	PED	0	147	0	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0	<p>2021 with pipeline trips</p> <table border="1"> <tr><td>R</td><td>T</td><td>L</td><td>PED</td></tr> <tr><td>0</td><td>158</td><td>1</td><td>0</td></tr> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>2: Rhododendron Dr @ Site Entrance</p> <table border="1"> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table>		R	T	L	PED	0	158	1	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0
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<p>2022</p> <table border="1"> <tr><td>R</td><td>T</td><td>L</td><td>PED</td></tr> <tr><td>0</td><td>163</td><td>1</td><td>0</td></tr> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>2: Rhododendron Dr @ Site Entrance</p> <table border="1"> <tr><td>Ped</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>L</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>T</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>R</td><td>0</td><td>0</td><td>0</td></tr> </table>		R	T	L	PED	0	163	1	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0	Ped	0	0	0	L	0	0	0	T	0	0	0	R	0	0	0	<p>164 213</p> <p>30 17</p> <p>210 16</p> <p>189 226</p>	
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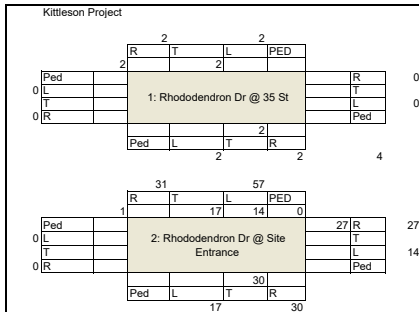
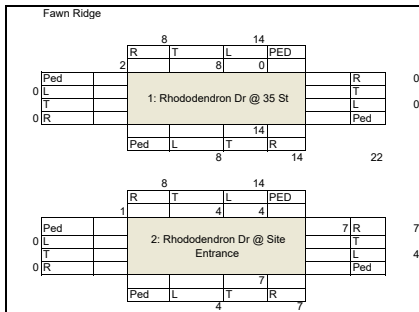


Sandpines Phase 1  
 40 lots approved  
 18 completed  
 22

Fawn  
 20

24 total  
 15 in  
 9 out

22 total  
 14 in  
 8 out



SEASONAL TREND TABLE (Updated: 7/20/2021) <sup>1</sup>																										Seasonal	
TREND	1-Jan	15-Jan	1-Feb	15-Feb	1-Mar	15-Mar	1-Apr	15-Apr	1-May	15-May	1-Jun	15-Jun	1-Jul	15-Jul	1-Aug	15-Aug	1-Sep	15-Sep	1-Oct	15-Oct	1-Nov	15-Nov	1-Dec	15-Dec	1-Dec	15-Dec	Trend Peak
INTERSTATE URBANIZED	1.0672	1.0684	1.0922	1.1160	1.0605	1.0050	0.9923	0.9796	0.9781	0.9767	0.9615	0.9463	0.9517	0.9571	0.9551	0.9531	0.9674	0.9816	0.9850	0.9884	1.0045	1.0206	1.0322	1.0438	0.9463	1.0438	0.9463
INTERSTATE NONURBANIZED	1.2426	1.2883	1.3750	1.4616	1.2645	1.0673	1.0382	1.0092	0.9798	0.9504	0.9005	0.8506	0.8322	0.8139	0.8221	0.8302	0.8719	0.9135	0.9441	0.9747	1.0178	1.0608	1.1123	1.1638	0.8139	1.1638	0.8139
COMMUTER	1.0850	1.0875	1.1183	1.1492	1.0880	1.0268	1.0014	0.9759	0.9705	0.9650	0.9503	0.9355	0.9470	0.9585	0.9509	0.9433	0.9528	0.9623	0.9614	0.9604	0.9938	1.0272	1.0474	1.0676	0.9355	1.0676	0.9355
COASTAL DESTINATION	1.1885	1.1712	1.2001	1.2289	1.1242	1.0194	1.0316	1.0437	1.0080	0.9723	0.9347	0.8972	0.8612	0.8252	0.8205	0.8159	0.8686	0.9214	0.9689	1.0164	1.0660	1.1156	1.1580	1.2005	0.8159	1.2005	0.8159
COASTAL DESTINATION ROUTE	1.3445	1.3248	1.4108	1.4968	1.2858	1.0747	1.0911	1.1076	1.0274	0.9473	0.8941	0.8409	0.7820	0.7231	0.7218	0.7205	0.8016	0.8827	0.9669	1.0511	1.1133	1.1754	1.2480	1.3206	0.7205	1.3206	0.7205
AGRICULTURE	1.4583	1.4827	1.5763	1.6700	1.4596	1.2492	1.1487	1.0482	0.9747	0.9011	0.8579	0.8146	0.8058	0.7970	0.7922	0.7772	0.7772	0.7670	0.8288	0.8905	0.9947	1.0989	1.2462	1.3934	0.7670	1.3934	0.7670
RECREATIONAL SUMMER	1.5848	1.6474	1.7861	1.9247	1.6595	1.3942	1.2973	1.2004	1.0517	0.9029	0.8256	0.7484	0.7018	0.6552	0.6708	0.6864	0.7393	0.7922	0.8898	0.9874	1.1242	1.2610	1.3965	1.5320	0.6552	1.5320	0.6552
RECREATIONAL SUMMER WINTER	0.8736	0.8525	0.9330	1.0135	0.7146	1.0158	1.1492	1.2825	1.1763	1.0700	0.9760	0.8821	0.8005	0.7190	0.7305	0.7420	0.8897	1.0374	1.2010	1.3645	1.5212	1.6778	1.8112	1.0847	1.7190	1.0847	0.7190
RECREATIONAL WINTER	0.6997	0.6389	0.6561	0.6733	0.7219	0.7704	1.0580	1.3455	1.3746	1.4058	1.2832	1.1625	0.9985	0.8344	0.8600	0.8857	1.0560	1.2262	1.4100	1.5937	1.8758	2.1580	1.5328	0.9076	0.6389	0.9076	0.6389
SUMMER	1.2151	1.2357	1.3129	1.3901	1.2520	1.1139	1.0620	1.0100	0.9718	0.9336	0.8976	0.8615	0.8457	0.8299	0.8354	0.8410	0.8743	0.9077	0.9357	0.9636	1.0273	1.0908	1.1322	1.1737	0.8299	1.1737	0.8299
SUMMER < 2500	1.3035	1.3186	1.3817	1.4448	1.2869	1.1289	1.0598	0.9906	0.9480	0.9053	0.8720	0.8387	0.8237	0.8086	0.8229	0.8373	0.8616	0.8859	0.9233	0.9607	1.0428	1.1249	1.2016	1.2783	0.8086	1.2783	0.8086

\* Seasonal Trend Table factors are based on previous year ATR data. The table is updated yearly.  
 \* Grey shading indicates months were seasonal factor is greater than or less than 30%  
 \* February 2019 snow event causing lower seasonal factors

