
GTC

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2825 W Mercer Way Traffic Impact Analysis

Jurisdiction: City of Mercer Island

May 2021



GTC #19-199

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1. INTRODUCTION

Gibson Traffic Consultants, Inc. (GTC) has been retained to complete a traffic impact analysis (TIA) for the proposed 2825 W Mercer Way development per scoping information provided from the City of Mercer Island. The development is in the southwest corner of W Mercer Way at SE 28th Street. The proposed development will consist of 14 single-family residential units and the site is currently vacant of a building but was the site of a Boys & Girls Club with over 20,000 SF of building space. A site vicinity map is included in Figure 1.

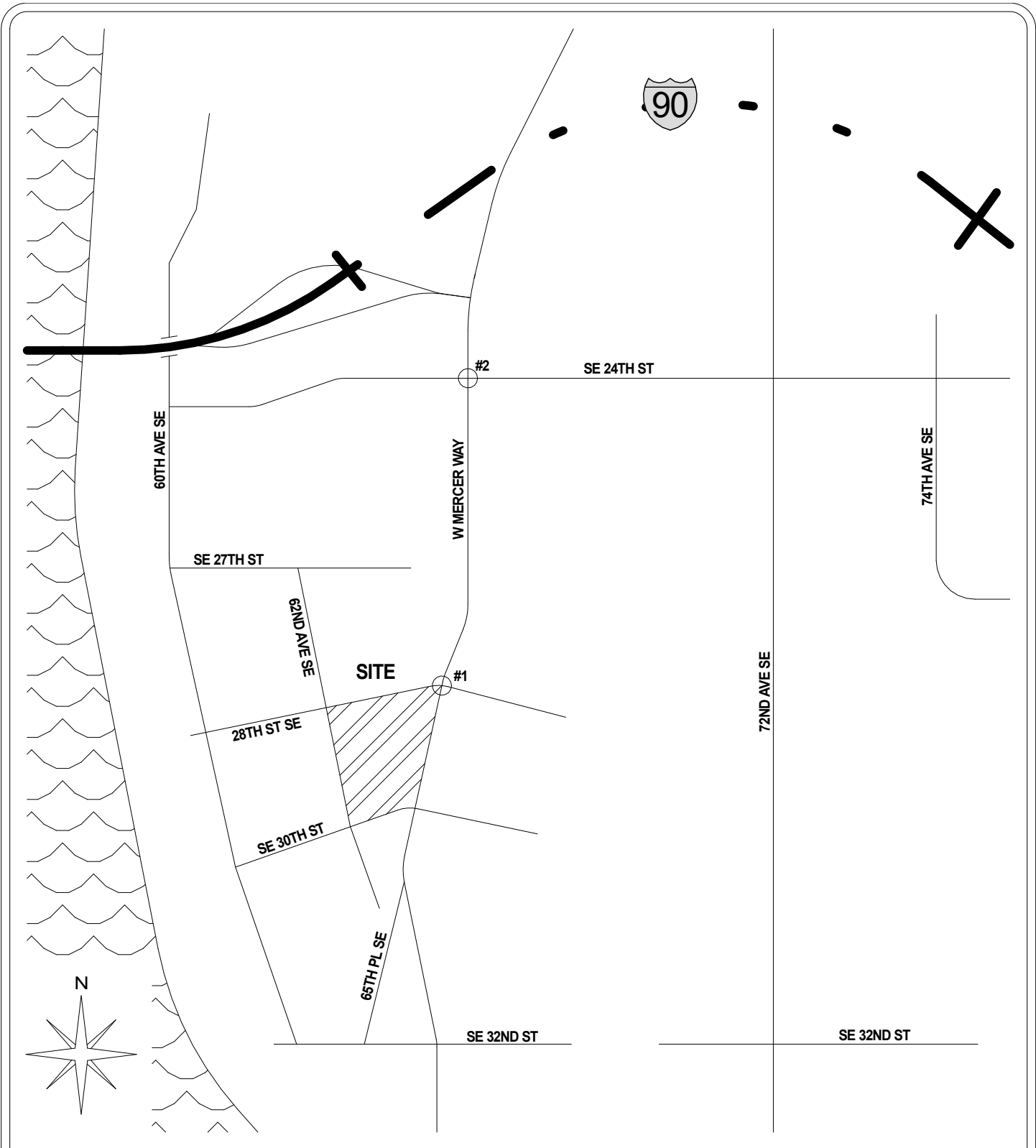
This report summarizes GTC's traffic analysis and findings that include:

- 1) Proposed site development and access
- 2) Trip generation, trip distribution, and trip assignment of the development trips
- 3) Existing and future without development volumes and LOS
- 4) Future with development volumes and LOS
- 5) Mitigation identification

Matthew Palmer, responsible for the traffic analysis and report, is a licensed professional engineer (Civil) in the State of Washington and a current member of the Washington State section of ITE.

2. PROPOSED SITE DEVELOPMENT & ACCESS

The proposed 2825 W Mercer Way development will include 14 single-family residential units and no credit for the previous uses was allowed. Six of the units will have access to 62nd Avenue SE, seven units to SE 28th Street and one unit will have access to SE 30th Street. Future analysis was done for the year 2024 as the year that the site is anticipated to be developed and fully occupied.



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GTC #19-199**

**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

**FIGURE 1
SITE VICINITY MAP**

MERCER ISLAND

LEGEND



PROJECT SITE



STUDY INTERSECTION

3. METHODOLOGY & ANALYSIS SCOPING

A peak-hour level of service (LOS) determination at the site access is determined using the methodology described in the *Highway Capacity Manual (HCM) 6th Edition* and *Synchro 10* software developed by Trafficware. Site traffic generation estimates for the new use is based on data in the Institute of Transportation Engineers (ITE) *Trip Generation, 10th Edition + Supplement* (2020). Average trip generation rates were utilized to estimate the weekday daily, AM and PM peak-hour trips.

Traffic congestion on roadways is generally measured in terms of LOS at critical intersections. In accordance with the *Highway Capacity Manual 6th Edition*, roadway facilities and intersections are rated between LOS A and F, with LOS A being free flow and LOS F being forced flow or over-capacity conditions. The LOS at signalized intersections and all-way stop-controlled intersections are based on the average stopped delay for all entering vehicles. The LOS at two-way stop-controlled intersections is based on stopped delay times for the critical approach or movement(s). Geometric characteristics and conflicting traffic movements are taken into consideration when determining LOS values. City of Mercer Island has an acceptable intersection level of service threshold of LOS C within and adjacent to the Town Center and LOS D or better elsewhere for City concurrency intersections of two arterial streets. The intersection of SE 53rd Place at Island Crest Way is exempt from the LOS D standard. A summary of the level of service criteria has been included in Table 1.

Traffic volumes are impacted by the COVID-19 pandemic, the traffic volumes have been increased by a 25% during the AM and PM peak-hours. This was determined based on information provided by WSDOT along I-90 at the I-90 floating bridge for the daily difference in trips.

Table 1: Level of Service Criteria for Intersections

Level of ¹ Service	Expected Delay	Intersection Control Delay (Seconds per Vehicle)	
		Unsignalized Intersections	Signalized Intersections
A	Little/No Delay	≤10	≤10
B	Short Delays	>10 and ≤15	>10 and ≤20
C	Average Delays	>15 and ≤25	>20 and ≤35
D	Long Delays	>25 and ≤35	>35 and ≤55
E	Very Long Delays	>35 and ≤50	>55 and ≤80
F	Extreme Delays ²	>50	>80

GTC used a 0.5-percent annual compounded growth rate to account for background traffic growth in the site vicinity, this is consistent with the Traffic Impact Analysis Guidelines. Per discussions with the City of Mercer Island staff no additional pipeline developments were added. Two off-site intersections were identified for existing, baseline, and future with development level of service disclosure. The study intersections are:

1. W Mercer Way at SE 28th Street – Two-way Stop Controlled
2. W Mercer Way at SE 24th Street – All-way Stop Controlled

¹ **Source:** *Highway Capacity Manual 6th Edition.*

LOS A: Free-flow traffic conditions, with minimal delay to stopped vehicles (no vehicle is delayed longer than one cycle at signalized intersection).

LOS B: Generally stable traffic flow conditions.

LOS C: Occasional back-ups may develop, but delay to vehicles is short term and still tolerable.

LOS D: During short periods of the peak hour, delays to approaching vehicles may be substantial but are tolerable during times of less demand (i.e. vehicles delayed one cycle or less at signal).

LOS E: Intersections operate at or near capacity, with long queues developing on all approaches and long delays.

LOS F: Jammed conditions on all approaches with excessively long delays and vehicles unable to move at times.

² When demand volume exceeds the capacity of the lane, extreme delays will be encountered with queuing which may cause severe congestion affecting other traffic movements in the intersection.

4. EXISTING CONDITIONS

4.1 Road Network

W Mercer Way is a 2-lane secondary arterial with a posted speed limit of 30 mph. The roadway has no curb, gutter, and sidewalks along both sides of the road. In the site vicinity there is a paved path on the east side of the roadway.

SE 24th Street is a 2-lane collector arterial with a posted speed limit of 25 mph. The roadway has curb, gutter, or sidewalks on both sides of the roadway east of W Mercer Way and along the south side west of W Mercer Way.