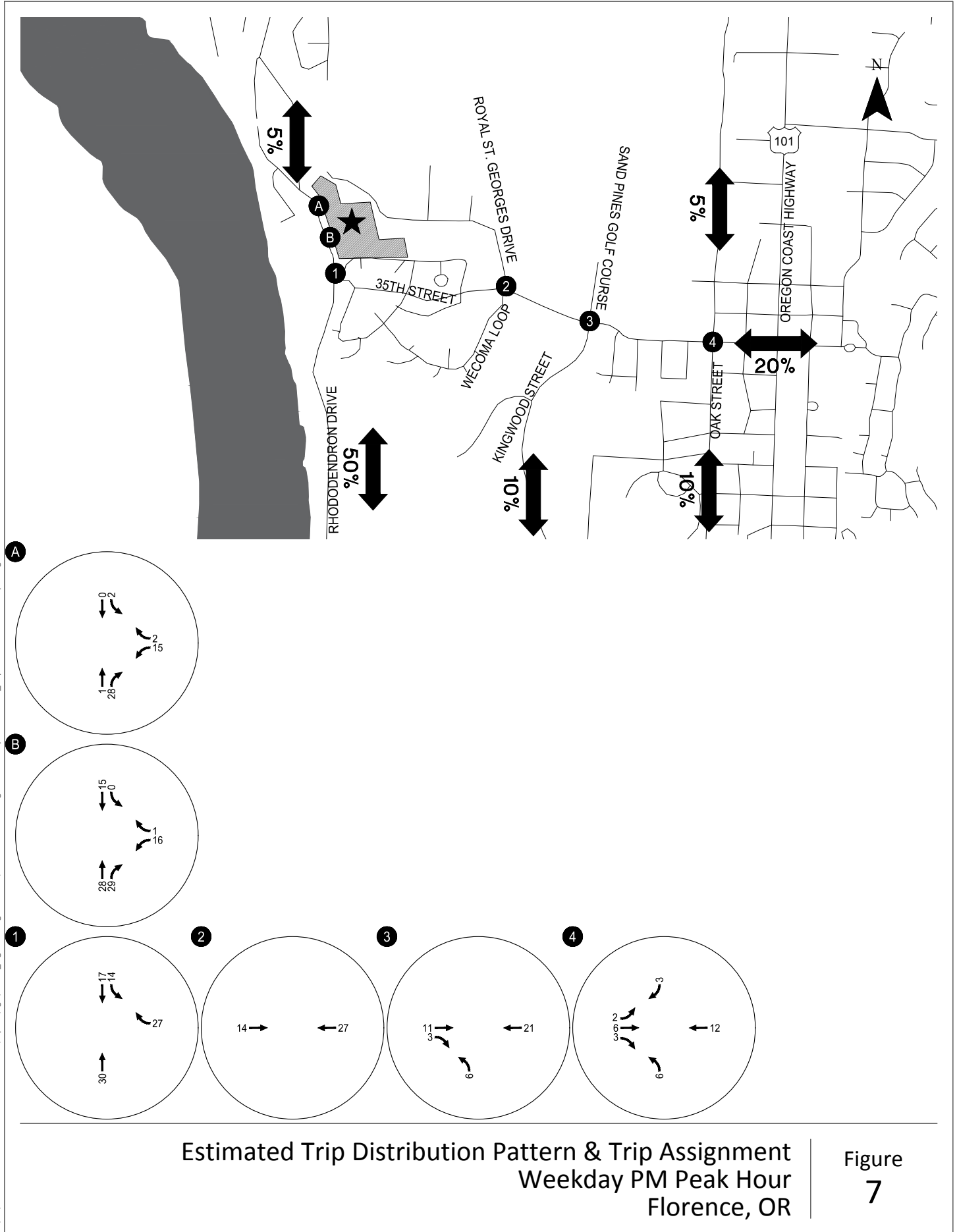
<sup>1</sup>Seasonal Trend Table: The 2020 table is based on 2019 values due to the irregularity caused by the Covid epidemic shutdown during the 2020 count year.

15-Oct Peak  
 Coastal Dest 1.0164 0.8159 1.245804  
  
 1.245804  
  
 1-Sep Peak  
 Coastal Dest 0.8686 0.8159 1.064644  
  
 1.064644





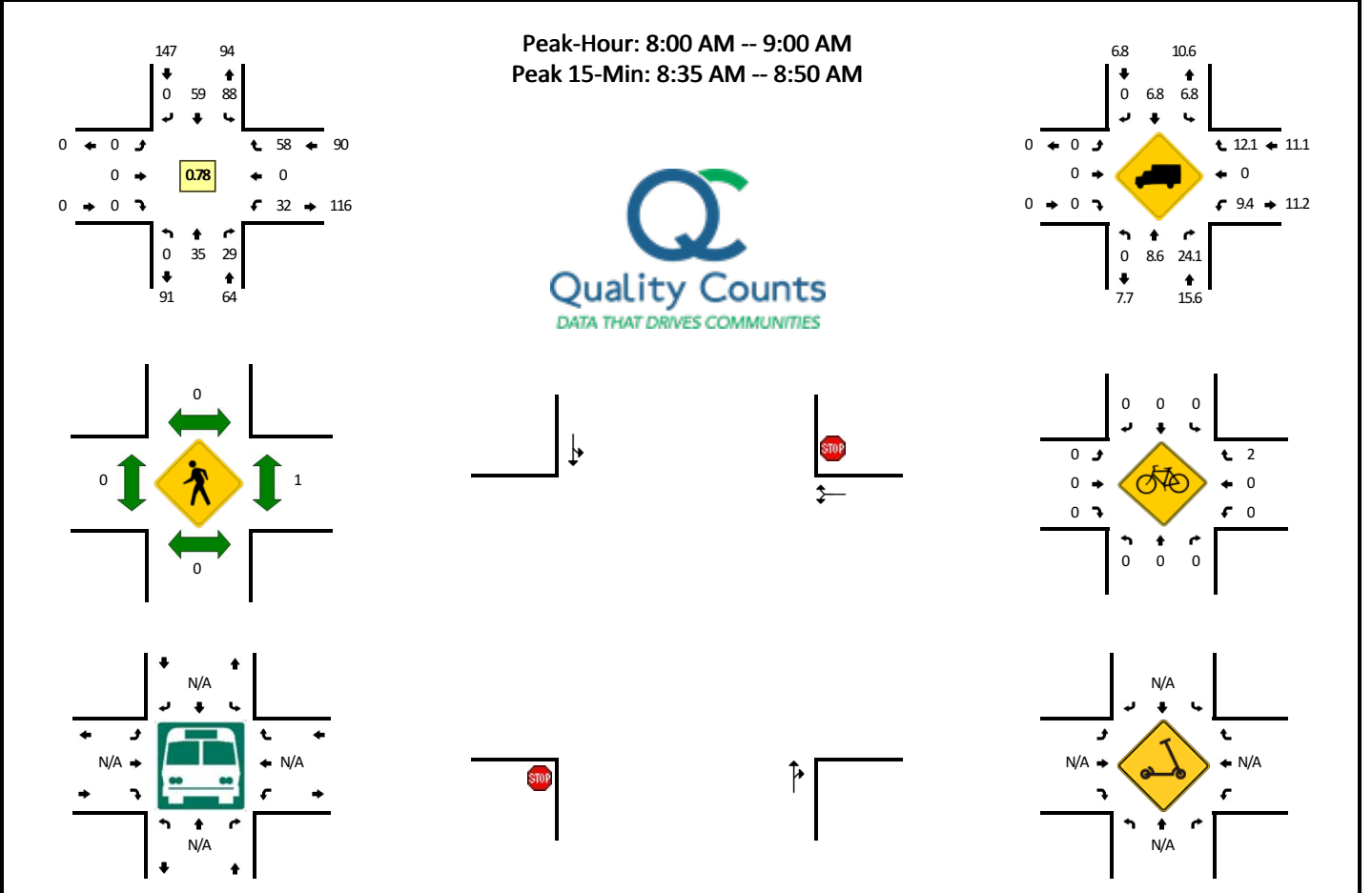
H:\2\24714 - Florence Residential Subdivision\report\figs\24714\_Figures.dwg Feb 11, 2020 - 8:56am - agriffiths Layout Tab: AM Trip Distribution and Trip Assignment



H:\2\24714 - Florence Residential Subdivision\report\figs\24714\_Figures.dwg Feb 11, 2020 - 8:56am - agriffiths Layout Tab: PM\_Trip Distribution and Trip Assignment

**LOCATION:** Rhododendron Dr -- 35th St  
**CITY/STATE:** Florence, OR

**QC JOB #:** 15273704  
**DATE:** Thu, Aug 27 2020



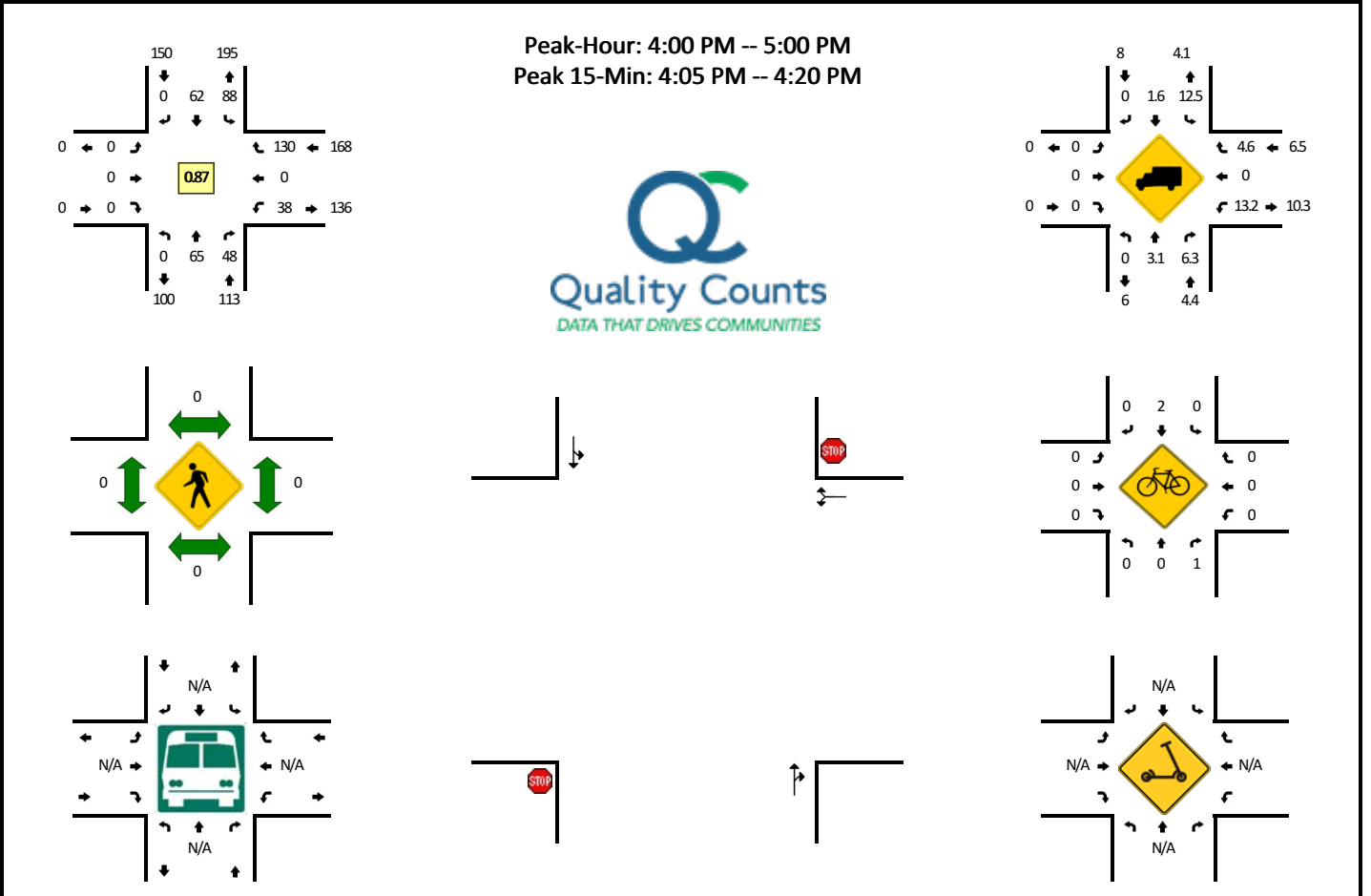
5-Min Count Period Beginning At	Rhododendron Dr (Northbound)				Rhododendron Dr (Southbound)				35th St (Eastbound)				35th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	0	2	1	0	3	1	0	0	0	0	0	0	1	0	7	0	15	
7:05 AM	0	0	1	0	4	1	0	0	0	0	0	0	2	0	1	0	9	
7:10 AM	0	1	0	0	3	2	0	0	0	0	0	0	1	0	4	0	11	
7:15 AM	0	2	0	0	8	2	0	0	0	0	0	0	3	0	2	0	17	
7:20 AM	0	1	2	0	1	2	0	0	0	0	0	0	1	0	4	0	11	
7:25 AM	0	4	0	0	7	4	0	0	0	0	0	0	0	0	3	0	18	
7:30 AM	0	0	1	0	2	2	0	0	0	0	0	0	2	0	3	0	10	
7:35 AM	0	1	3	0	8	6	0	0	0	0	0	0	1	0	6	0	25	
7:40 AM	0	1	1	0	9	6	0	0	0	0	0	0	0	0	3	0	20	
7:45 AM	0	2	2	0	4	6	0	0	0	0	0	0	4	0	5	0	23	
7:50 AM	0	2	2	0	9	3	0	0	0	0	0	0	1	0	6	0	23	
7:55 AM	0	4	3	0	6	6	0	0	0	0	0	0	1	0	3	0	23	205
8:00 AM	0	1	1	0	3	1	0	0	0	0	0	0	3	0	5	0	14	204
8:05 AM	0	2	0	0	3	4	0	0	0	0	0	0	2	0	6	0	17	212
8:10 AM	0	2	1	0	3	7	0	0	0	0	0	0	3	0	6	0	22	223
8:15 AM	0	3	3	0	11	4	0	0	0	0	0	0	2	0	3	0	26	232
8:20 AM	0	3	1	0	3	2	0	0	0	0	0	0	4	0	2	0	15	236
8:25 AM	0	5	1	0	8	4	0	1	0	0	0	0	2	0	7	0	28	246
8:30 AM	0	3	5	0	3	2	0	0	0	0	0	0	3	0	4	0	20	256
8:35 AM	0	2	3	0	17	5	0	0	0	0	0	0	1	0	9	0	37	268
8:40 AM	0	3	3	0	8	8	0	0	0	0	0	0	3	0	3	0	28	276
8:45 AM	0	2	3	0	11	9	0	0	0	0	0	0	4	0	3	0	32	285
8:50 AM	0	3	3	0	8	9	0	0	0	0	0	0	2	0	5	0	30	292
8:55 AM	0	6	5	0	9	4	0	0	0	0	0	0	3	0	5	0	32	301
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	28	36	0	144	88	0	0	0	0	0	0	32	0	60	0	388	
Heavy Trucks	0	0	0	0	12	8	0	0	0	0	0	0	4	0	4	0	28	
Buses																		
Pedestrians		0				0				0				0			0	
Bicycles	0	0	0		0	0	0			0	0	0	0	0	0		0	
Scoters																		