4.2 Existing Volumes and Level of Service

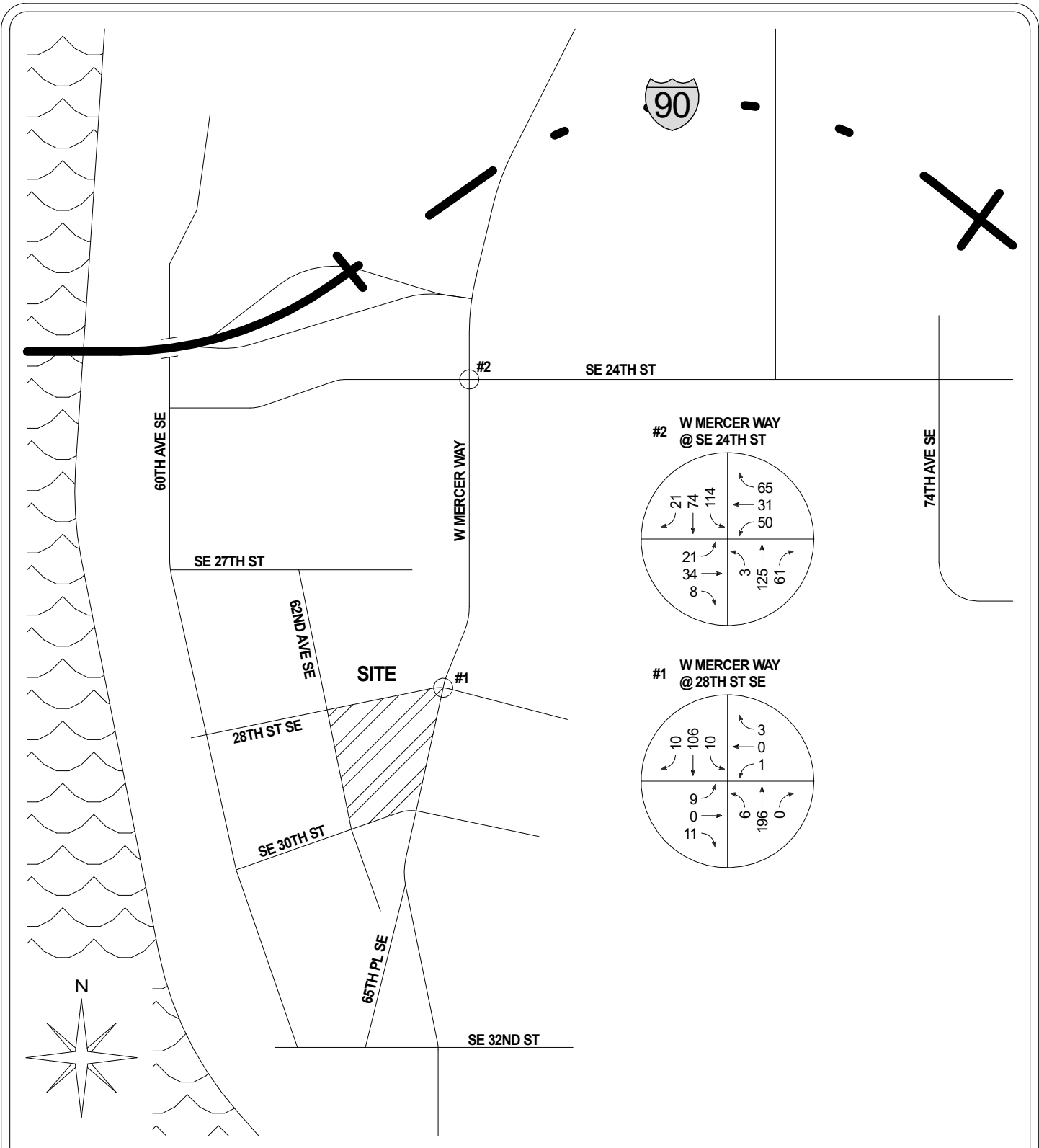
Existing turning movement counts at the study intersections were conducted by the independent count firm, Traffic Data Gathering (TDG), on Wednesday April 14th and Thursday April 15th, 2021. The normalized existing AM and PM peak-hour turning movement volumes at the study intersections are shown in Figure 2 and Figure 3, respectively. Based on the existing counts, channelization and intersection control the study intersections operate at LOS B or better in both peak-hours. The existing level of service is summarized in Table 2.

Table 2: Existing Level of Service Summary

Intersection	Time Period	Normalized Existing Conditions	
		LOS	Delay
1. W Mercer Way at SE 28 th Street	AM	B	10.1 sec
	PM	B	12.1 sec
2. W Mercer Wat at SE 24 th Street	AM	A	9.4 sec
	PM	B	13.0 sec

4.3 Collision Analysis

Collision data provided by the WSDOT for January 1, 2016 through December 31, 2020 shows one parked car collision at SE 28th Street and seven collisions at SE 24th Street. Those collisions include three rear-end, two were at angle, and three ped/cyclist collisions. One of the rear-end collisions resulted in a fatality, the driver was under the influence of alcohol.



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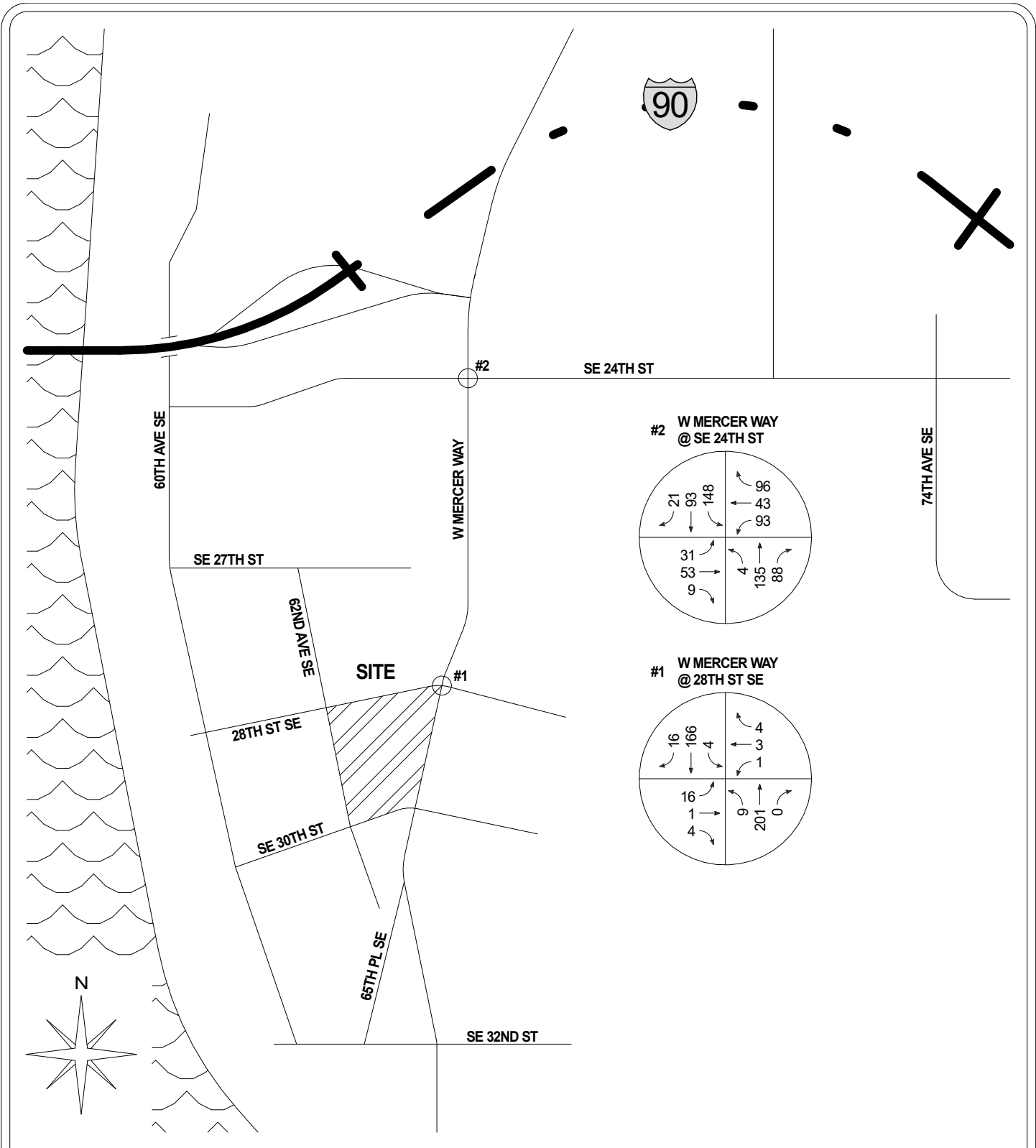
**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

xxx → AM PEAK HOUR
TURNING MOVEMENT VOLUMES

**FIGURE 2
EXISTING
TURNING MOVEMENTS
AM PEAK-HOUR**

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GTC #19-199**

**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

XXX → PM PEAK HOUR
TURNING MOVEMENT VOLUMES

**FIGURE 3
EXISTING
TURNING MOVEMENTS
PM PEAK-HOUR**

MERCER ISLAND

5. FUTURE CONDITIONS

5.1 Trip Generation

Trip generation calculations for the proposed development are based on national research data for land uses contained in the Institute of Transportation Engineers' (ITE) *Trip Generation, 10th Edition + Supplement* (2020). The trip generation calculations for the development are based on the average trip generation rates for ITE Land Use Code 210, Single-Family Detached. The 2825 W Mercer Way development is proposing to construct 14 single-family detached units. The trip generation for the development is summarized in Table 3.

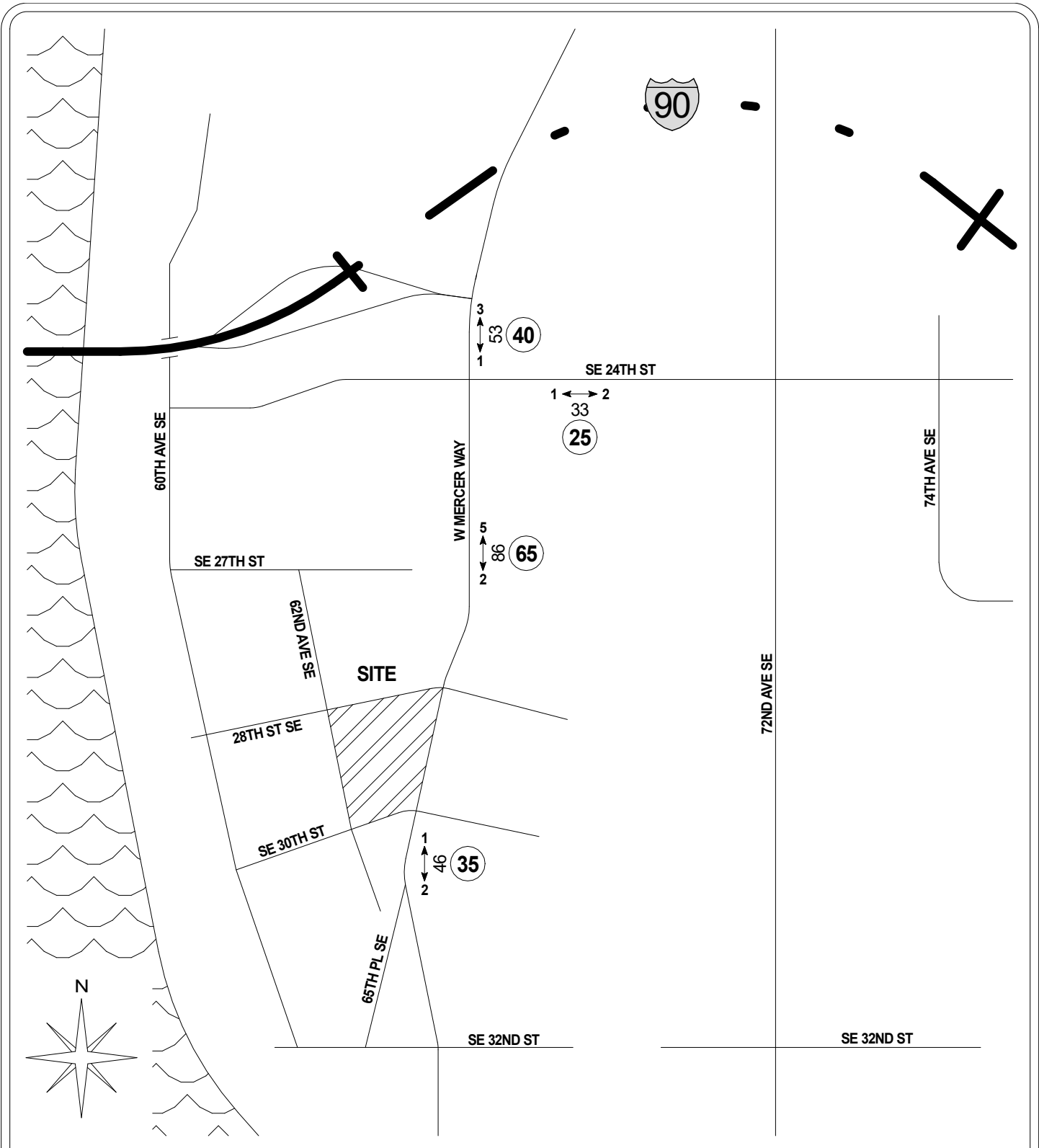
Table 3: Trip Generation Summary

2825 W Mercer Way 14 New SFD Units	Average Daily Trips			AM Peak-Hour Trips			PM Peak-Hour Trips		
	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total
Generation Rate	9.44 trips per unit			0.74 trips per unit			0.99 trips per unit		
Splits	50%	50%	100%	25%	75%	100%	63%	37%	100%
Trips	66	66	132	3	7	10	9	5	14

The 2825 W Mercer Way development will generate approximately 132 average daily trips with 10 AM peak-hour trips and 14 PM peak-hour trips.

5.2 Trip Distribution

The trip distribution is based on local counts and draw areas in the site vicinity. It was assumed for the worst-case analysis that all the development traffic will utilize the intersection of W Mercer Way at SE 28th Street. There would be 65% to/from the north and 35% to/from the south. At the intersection of W Mercer Way at SE 24th Street the sixty-five percent will split with forty percent continuing north and twenty-five percent heading to/from the east. A detailed trip distribution for the AM and PM peak-hours is included in Figure 4 and Figure 5, respectively.



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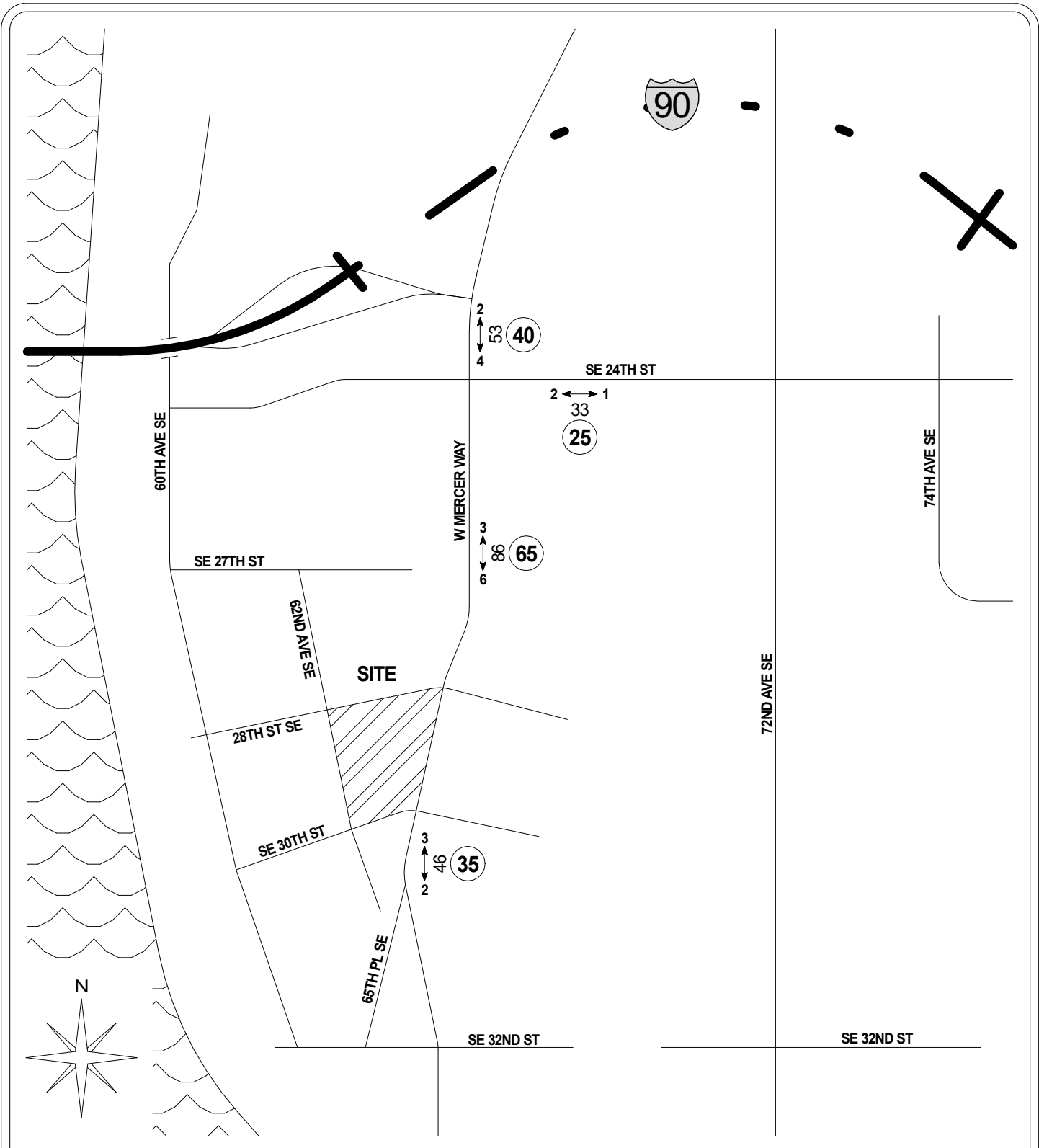
**TRAFFIC IMPACT STUDY
GTC #19-199**

**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND
AWDT ← PEAK
AM → PEAK
30
NEW DAILY TRAFFIC
NEW AM PEAK HOUR TRIPS
TRIP DISTRIBUTION %

**FIGURE 4
DEVELOPMENT
TRIP DISTRIBUTION
AM PEAK-HOUR**

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GTC #19-199**

**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND
AWDT
PM ← → PEAK
30
NEW DAILY TRAFFIC
NEW PM PEAK HOUR TRIPS
TRIP DISTRIBUTION %

**FIGURE 5
DEVELOPMENT
TRIP DISTRIBUTION
PM PEAK-HOUR**

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5.3 2024 Baseline Volumes and Level of Service