*Comments:*



**LOCATION:** Rhododendron Dr -- 35th St  
**CITY/STATE:** Florence, OR

**QC JOB #:** 15273705  
**DATE:** Thu, Aug 27 2020



5-Min Count Period Beginning At	Rhododendron Dr (Northbound)				Rhododendron Dr (Southbound)				35th St (Eastbound)				35th St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	6	11	0	6	4	0	0	0	0	0	0	1	0	9	0	37	
4:05 PM	0	6	3	0	8	9	0	0	0	0	0	0	6	0	13	0	45	
4:10 PM	0	6	3	0	6	5	0	0	0	0	0	0	4	0	11	0	35	
4:15 PM	0	7	3	0	12	9	0	0	0	0	0	0	1	0	12	0	44	
4:20 PM	0	2	2	0	11	6	0	0	0	0	0	0	2	0	11	0	34	
4:25 PM	0	5	8	0	7	2	0	0	0	0	0	0	2	0	5	0	29	
4:30 PM	0	4	2	0	5	4	0	0	0	0	0	0	6	0	9	0	30	
4:35 PM	0	5	8	0	8	7	0	0	0	0	0	0	4	0	15	0	47	
4:40 PM	0	7	3	0	5	6	0	0	0	0	0	0	4	0	8	0	33	
4:45 PM	0	4	2	0	7	6	0	0	0	0	0	0	3	0	9	0	31	
4:50 PM	0	3	3	0	8	4	0	0	0	0	0	0	3	0	12	0	33	
4:55 PM	0	10	0	0	5	0	0	0	0	0	0	0	2	0	16	0	33	431
5:00 PM	0	8	2	0	7	1	0	0	0	0	0	0	4	0	8	0	30	424
5:05 PM	0	3	3	0	5	5	0	0	0	0	0	0	2	0	12	0	30	409
5:10 PM	0	7	2	0	5	10	0	0	0	0	0	0	4	0	13	0	41	415
5:15 PM	0	7	2	0	9	9	0	0	0	0	0	0	0	0	8	0	35	406
5:20 PM	0	5	1	0	2	4	0	0	0	0	0	0	5	0	10	0	27	399
5:25 PM	0	6	2	0	7	5	0	0	0	0	0	0	3	0	8	0	31	401
5:30 PM	0	1	0	0	4	2	0	0	0	0	0	0	4	0	5	0	16	387
5:35 PM	0	4	0	0	5	1	0	0	0	0	0	0	0	0	10	0	20	360
5:40 PM	0	2	2	0	0	3	0	0	0	0	0	0	1	0	9	0	17	344
5:45 PM	0	3	3	0	4	5	0	0	0	0	0	0	0	0	5	0	20	333
5:50 PM	0	3	1	0	5	8	0	0	0	0	0	0	0	0	9	0	26	326
5:55 PM	0	1	0	0	5	5	0	0	0	0	0	0	0	0	8	0	19	312
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	76	36	0	104	92	0	0	0	0	0	0	44	0	144	0	496	
Heavy Trucks	0	4	8		20	0	0			0	0	0	8	0	4		44	
Buses																		
Pedestrians		0				0					0			0			0	
Bicycles	0	0	0		0	8	0			0	0	0	0	0	0		8	
Scoters																		

Comments:

Fairway Estates

HCM 6th TWSC  
3: Rhododendron & tournament

01/05/2022

Intersection						
Int Delay, s/veh	0.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	W		T			T
Traffic Vol, veh/h	15	4	102	8	2	174
Future Vol, veh/h	15	4	102	8	2	174
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	4	0	4	0
Mvmt Flow	17	4	113	9	2	193

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	315	118	0	0	122	0
Stage 1	118	-	-	-	-	-
Stage 2	197	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.14	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.236	-
Pot Cap-1 Maneuver	682	939	-	-	1453	-
Stage 1	912	-	-	-	-	-
Stage 2	841	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	681	939	-	-	1453	-
Mov Cap-2 Maneuver	681	-	-	-	-	-
Stage 1	912	-	-	-	-	-
Stage 2	839	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.1	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	723	1453
HCM Lane V/C Ratio	-	-	0.029	0.002
HCM Control Delay (s)	-	-	10.1	7.5
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	0

Intersection						
Int Delay, s/veh	5.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	34	75	53	31	136	108
Future Vol, veh/h	34	75	53	31	136	108
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	13	7	0	0	14	14
Mvmt Flow	43	94	66	39	170	135