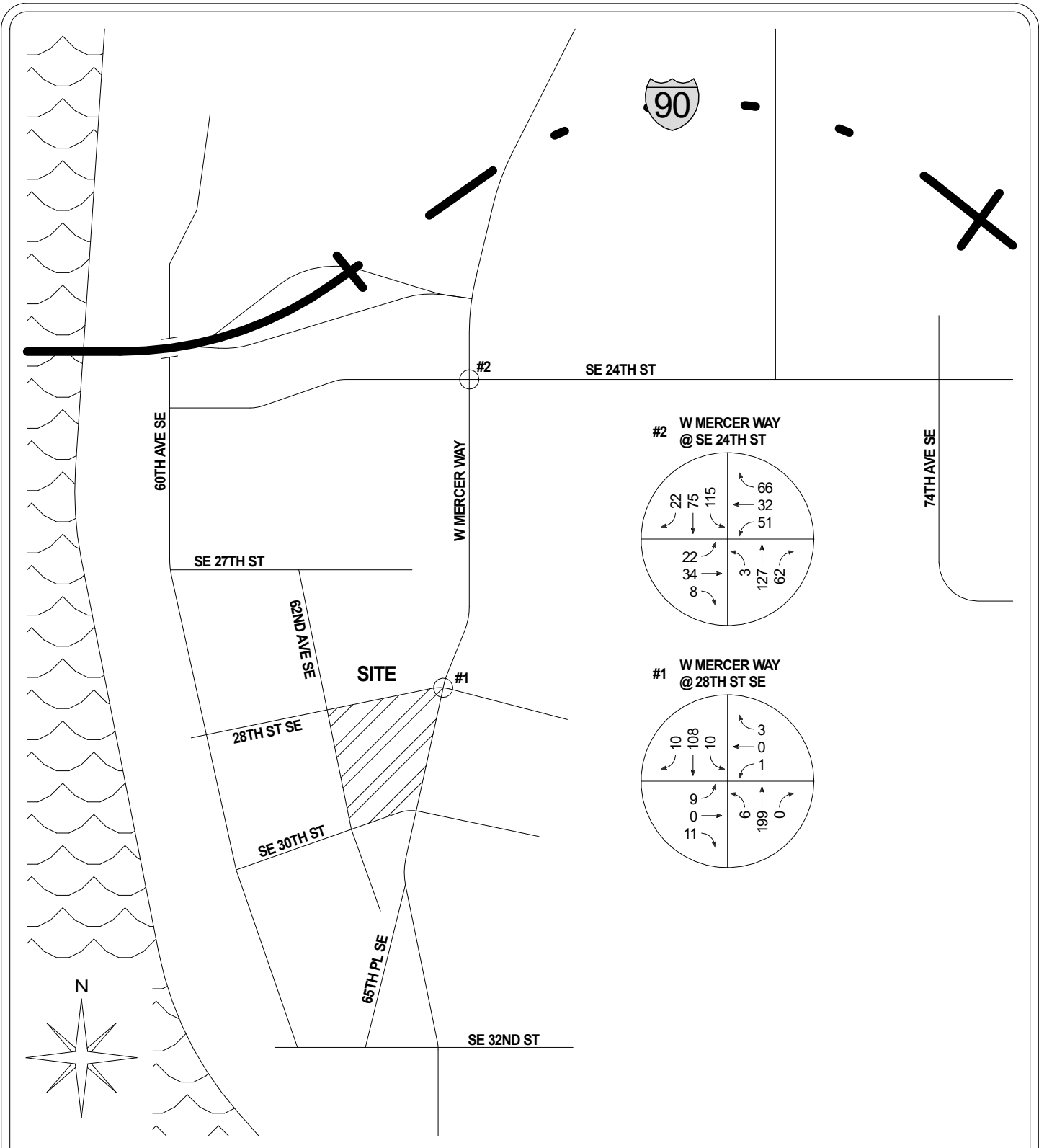
The 2024 baseline (future without development) turning movement volumes are estimated by applying a 0.5% annual compounded growth rate to the existing turning movement volumes, per the Traffic Impact Analysis Guidelines. The 2024 baseline AM and PM peak-hour turning movement volumes are shown in Figure 6 and Figure 7, respectively. Under the 2024 baseline conditions, the study intersections will continue to operate at LOS B or better. The level of service is summarized in Table 4.

5.4 2024 Future with Development Volumes and Level of Service

The 2024 future with development turning movement volumes are derived by adding the development trips to the 2024 baseline turning movement volumes. The 2024 future with development AM and PM peak-hour turning movement volumes are shown in Figure 8 and Figure 9, respectively. Under the 2024 future with development conditions, the study intersections will continue to operate at acceptable LOS B or better. The level of service is summarized in Table 4.

Table 4: Future Level of Service Summary

Intersection	Time Period	Normalized Existing Conditions		2024 Baseline Conditions		2024 Future with Development Conditions	
		LOS	Delay	LOS	Delay	LOS	Delay
1. W Mercer Way at SE 28 th Street	AM	B	10.1 sec	B	10.1 sec	B	10.4 sec
	PM	B	12.1 sec	B	12.2 sec	B	12.2 sec
2. W Mercer Wat at SE 24 th Street	AM	A	9.4 sec	A	9.5 sec	A	9.5 sec
	PM	B	13.0 sec	B	13.2 sec	B	13.4 sec



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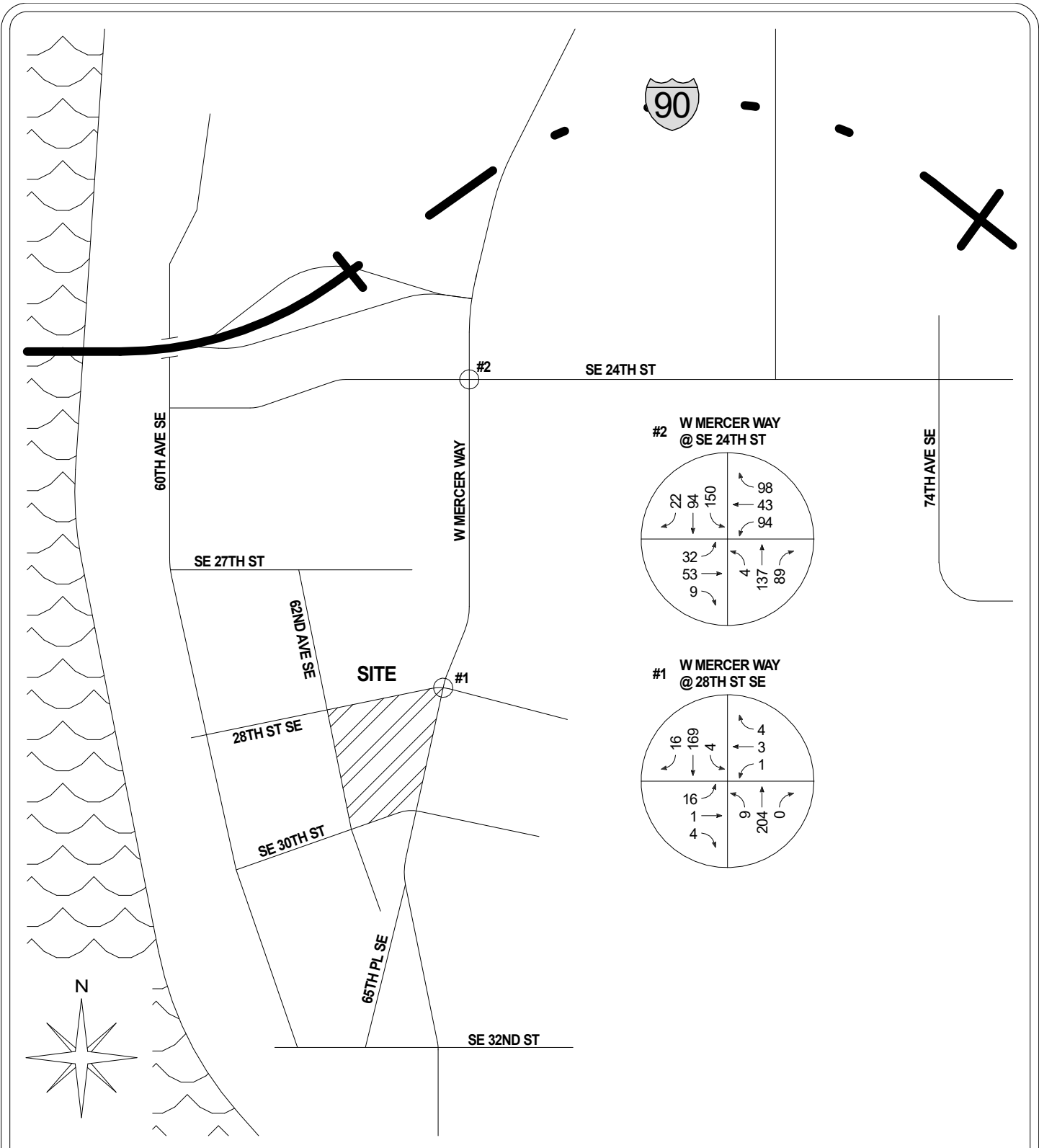
**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

XXX → AM PEAK HOUR
TURNING MOVEMENT VOLUMES

**FIGURE 6
2024 BASELINE
TURNING MOVEMENTS
AM PEAK-HOUR**

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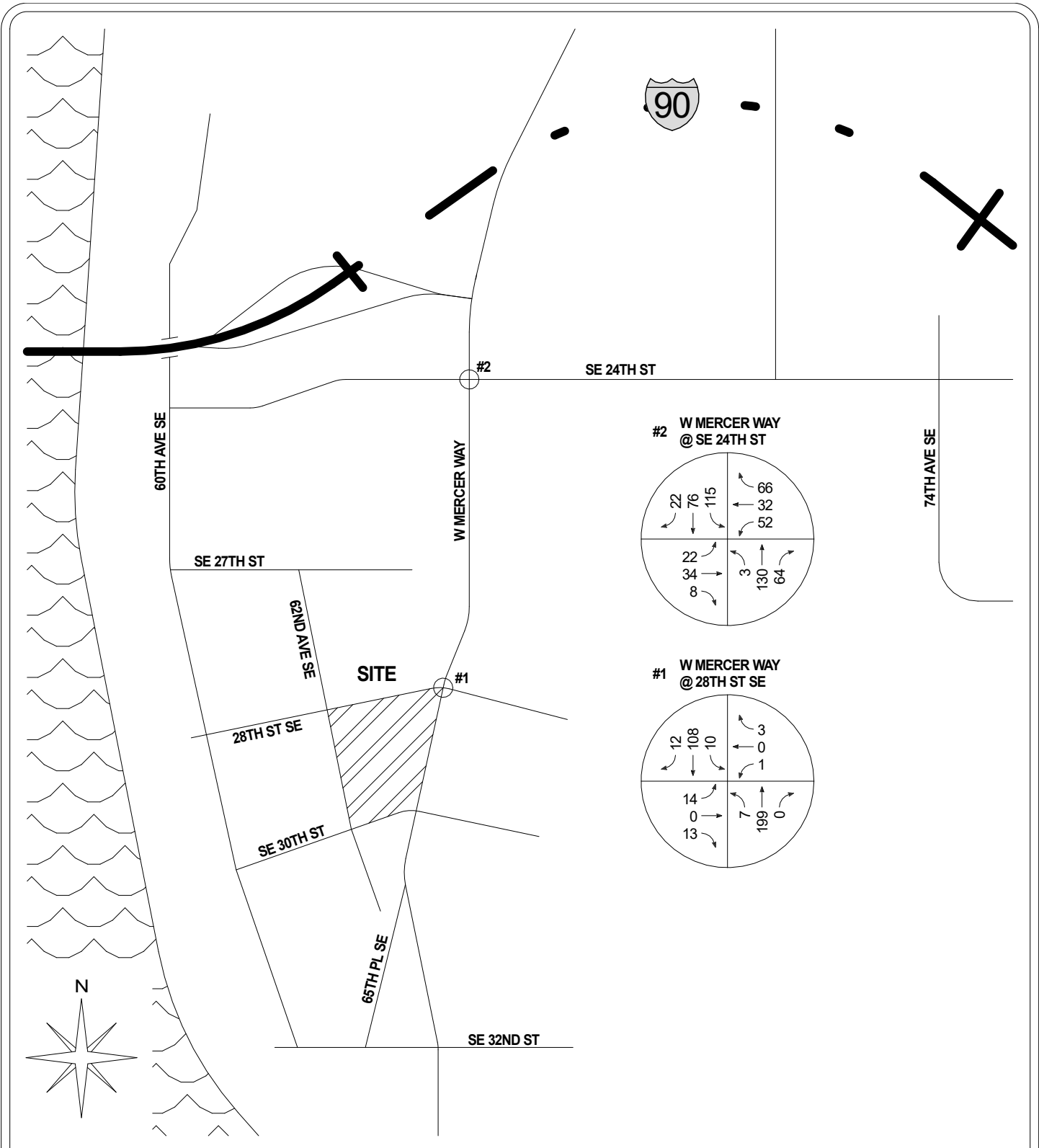
**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

XXX → PM PEAK HOUR
TURNING MOVEMENT VOLUMES

**FIGURE 7
2024 BASELINE
TURNING MOVEMENTS
PM PEAK-HOUR**

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GTC #19-199**

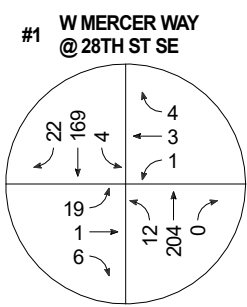
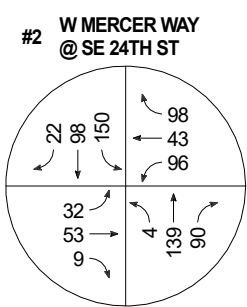
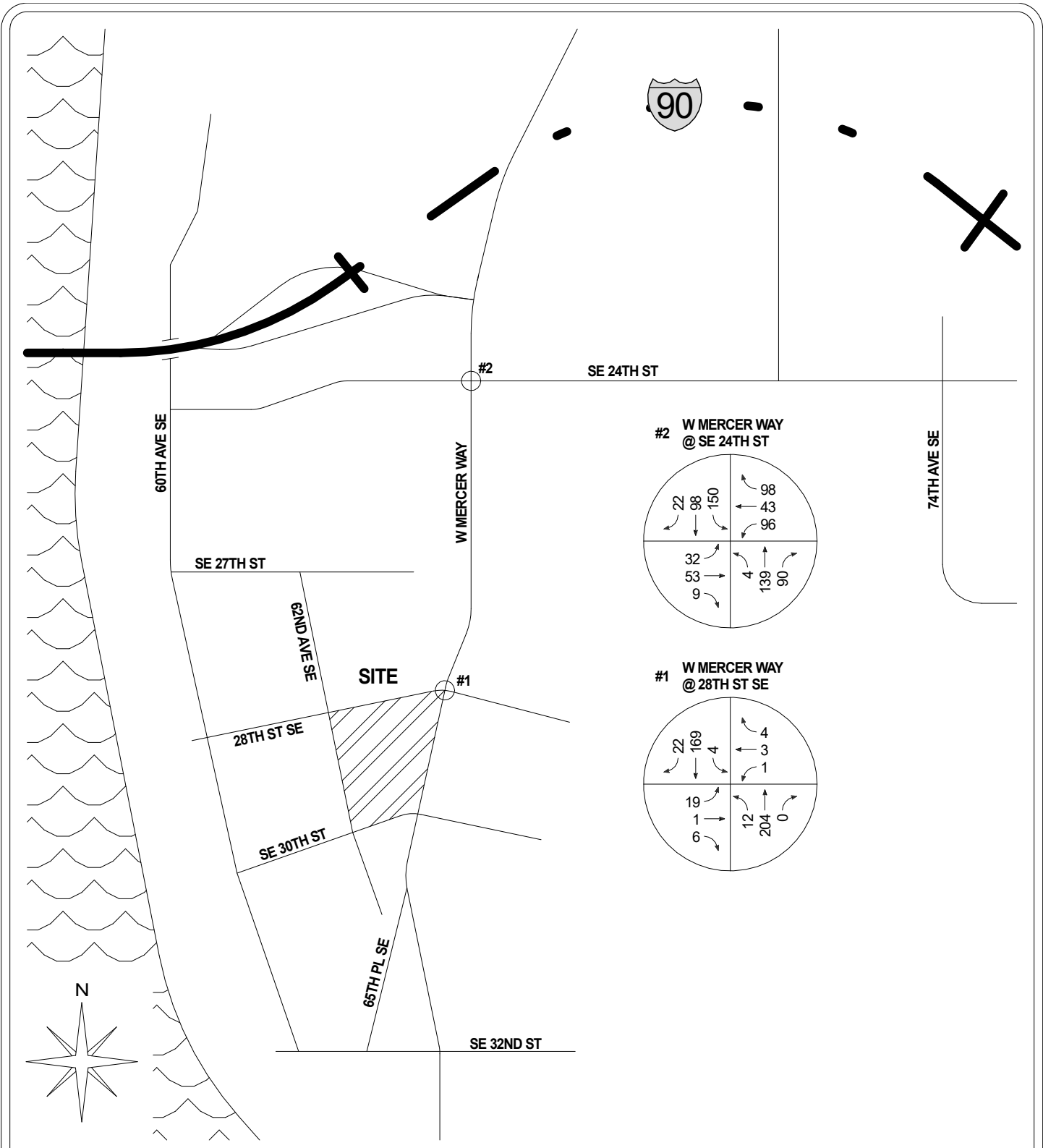
**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

XXX → AM PEAK HOUR
TURNING MOVEMENT VOLUMES

MERCER ISLAND

**FIGURE 8
2024 FUTURE
WITH DEVELOPMENT
TURNING MOVEMENTS
AM PEAK-HOUR**



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**TRAFFIC IMPACT STUDY
GTC #19-199**

**2825 W MERCER WAY
14 NEW SINGLE-FAMILY
DETACHED UNITS**

LEGEND

XXX → PM PEAK HOUR
TURNING MOVEMENT VOLUMES

MERCER ISLAND

**FIGURE 9
2024 FUTURE
WITH DEVELOPMENT
TURNING MOVEMENTS
PM PEAK-HOUR**

6. TRAFFIC MITIGATION

The 2825 W Mercer Way development is in the City of Mercer Island; therefore, traffic mitigation fees will need to be paid. The City has a traffic mitigation fee of \$4,533.70 per new unit based on Residential Fee Schedule. There will be 14 new units and the development will have a mitigation fee of \$63,471.80.

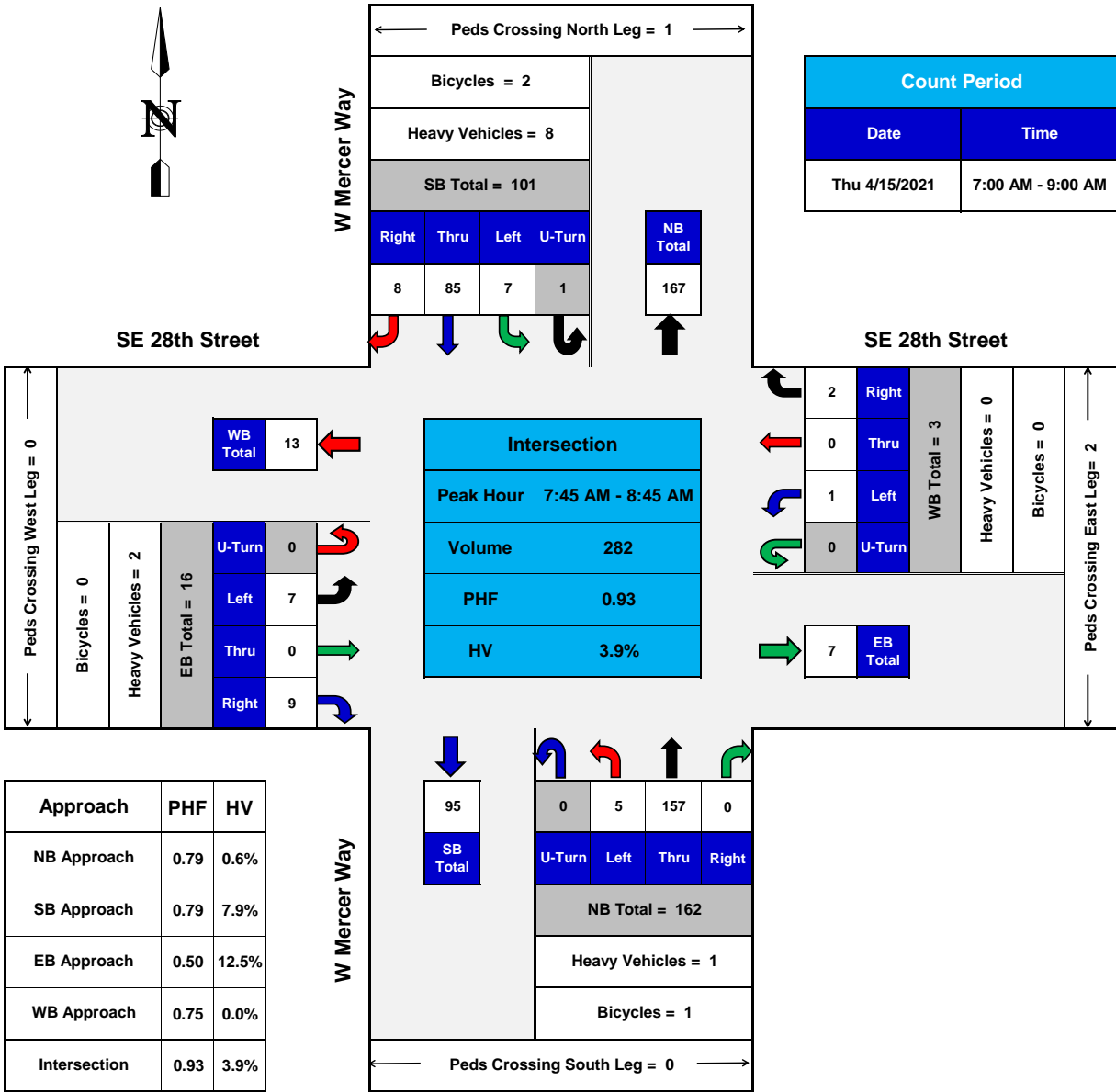
As both study intersections operate at an acceptable level of service with the development there should be no requirement for any additional off-site traffic mitigation. In addition, no other intersections would be impacted with 10 or more peak-hour trips.