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	561	86	0	0	105
Stage 1	86	-	-	-	-
Stage 2	475	-	-	-	-
Critical Hdwy	6.53	6.27	-	-	4.24
Critical Hdwy Stg 1	5.53	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-
Follow-up Hdwy	3.617	3.363	-	-	2.326
Pot Cap-1 Maneuver	471	959	-	-	1415
Stage 1	910	-	-	-	-
Stage 2	603	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	410	959	-	-	1415
Mov Cap-2 Maneuver	410	-	-	-	-
Stage 1	910	-	-	-	-
Stage 2	525	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.7	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	676	1415
HCM Lane V/C Ratio	-	-	0.202	0.12
HCM Control Delay (s)	-	-	11.7	7.9
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.7	0.4

HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	0.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	3	204	15	1	158
Future Vol, veh/h	26	3	204	15	1	158
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	17	0	0	0	0	1
Mvmt Flow	29	3	227	17	1	176

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	414	236	0	0	244
Stage 1	236	-	-	-	-
Stage 2	178	-	-	-	-
Critical Hdwy	6.57	6.2	-	-	4.1
Critical Hdwy Stg 1	5.57	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-
Follow-up Hdwy	3.653	3.3	-	-	2.2
Pot Cap-1 Maneuver	567	808	-	-	1334
Stage 1	769	-	-	-	-
Stage 2	818	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	566	808	-	-	1334
Mov Cap-2 Maneuver	566	-	-	-	-
Stage 1	769	-	-	-	-
Stage 2	817	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.5	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	584	1334
HCM Lane V/C Ratio	-	-	0.055	0.001
HCM Control Delay (s)	-	-	11.5	7.7
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	41	152	85	52	131	108
Future Vol, veh/h	41	152	85	52	131	108
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	21	3	6	17	23	0
Mvmt Flow	45	165	92	57	142	117

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	522	121	0	0	149
Stage 1	121	-	-	-	-
Stage 2	401	-	-	-	-
Critical Hdwy	6.61	6.23	-	-	4.33
Critical Hdwy Stg 1	5.61	-	-	-	-
Critical Hdwy Stg 2	5.61	-	-	-	-
Follow-up Hdwy	3.689	3.327	-	-	2.407
Pot Cap-1 Maneuver	483	928	-	-	1314
Stage 1	859	-	-	-	-
Stage 2	637	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	427	928	-	-	1314
Mov Cap-2 Maneuver	427	-	-	-	-
Stage 1	859	-	-	-	-
Stage 2	563	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.7	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	743	1314
HCM Lane V/C Ratio	-	-	0.282	0.108
HCM Control Delay (s)	-	-	11.7	8.1
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.2	0.4

HCM 6th TWSC  
3: Rhododendron & tournament

01/05/2022

Intersection						
Int Delay, s/veh	0.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	15	4	105	8	2	179
Future Vol, veh/h	15	4	105	8	2	179
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	4	0	4	0
Mvmt Flow	17	4	117	9	2	199

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	325	122	0	0	126	0
Stage 1	122	-	-	-	-	-
Stage 2	203	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.14	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.236	-
Pot Cap-1 Maneuver	673	935	-	-	1448	-
Stage 1	908	-	-	-	-	-
Stage 2	836	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	672	935	-	-	1448	-
Mov Cap-2 Maneuver	672	-	-	-	-	-
Stage 1	908	-	-	-	-	-
Stage 2	834	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.2	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	714	1448
HCM Lane V/C Ratio	-	-	0.03	0.002
HCM Control Delay (s)	-	-	10.2	7.5
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	0

Intersection						
Int Delay, s/veh	5.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		T			T
Traffic Vol, veh/h	35	77	55	32	140	111
Future Vol, veh/h	35	77	55	32	140	111
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	13	7	0	0	14	14
Mvmt Flow	44	96	69	40	175	139

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	578	89	0	0	109
Stage 1	89	-	-	-	-
Stage 2	489	-	-	-	-
Critical Hdwy	6.53	6.27	-	-	4.24
Critical Hdwy Stg 1	5.53	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-
Follow-up Hdwy	3.617	3.363	-	-	2.326
Pot Cap-1 Maneuver	460	955	-	-	1410
Stage 1	908	-	-	-	-
Stage 2	594	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	398	955	-	-	1410
Mov Cap-2 Maneuver	398	-	-	-	-
Stage 1	908	-	-	-	-
Stage 2	514	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.9	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	664	1410
HCM Lane V/C Ratio	-	-	0.211	0.124
HCM Control Delay (s)	-	-	11.9	7.9
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.8	0.4



HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	0.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	27	3	210	16	1	163
Future Vol, veh/h	27	3	210	16	1	163
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	17	0	0	0	0	1
Mvmt Flow	30	3	233	18	1	181

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	425	242	0	0	251
Stage 1	242	-	-	-	-
Stage 2	183	-	-	-	-
Critical Hdwy	6.57	6.2	-	-	4.1
Critical Hdwy Stg 1	5.57	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-
Follow-up Hdwy	3.653	3.3	-	-	2.2
Pot Cap-1 Maneuver	559	802	-	-	1326
Stage 1	764	-	-	-	-
Stage 2	814	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	558	802	-	-	1326
Mov Cap-2 Maneuver	558	-	-	-	-
Stage 1	764	-	-	-	-
Stage 2	813	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.6	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	576	1326
HCM Lane V/C Ratio	-	-	0.058	0.001
HCM Control Delay (s)	-	-	11.6	7.7
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.9					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	42	157	88	54	135	111
Future Vol, veh/h	42	157	88	54	135	111
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	21	3	6	17	23	0
Mvmt Flow	46	171	96	59	147	121

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	541	126	0	0	155
Stage 1	126	-	-	-	-
Stage 2	415	-	-	-	-
Critical Hdwy	6.61	6.23	-	-	4.33
Critical Hdwy Stg 1	5.61	-	-	-	-
Critical Hdwy Stg 2	5.61	-	-	-	-
Follow-up Hdwy	3.689	3.327	-	-	2.407
Pot Cap-1 Maneuver	471	922	-	-	1307
Stage 1	855	-	-	-	-
Stage 2	627	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	414	922	-	-	1307
Mov Cap-2 Maneuver	414	-	-	-	-
Stage 1	855	-	-	-	-
Stage 2	551	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	732	1307
HCM Lane V/C Ratio	-	-	0.295	0.112
HCM Control Delay (s)	-	-	12	8.1
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.2	0.4

HCM 6th TWSC  
3: Rhododendron & tournament

01/05/2022

Intersection						
Int Delay, s/veh	1.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	39	5	105	16	3	179
Future Vol, veh/h	39	5	105	16	3	179
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	4	0	4	0
Mvmt Flow	43	6	117	18	3	199