7. CONCLUSIONS

The 2825 W Mercer Way development is proposed to construct 14 single-family residential units. The development is anticipated to generate approximately 132 new average daily trips with 10 AM peak-hour trips and 14 PM peak-hour trips. The study intersections are expected to operate at an acceptable level of service in the 2024 future with development conditions. The total mitigation fees for the 2825 W Mercer Way development are \$63,471.80.

AM & PM Counts

W Mercer Way @ SE 28th Street
Mercer Island, WA



TURNING MOVEMENTS DIAGRAM
PEAK HOUR SUMMARY



DIG TRAFFIC DATA GATHERING

INTERSECTION TURNING MOVEMENTS REDUCTION SHEET

LOCATION: W Mercer Way @ SE 28th Street DATE OF COUNT: Thu. 4/15/2021 COUNTED BY: TDG
Mercer Island, WA START OF COUNT: 7:00 AM DATE OF REDUCTION: 4/19/2021
 TIME OF COUNT: 7:00 AM - 9:00 AM DURATION OF COUNT (Hrs): 2

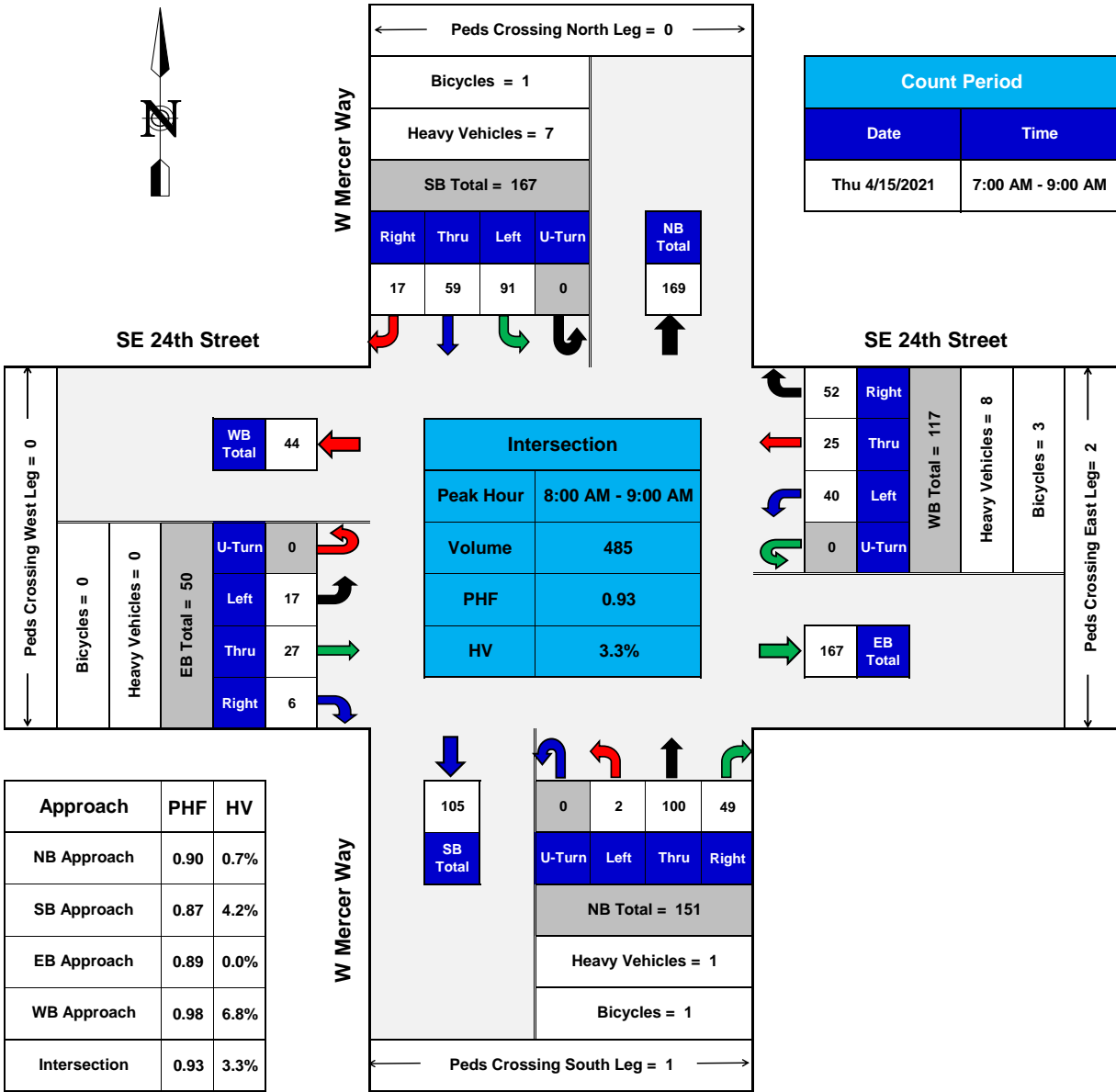
TIME INTERVAL ENDING AT	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 28th Street						FROM WEST ON SE 28th Street						INTERVAL TOTALS								
	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV		U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn
07:15 AM	0	0	1	0	1	9	2	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	3	43
07:30 AM	0	0	1	0	1	14	0	1	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	4	52
07:45 AM	0	1	1	0	0	12	0	0	4	1	0	0	31	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	3	50	
08:00 AM	0	1	2	0	3	16	1	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	3	66
08:15 AM	0	1	4	0	2	28	2	0	0	0	0	2	26	0	0	0	0	1	0	0	0	0	0	0	2	0	3	0	0	0	5	69	
08:30 AM	0	0	1	1	2	21	3	0	1	0	0	2	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	71	
08:45 AM	1	0	1	0	0	20	2	0	0	1	0	1	50	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	76
09:00 AM	2	0	5	0	0	26	1	0	1	1	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	1	65
PEAK HOUR TOTALS	1	2	8	1	7	85	8	0	1	1	0	5	157	0	2	0	0	0	2	0	1	0	1	0	7	0	9	0	0	16	282		
ALL MOVEMENTS																																	
% HV																																	
PEAK HOUR FACTOR	0.79						0.79						0.75						0.50						3.9%		0.93						

HV = Heavy Vehicle
 PHF = Peak Hour Factor
 7:00 AM - 9:00 AM PEAK HOUR: 7:45 AM - 8:45 AM

ROLLING HOUR COUNT

TIME INTERVAL	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 28th Street						FROM WEST ON SE 28th Street						INTERVAL TOTALS								
	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn	Left	Thru	Right	Peds	Bicycle	HV		U-Turn	Left	Thru	Right	Peds	Bicycle	HV	U-Turn
7:00 AM - 8:00 AM	0	2	5	0	5	51	3	1	6	2	0	1	125	0	0	0	0	0	0	0	0	0	0	0	0	8	0	13	0	0	0	211	
7:15 AM - 8:15 AM	0	3	8	0	6	70	3	1	4	2	0	3	127	0	0	0	0	0	0	0	0	0	0	0	10	0	15	0	0	0	237		
7:30 AM - 8:30 AM	0	3	8	1	7	77	6	0	5	1	0	4	138	0	2	0	0	0	0	0	0	0	0	0	8	0	12	0	0	0	256		
7:45 AM - 8:45 AM	1	2	8	1	7	85	8	0	1	1	0	5	157	0	2	0	0	0	0	0	0	0	0	0	7	0	9	0	0	0	282		
8:00 AM - 9:00 AM	3	1	11	1	4	95	8	0	2	2	0	5	148	0	2	0	0	0	0	0	0	0	0	0	8	0	7	0	0	0	281		
7:00 AM - 9:00 AM Total:	3	3	16	1	9	146	11	1	8	4	0	6	273	0	2	0	0	0	0	0	1	0	1	0	16	0	20	0	0	492			

**W Mercer Way @ SE 24th Street
Mercer Island, WA**



PHF = Peak Hour Factor
HV = Heavy Vehicles

**TURNING MOVEMENTS DIAGRAM
PEAK HOUR SUMMARY**



DG TRAFFIC DATA GATHERING

INTERSECTION TURNING MOVEMENTS REDUCTION SHEET

LOCATION: W Mercer Way @ SE 24th Street DATE OF COUNT: Thu. 4/15/2021 COUNTED BY: TDG
Mercer Island, WA START OF COUNT: 7:00 AM DATE OF REDUCTION: 4/19/2021
 TIME OF COUNT: 7:00 AM - 9:00 AM DURATION OF COUNT (Hrs): 2

TIME INTERVAL ENDING AT	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 24th Street						FROM WEST ON SE 24th Street						INTERVAL TOTALS
	HV		Bicycle		Peds		HV		Bicycle		Peds		HV		Bicycle		Peds		HV		Bicycle		Peds		
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 AM	0	1	3	0	22	13	4	0	2	0	0	0	25	13	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	1	1	0	18	18	4	0	0	0	0	1	18	10	0	0	3	0	8	5	15	0	0	0	0
08:30 AM	0	0	3	0	21	14	1	0	1	0	0	1	24	16	0	1	0	0	13	6	11	0	0	0	0
08:45 AM	0	0	1	0	21	13	9	1	0	0	0	0	29	13	0	1	2	0	10	6	13	0	0	0	0
09:00 AM	0	0	2	0	31	14	3	0	0	1	0	0	29	10	2	1	3	0	9	8	13	0	0	0	0
PEAK HOUR TOTALS	0	1	7	0	91	59	17	1	1	1	0	2	100	49	2	3	8	0	40	25	52	0	0	0	0
ALL MOVEMENTS							151						117						50						485
% HV	4.2%						0.7%						6.8%						0.0%						3.3%
PEAK HOUR FACTOR	0.87						0.90						0.98						0.89						0.93

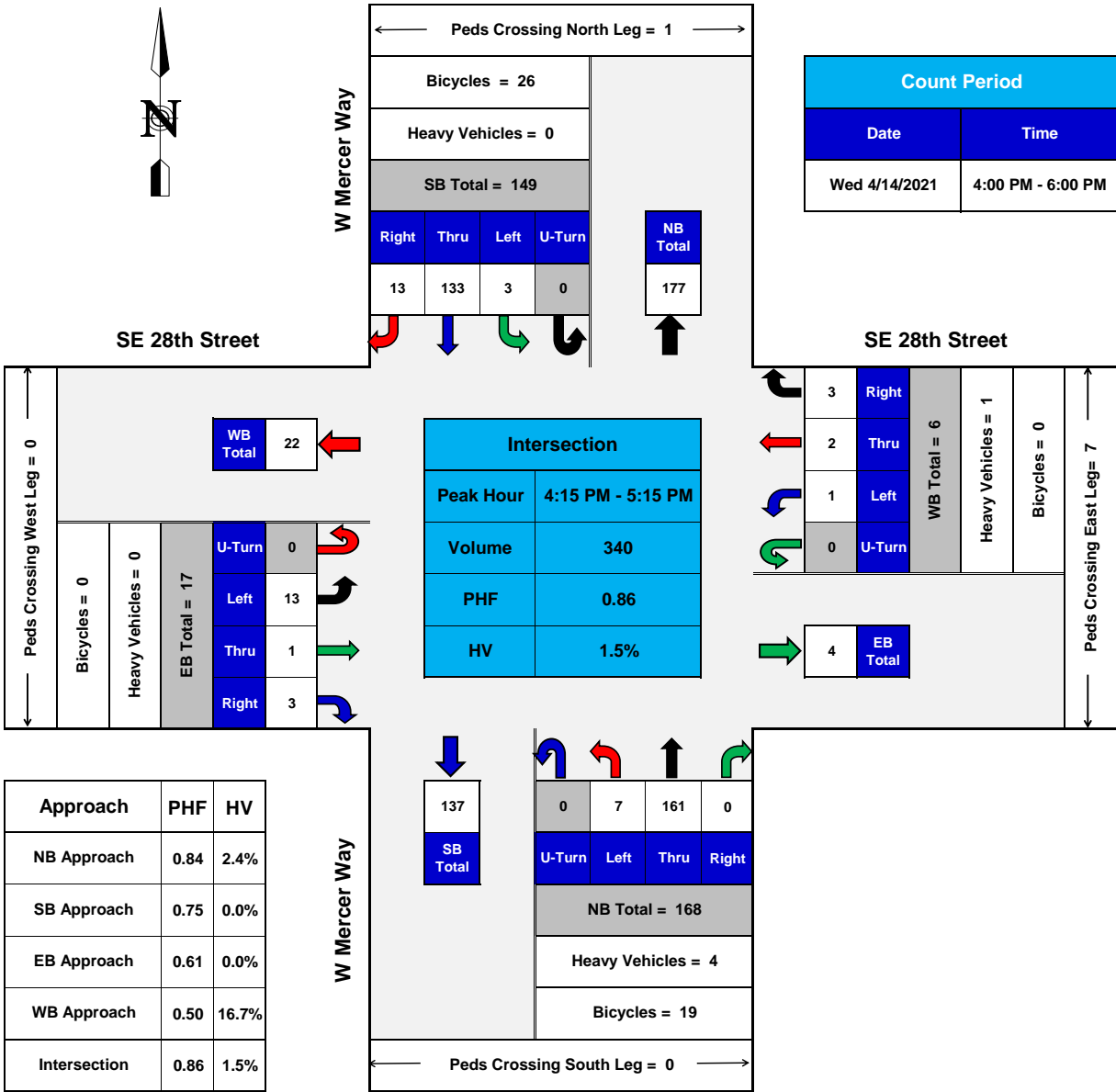
HV = Heavy Vehicle
PHF = Peak Hour Factor

8:00 AM - 9:00 AM

ROLLING HOUR COUNT

TIME INTERVAL	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 24th Street						FROM WEST ON SE 24th Street						INTERVAL TOTALS
	HV		Bicycle		Peds		HV		Bicycle		Peds		HV		Bicycle		Peds		HV		Bicycle		Peds		
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
7:00 AM - 8:00 AM	0	1	4	0	60	34	15	0	5	2	0	0	98	35	0	1	5	0	19	12	38	0	0	0	0
7:15 AM - 8:15 AM	0	2	5	0	66	45	15	0	3	2	0	1	94	36	0	0	7	0	22	13	50	0	0	0	0
7:30 AM - 8:30 AM	0	2	7	0	74	52	11	0	4	1	0	2	93	46	0	1	6	0	28	16	48	0	0	0	0
7:45 AM - 8:45 AM	0	2	8	0	82	58	18	1	3	0	0	2	96	52	0	2	5	0	36	21	48	0	0	0	0
8:00 AM - 9:00 AM	0	1	7	0	91	59	17	1	1	1	0	2	100	49	2	3	8	0	40	25	52	0	0	0	0
7:00 AM - 9:00 AM Total:	0	2	11	0	151	93	32	1	6	3	0	2	198	84	2	4	13	0	59	37	90	0	0	0	0

W Mercer Way @ SE 28th Street
Mercer Island, WA



PHF = Peak Hour Factor
 HV = Heavy Vehicles

TURNING MOVEMENTS DIAGRAM
PEAK HOUR SUMMARY



DIG TRAFFIC DATA GATHERING

INTERSECTION TURNING MOVEMENTS REDUCTION SHEET

LOCATION: W Mercer Way @ SE 28th Street DATE OF COUNT: Wed. 4/14/2021 COUNTED BY: TDG
Mercer Island, WA START OF COUNT: 4:00 PM DATE OF REDUCTION: 4/19/2021
 TIME OF COUNT: 4:00 PM - 6:00 PM DURATION OF COUNT (Hrs): 2