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	331	126	0	0	135
Stage 1	126	-	-	-	-
Stage 2	205	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.14
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.236
Pot Cap-1 Maneuver	668	930	-	-	1437
Stage 1	905	-	-	-	-
Stage 2	834	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	667	930	-	-	1437
Mov Cap-2 Maneuver	667	-	-	-	-
Stage 1	905	-	-	-	-
Stage 2	832	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.6	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	689	1437
HCM Lane V/C Ratio	-	-	0.071	0.002
HCM Control Delay (s)	-	-	10.6	7.5
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	35	81	59	32	152	123
Future Vol, veh/h	35	81	59	32	152	123
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	13	7	0	0	14	14
Mvmt Flow	44	101	74	40	190	154

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	628	94	0	0	114
Stage 1	94	-	-	-	-
Stage 2	534	-	-	-	-
Critical Hdwy	6.53	6.27	-	-	4.24
Critical Hdwy Stg 1	5.53	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-
Follow-up Hdwy	3.617	3.363	-	-	2.326
Pot Cap-1 Maneuver	430	949	-	-	1404
Stage 1	903	-	-	-	-
Stage 2	566	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	366	949	-	-	1404
Mov Cap-2 Maneuver	366	-	-	-	-
Stage 1	903	-	-	-	-
Stage 2	482	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.3	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	641	1404
HCM Lane V/C Ratio	-	-	0.226	0.135
HCM Control Delay (s)	-	-	12.3	8
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.9	0.5

HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	1.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	42	4	210	42	3	163
Future Vol, veh/h	42	4	210	42	3	163
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	17	0	0	0	0	1
Mvmt Flow	47	4	233	47	3	181

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	444	257	0	0	280
Stage 1	257	-	-	-	-
Stage 2	187	-	-	-	-
Critical Hdwy	6.57	6.2	-	-	4.1
Critical Hdwy Stg 1	5.57	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-
Follow-up Hdwy	3.653	3.3	-	-	2.2
Pot Cap-1 Maneuver	544	787	-	-	1294
Stage 1	752	-	-	-	-
Stage 2	810	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	542	787	-	-	1294
Mov Cap-2 Maneuver	542	-	-	-	-
Stage 1	752	-	-	-	-
Stage 2	808	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.1	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	557	1294
HCM Lane V/C Ratio	-	-	0.092	0.003
HCM Control Delay (s)	-	-	12.1	7.8
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.3	0

HCM 6th TWSC  
5: Rhododendron & 35th st

01/06/2022

Intersection						
Int Delay, s/veh	6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	W	W	T	T	T	T
Traffic Vol, veh/h	42	170	101	54	142	119
Future Vol, veh/h	42	170	101	54	142	119
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	21	3	6	17	23	0
Mvmt Flow	46	185	110	59	154	129

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	577	140	0	0	169
Stage 1	140	-	-	-	-
Stage 2	437	-	-	-	-
Critical Hdwy	6.61	6.23	-	-	4.33
Critical Hdwy Stg 1	5.61	-	-	-	-
Critical Hdwy Stg 2	5.61	-	-	-	-
Follow-up Hdwy	3.689	3.327	-	-	2.407
Pot Cap-1 Maneuver	448	905	-	-	1291
Stage 1	842	-	-	-	-
Stage 2	613	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	390	905	-	-	1291
Mov Cap-2 Maneuver	390	-	-	-	-
Stage 1	842	-	-	-	-
Stage 2	534	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.4	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	717	1291
HCM Lane V/C Ratio	-	-	0.321	0.12
HCM Control Delay (s)	-	-	12.4	8.2
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.4	0.4

HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	0.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	16	5	110	8	2	188
Future Vol, veh/h	16	5	110	8	2	188
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	4	0	4	0
Mvmt Flow	18	6	122	9	2	209

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	340	127	0	0	131
Stage 1	127	-	-	-	-
Stage 2	213	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.14
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.236
Pot Cap-1 Maneuver	660	929	-	-	1442
Stage 1	904	-	-	-	-
Stage 2	827	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	659	929	-	-	1442
Mov Cap-2 Maneuver	659	-	-	-	-
Stage 1	904	-	-	-	-
Stage 2	825	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.3	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	708	1442
HCM Lane V/C Ratio	-	-	0.033	0.002
HCM Control Delay (s)	-	-	10.3	7.5
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.1	0

Intersection						
Int Delay, s/veh	5.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	37	81	57	33	147	117
Future Vol, veh/h	37	81	57	33	147	117
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	13	7	0	0	14	14
Mvmt Flow	46	101	71	41	184	146

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	606	92	0	0	112	0
Stage 1	92	-	-	-	-	-
Stage 2	514	-	-	-	-	-
Critical Hdwy	6.53	6.27	-	-	4.24	-
Critical Hdwy Stg 1	5.53	-	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-	-
Follow-up Hdwy	3.617	3.363	-	-	2.326	-
Pot Cap-1 Maneuver	443	952	-	-	1406	-
Stage 1	905	-	-	-	-	-
Stage 2	579	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	380	952	-	-	1406	-
Mov Cap-2 Maneuver	380	-	-	-	-	-
Stage 1	905	-	-	-	-	-
Stage 2	497	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.2	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	647	1406
HCM Lane V/C Ratio	-	-	0.228	0.131
HCM Control Delay (s)	-	-	12.2	7.9
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.9	0.5



HCM 6th TWSC  
 3: Rhododendron & tournament

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Intersection						
Int Delay, s/veh	0.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	28	3	220	16	1	171
Future Vol, veh/h	28	3	220	16	1	171
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	17	0	0	0	0	1
Mvmt Flow	31	3	244	18	1	190

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	445	253	0	0	262
Stage 1	253	-	-	-	-
Stage 2	192	-	-	-	-
Critical Hdwy	6.57	6.2	-	-	4.1
Critical Hdwy Stg 1	5.57	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-
Follow-up Hdwy	3.653	3.3	-	-	2.2
Pot Cap-1 Maneuver	544	791	-	-	1314
Stage 1	755	-	-	-	-
Stage 2	806	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	543	791	-	-	1314
Mov Cap-2 Maneuver	543	-	-	-	-
Stage 1	755	-	-	-	-
Stage 2	805	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.8	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	560	1314
HCM Lane V/C Ratio	-	-	0.062	0.001
HCM Control Delay (s)	-	-	11.8	7.7
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection						
Int Delay, s/veh	6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	44	164	92	56	141	117
Future Vol, veh/h	44	164	92	56	141	117
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	21	3	6	17	23	0
Mvmt Flow	48	178	100	61	153	127

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	564	131	0	0	161	0
Stage 1	131	-	-	-	-	-
Stage 2	433	-	-	-	-	-
Critical Hdwy	6.61	6.23	-	-	4.33	-
Critical Hdwy Stg 1	5.61	-	-	-	-	-
Critical Hdwy Stg 2	5.61	-	-	-	-	-
Follow-up Hdwy	3.689	3.327	-	-	2.407	-
Pot Cap-1 Maneuver	456	916	-	-	1300	-
Stage 1	850	-	-	-	-	-
Stage 2	615	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	398	916	-	-	1300	-
Mov Cap-2 Maneuver	398	-	-	-	-	-
Stage 1	850	-	-	-	-	-
Stage 2	537	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.3	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	718	1300
HCM Lane V/C Ratio	-	-	0.315	0.118
HCM Control Delay (s)	-	-	12.3	8.1
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.3	0.4

HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	1.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		T			T
Traffic Vol, veh/h	40	6	110	16	3	179
Future Vol, veh/h	40	6	110	16	3	179
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	4	0	4	0
Mvmt Flow	44	7	122	18	3	199

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	336	131	0	0	140
Stage 1	131	-	-	-	-
Stage 2	205	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.14
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.236
Pot Cap-1 Maneuver	663	924	-	-	1431
Stage 1	900	-	-	-	-
Stage 2	834	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	662	924	-	-	1431
Mov Cap-2 Maneuver	662	-	-	-	-
Stage 1	900	-	-	-	-
Stage 2	832	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.7	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	687	1431
HCM Lane V/C Ratio	-	-	0.074	0.002
HCM Control Delay (s)	-	-	10.7	7.5
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	37	85	61	33	159	129
Future Vol, veh/h	37	85	61	33	159	129
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	13	7	0	0	14	14
Mvmt Flow	46	106	76	41	199	161

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	656	97	0	0	117	0
Stage 1	97	-	-	-	-	-
Stage 2	559	-	-	-	-	-
Critical Hdwy	6.53	6.27	-	-	4.24	-
Critical Hdwy Stg 1	5.53	-	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-	-
Follow-up Hdwy	3.617	3.363	-	-	2.326	-
Pot Cap-1 Maneuver	413	946	-	-	1400	-
Stage 1	900	-	-	-	-	-
Stage 2	551	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	349	946	-	-	1400	-
Mov Cap-2 Maneuver	349	-	-	-	-	-
Stage 1	900	-	-	-	-	-
Stage 2	465	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.6	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	623	1400
HCM Lane V/C Ratio	-	-	0.245	0.142
HCM Control Delay (s)	-	-	12.6	8
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1	0.5

HCM 6th TWSC  
3: Rhododendron & tournament

01/06/2022

Intersection						
Int Delay, s/veh	1.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		T			T
Traffic Vol, veh/h	43	4	220	42	3	171
Future Vol, veh/h	43	4	220	42	3	171
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	17	0	0	0	0	1
Mvmt Flow	48	4	244	47	3	190

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	464	268	0	0	291
Stage 1	268	-	-	-	-
Stage 2	196	-	-	-	-
Critical Hdwy	6.57	6.2	-	-	4.1
Critical Hdwy Stg 1	5.57	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-
Follow-up Hdwy	3.653	3.3	-	-	2.2
Pot Cap-1 Maneuver	530	776	-	-	1282
Stage 1	744	-	-	-	-
Stage 2	802	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	528	776	-	-	1282
Mov Cap-2 Maneuver	528	-	-	-	-
Stage 1	744	-	-	-	-
Stage 2	800	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.3	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	543	1282
HCM Lane V/C Ratio	-	-	0.096	0.003
HCM Control Delay (s)	-	-	12.3	7.8
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.3	0

Intersection						
Int Delay, s/veh	6.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	44	177	105	56	148	125
Future Vol, veh/h	44	177	105	56	148	125
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	21	3	6	17	23	0
Mvmt Flow	48	192	114	61	161	136

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	603	145	0	0	175	0
Stage 1	145	-	-	-	-	-
Stage 2	458	-	-	-	-	-
Critical Hdwy	6.61	6.23	-	-	4.33	-
Critical Hdwy Stg 1	5.61	-	-	-	-	-
Critical Hdwy Stg 2	5.61	-	-	-	-	-
Follow-up Hdwy	3.689	3.327	-	-	2.407	-
Pot Cap-1 Maneuver	432	900	-	-	1284	-
Stage 1	838	-	-	-	-	-
Stage 2	599	-	-	-	-	-
Platoon blocked, %			-	-	-	-
Mov Cap-1 Maneuver	373	900	-	-	1284	-
Mov Cap-2 Maneuver	373	-	-	-	-	-
Stage 1	838	-	-	-	-	-
Stage 2	518	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.8	0	4.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	702	1284
HCM Lane V/C Ratio	-	-	0.342	0.125
HCM Control Delay (s)	-	-	12.8	8.2
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.5	0.4

Fairway Estates

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Intersection: 3: Rhododendron & tournament, Interval #0

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	30
Average Queue (ft)	15
95th Queue (ft)	40
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

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Intersection: 3: Rhododendron & tournament, Interval #1

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	30
Average Queue (ft)	15
95th Queue (ft)	40
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

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Intersection: 3: Rhododendron & tournament, Interval #2

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Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	39	6
Average Queue (ft)	12	0
95th Queue (ft)	37	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		



Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	39	6
Average Queue (ft)	13	0
95th Queue (ft)	38	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	74	65
Average Queue (ft)	49	32
95th Queue (ft)	77	76
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	78	4	62
Average Queue (ft)	46	1	26
95th Queue (ft)	86	6	64
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

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Intersection: 5: Rhododendron & 35th st, Interval #2

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Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	87	64
Average Queue (ft)	39	11
95th Queue (ft)	67	43
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

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Intersection: 5: Rhododendron & 35th st, All Intervals

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Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	93	4	84
Average Queue (ft)	42	0	17
95th Queue (ft)	73	3	55
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

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Network Summary

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Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	46	6
Average Queue (ft)	24	1
95th Queue (ft)	54	11
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB
Directions Served	LR
Maximum Queue (ft)	54
Average Queue (ft)	20
95th Queue (ft)	56
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB
Directions Served	LR
Maximum Queue (ft)	61
Average Queue (ft)	19
95th Queue (ft)	51
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	63	6
Average Queue (ft)	20	0
95th Queue (ft)	52	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	85	8	75
Average Queue (ft)	58	2	28
95th Queue (ft)	103	15	89
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	86	66
Average Queue (ft)	52	24
95th Queue (ft)	86	69
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	100	4	91
Average Queue (ft)	52	0	23
95th Queue (ft)	84	4	72
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	111	12	112
Average Queue (ft)	53	0	24
95th Queue (ft)	88	6	74
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB
Directions Served	LR
Maximum Queue (ft)	35
Average Queue (ft)	14
95th Queue (ft)	41
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB
Directions Served	LR
Maximum Queue (ft)	30
Average Queue (ft)	11
95th Queue (ft)	34
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	30	6
Average Queue (ft)	15	0
95th Queue (ft)	39	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	35	6
Average Queue (ft)	14	0
95th Queue (ft)	39	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	62	48
Average Queue (ft)	44	24
95th Queue (ft)	73	63
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	75	4	68
Average Queue (ft)	50	1	21
95th Queue (ft)	82	7	67
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	79	69
Average Queue (ft)	39	14
95th Queue (ft)	66	50
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	80	4	78
Average Queue (ft)	42	0	17
95th Queue (ft)	71	3	56
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0



Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB
Directions Served	LR
Maximum Queue (ft)	47
Average Queue (ft)	28
95th Queue (ft)	56
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB
Directions Served	LR
Maximum Queue (ft)	45
Average Queue (ft)	20
95th Queue (ft)	51
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	65	6
Average Queue (ft)	23	0
95th Queue (ft)	53	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	65	6
Average Queue (ft)	23	0
95th Queue (ft)	53	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	109	53
Average Queue (ft)	61	19
95th Queue (ft)	114	55
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	79	4	72
Average Queue (ft)	52	1	29
95th Queue (ft)	79	7	72
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	111	23	90
Average Queue (ft)	56	1	27
95th Queue (ft)	92	12	71
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	126	27	95
Average Queue (ft)	56	1	26
95th Queue (ft)	94	10	69
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

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Intersection: 3: Rhododendron & tournament, Interval #0

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	34
Average Queue (ft)	25
95th Queue (ft)	45
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

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Intersection: 3: Rhododendron & tournament, Interval #1

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	39
Average Queue (ft)	25
95th Queue (ft)	47
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

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Intersection: 3: Rhododendron & tournament, Interval #2

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	44
Average Queue (ft)	22
95th Queue (ft)	46
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB
Directions Served	LR
Maximum Queue (ft)	52
Average Queue (ft)	23
95th Queue (ft)	46
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	62	68
Average Queue (ft)	44	23
95th Queue (ft)	72	74
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	83	108
Average Queue (ft)	49	33
95th Queue (ft)	83	99
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

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Intersection: 5: Rhododendron & 35th st, Interval #2

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Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	85	4	66
Average Queue (ft)	38	0	19
95th Queue (ft)	68	3	57
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

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Intersection: 5: Rhododendron & 35th st, All Intervals

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Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	94	4	111
Average Queue (ft)	41	0	22
95th Queue (ft)	73	3	70
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

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Network Summary

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Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

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Intersection: 3: Rhododendron & tournament, Interval #0

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Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	63	6
Average Queue (ft)	32	1
95th Queue (ft)	71	10
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

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Intersection: 3: Rhododendron & tournament, Interval #1

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Movement	WB
Directions Served	LR
Maximum Queue (ft)	63
Average Queue (ft)	34
95th Queue (ft)	67
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

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Intersection: 3: Rhododendron & tournament, Interval #2

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Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	71	6
Average Queue (ft)	27	0
95th Queue (ft)	61	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	77	12
Average Queue (ft)	29	0
95th Queue (ft)	64	6
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	89	11	56
Average Queue (ft)	59	2	21
95th Queue (ft)	106	20	66
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	88	4	84
Average Queue (ft)	54	1	33
95th Queue (ft)	89	7	84
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			



Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	111	19	90
Average Queue (ft)	53	1	27
95th Queue (ft)	86	12	73
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	115	35	98
Average Queue (ft)	54	1	28
95th Queue (ft)	90	12	75
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	30	10
Average Queue (ft)	14	2
95th Queue (ft)	39	19
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	30	6
Average Queue (ft)	14	0
95th Queue (ft)	38	0
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	35	6
Average Queue (ft)	15	0
95th Queue (ft)	40	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	35	23
Average Queue (ft)	15	0
95th Queue (ft)	40	8
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	76	82
Average Queue (ft)	49	34
95th Queue (ft)	83	90
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	78	8	89
Average Queue (ft)	52	1	31
95th Queue (ft)	84	9	85
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	82	77
Average Queue (ft)	42	13
95th Queue (ft)	73	47
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	91	8	101
Average Queue (ft)	45	0	20
95th Queue (ft)	78	4	65
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	46	6
Average Queue (ft)	28	1
95th Queue (ft)	62	10
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB
Directions Served	LR
Maximum Queue (ft)	62
Average Queue (ft)	28
95th Queue (ft)	66
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB
Directions Served	LR
Maximum Queue (ft)	73
Average Queue (ft)	25
95th Queue (ft)	60
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	79	6
Average Queue (ft)	26	0
95th Queue (ft)	62	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	84	63
Average Queue (ft)	61	36
95th Queue (ft)	96	77
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	110	4	80
Average Queue (ft)	64	1	37
95th Queue (ft)	114	7	84
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	118	4	94
Average Queue (ft)	52	0	24
95th Queue (ft)	91	3	72
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	129	8	99
Average Queue (ft)	56	0	28
95th Queue (ft)	97	4	76
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB
Directions Served	LR
Maximum Queue (ft)	44
Average Queue (ft)	25
95th Queue (ft)	54
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	39	6
Average Queue (ft)	26	1
95th Queue (ft)	45	9
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	47	6
Average Queue (ft)	23	0
95th Queue (ft)	49	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		



Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	47	12
Average Queue (ft)	24	0
95th Queue (ft)	49	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	67	4	56
Average Queue (ft)	46	1	23
95th Queue (ft)	73	8	65
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	77	59
Average Queue (ft)	51	27
95th Queue (ft)	82	68
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	86	72
Average Queue (ft)	43	13
95th Queue (ft)	75	47
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	94	4	78
Average Queue (ft)	45	0	17
95th Queue (ft)	77	3	56
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Rhododendron & tournament, Interval #0

Movement	WB
Directions Served	LR
Maximum Queue (ft)	63
Average Queue (ft)	44
95th Queue (ft)	79
Link Distance (ft)	694
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: Rhododendron & tournament, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	60	6
Average Queue (ft)	33	0
95th Queue (ft)	65	0
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	56	6
Average Queue (ft)	28	0
95th Queue (ft)	57	5
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Rhododendron & tournament, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	71	12
Average Queue (ft)	31	0
95th Queue (ft)	63	4
Link Distance (ft)	694	612
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #0

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	135	92
Average Queue (ft)	74	46
95th Queue (ft)	145	112
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	96	77
Average Queue (ft)	60	34
95th Queue (ft)	95	76
Link Distance (ft)	880	1300
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Rhododendron & 35th st, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	84	4	96
Average Queue (ft)	50	0	31
95th Queue (ft)	78	4	77
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Rhododendron & 35th st, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	137	4	111
Average Queue (ft)	56	0	34
95th Queue (ft)	97	3	83
Link Distance (ft)	880	444	1300
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty, Interval #0: 0
Network wide Queuing Penalty, Interval #1: 0
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

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