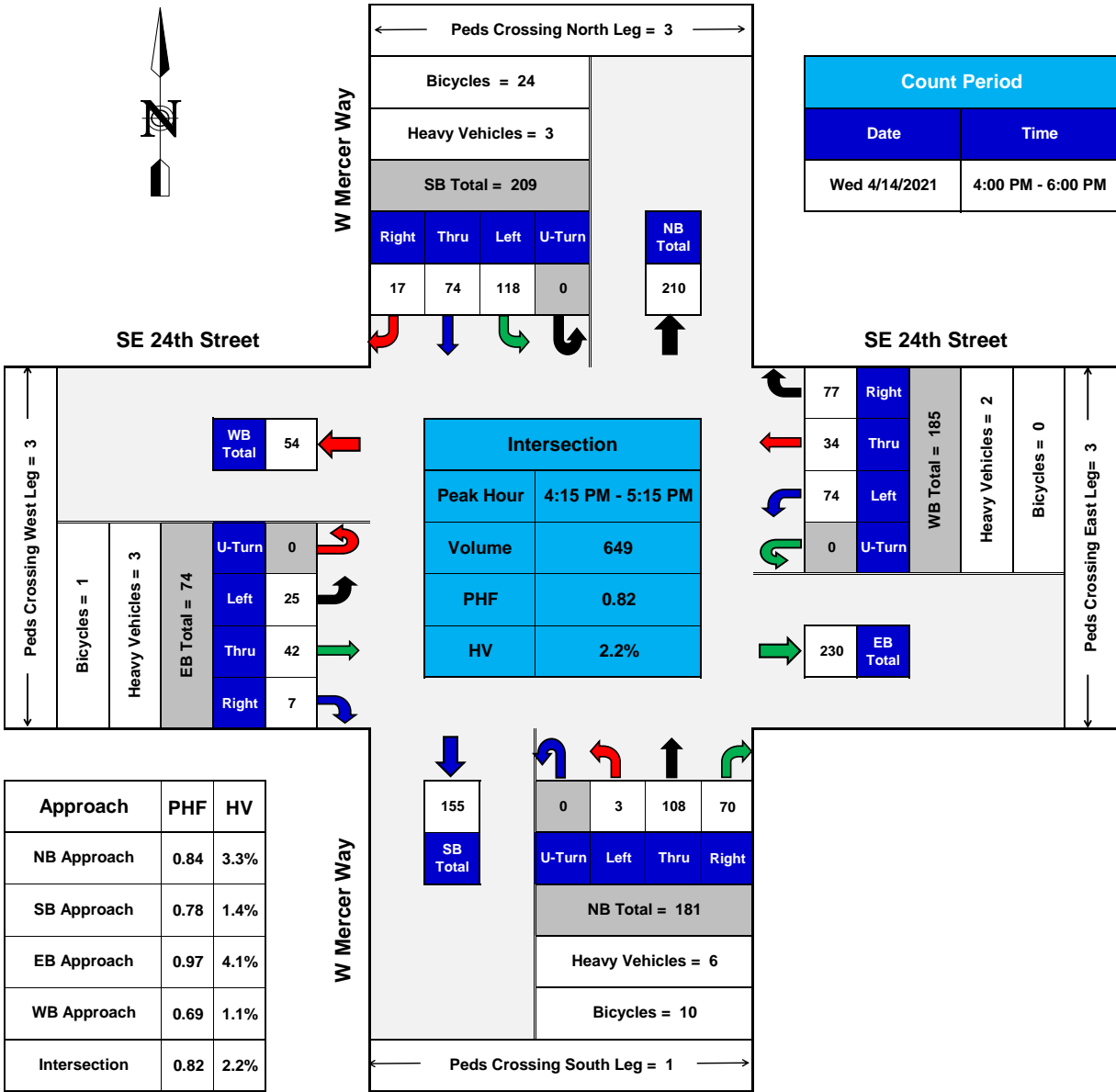
TIME INTERVAL ENDING AT	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 28th Street						FROM WEST ON SE 28th Street						INTERVAL TOTALS																																				
	Peds		Bicycle		HV		U-Turn		Left		Thru		Right		Peds		Bicycle		HV		U-Turn		Left			Thru		Right																																	
04:15 PM	0	7	0	0	0	0	0	0	1	52	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2																																		
04:30 PM	0	7	0	0	1	20	2	0	2	48	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0																																		
04:45 PM	0	5	0	0	0	20	6	0	5	37	0	4	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0																																		
05:00 PM	0	7	0	0	1	46	3	0	2	33	0	1	0	0	0	1	0	0	0	0	0	0	2	0	2	0	2																																		
05:15 PM	1	7	0	0	1	47	2	0	8	43	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	1																																			
05:30 PM	1	9	0	0	1	35	3	0	5	33	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	3																																			
05:45 PM	0	10	0	0	2	31	2	0	8	23	0	3	0	0	0	0	0	0	0	0	0	1	0	3	0	3																																			
06:00 PM	0	10	0	0	2	48	1	0	9	40	0	1	0	0	0	1	0	0	0	0	0	3	0	0	0	0																																			
PEAK HOUR TOTALS	1	26	0	0	3	133	13	0	19	161	0	7	0	1	0	1	0	0	0	0	0	13	1	3	1	3																																			
ALL MOVEMENTS													168												6												17												340												
% HV													2.4%												16.7%												0.0%												0.0%												1.5%
PEAK HOUR FACTOR													0.75												0.84												0.50												0.61												0.86

HV = Heavy Vehicle
 PHF = Peak Hour Factor
 4:00 PM - 6:00 PM PEAK HOUR: 4:15 PM - 5:15 PM

ROLLING HOUR COUNT

TIME INTERVAL	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 28th Street						FROM WEST ON SE 28th Street						INTERVAL TOTALS				
	Peds		Bicycle		HV		U-Turn		Left		Thru		Right		Peds		Bicycle		HV		U-Turn		Left			Thru		Right	
4:00 PM - 5:00 PM	0	26	0	0	2	118	15	0	20	6	0	5	170	0	5	0	1	0	0	0	0	14	1	4	1	4			
4:15 PM - 5:15 PM	1	26	0	0	3	133	13	0	19	4	0	7	161	0	7	0	1	0	0	0	0	13	1	3	1	3			
4:30 PM - 5:30 PM	2	28	0	0	3	148	14	0	20	2	0	7	146	0	8	0	0	0	0	0	0	8	1	6	1	6			
4:45 PM - 5:45 PM	2	33	0	0	5	159	10	0	23	2	0	8	132	0	7	0	0	0	0	0	0	6	0	9	0	9			
5:00 PM - 6:00 PM	2	36	0	0	6	161	8	0	30	3	0	8	139	0	7	0	0	0	0	0	0	7	0	7	0	7			
4:00 PM - 6:00 PM Total:	2	62	0	0	8	279	23	0	50	9	0	13	309	0	12	0	1	0	0	0	0	21	1	11	1	11			

**W Mercer Way @ SE 24th Street
Mercer Island, WA**



PHF = Peak Hour Factor
HV = Heavy Vehicles

**TURNING MOVEMENTS DIAGRAM
PEAK HOUR SUMMARY**



DIG TRAFFIC DATA GATHERING

INTERSECTION TURNING MOVEMENTS REDUCTION SHEET

LOCATION: W Mercer Way @ SE 24th Street DATE OF COUNT: Wed. 4/14/2021 COUNTED BY: TDG
Mercer Island, WA START OF COUNT: 4:00 PM DATE OF REDUCTION: 4/19/2021
 TIME OF COUNT: 4:00 PM - 6:00 PM DURATION OF COUNT (Hrs): 2

TIME INTERVAL ENDING AT	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 24th Street						FROM WEST ON SE 24th Street						INTERVAL TOTALS												
	Peds		Bicycle		HV		U-Turn		Left		Thru		Right		Peds		Bicycle		HV		U-Turn		Left			Thru		Right									
04:15 PM	0	9	0	0	0	34	22	6	0	7	3	0	2	34	15	0	3	0	0	0	0	0	8	8	21	0	0	0	0	0	6	8	0	164			
04:30 PM	3	3	1	0	23	9	3	0	3	1	0	2	23	29	1	0	0	0	0	0	0	0	13	11	17	3	1	1	0	6	9	3	148				
04:45 PM	0	9	1	0	33	15	2	0	3	4	0	1	29	12	0	0	0	0	0	0	0	14	4	18	0	0	0	0	9	9	1	147					
05:00 PM	0	4	1	0	29	20	8	0	1	0	0	0	25	14	0	0	0	0	0	0	0	24	5	12	0	0	1	0	3	12	3	155					
05:15 PM	0	8	0	0	33	30	4	1	3	1	0	0	31	15	2	0	2	0	23	14	30	0	7	12	0	0	1	0	7	12	0	199					
05:30 PM	0	6	0	0	26	17	2	5	6	0	0	0	28	8	0	1	1	0	18	10	13	3	9	2	0	0	0	3	9	2	136						
05:45 PM	0	10	0	0	28	24	5	0	6	1	0	1	18	4	1	0	0	13	12	13	0	2	7	1	0	0	0	2	7	1	128						
06:00 PM	0	6	0	0	22	24	8	0	8	0	0	1	23	16	1	0	0	21	10	19	2	0	5	1	0	0	0	0	5	1	150						
PEAK HOUR TOTALS	3	24	3	0	118	74	17	1	10	6	0	3	108	70	3	0	2	0	74	34	77	3	1	3	0	25	42	7	42	7	INTERSECTION						
ALL MOVEMENTS																			181						185						74						649
% HV																			3.3%						1.1%						4.1%						2.2%
PEAK HOUR FACTOR																			0.84						0.69						0.97						0.82

HV = Heavy Vehicle
PHF = Peak Hour Factor

4:15 PM - 5:15 PM

4:00 PM - 6:00 PM PEAK HOUR:

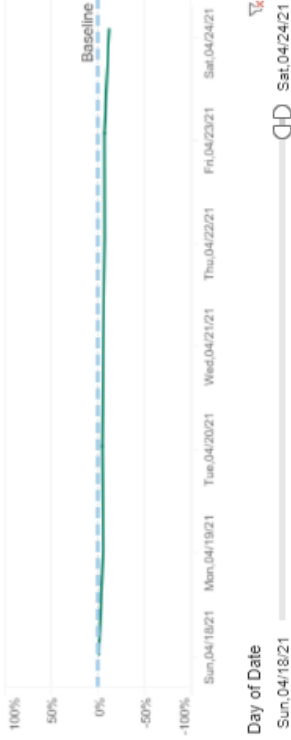
ROLLING HOUR COUNT

TIME INTERVAL	FROM NORTH ON W Mercer Way						FROM SOUTH ON W Mercer Way						FROM EAST ON SE 24th Street						FROM WEST ON SE 24th Street						INTERVAL TOTALS				
	Peds		Bicycle		HV		U-Turn		Left		Thru		Right		Peds		Bicycle		HV		U-Turn		Left			Thru		Right	
4:00 PM - 5:00 PM	3	25	3	0	119	66	19	0	14	8	0	5	111	70	1	3	0	0	59	28	68	3	1	2	0	24	38	7	614
4:15 PM - 5:15 PM	3	24	3	0	118	74	17	1	10	6	0	3	108	70	3	0	2	0	74	34	77	3	1	3	0	25	42	7	649
4:30 PM - 5:30 PM	0	27	2	0	121	82	16	6	13	5	0	1	113	49	2	1	3	0	79	33	73	3	0	2	0	22	42	6	637
4:45 PM - 5:45 PM	0	28	1	0	116	91	19	6	16	2	0	1	102	41	3	1	3	0	78	41	68	3	0	2	0	15	40	6	618
5:00 PM - 6:00 PM	0	30	0	0	109	95	19	6	23	2	0	2	100	43	4	1	3	0	75	46	75	5	0	1	0	12	33	4	613
4:00 PM - 6:00 PM Total:	3	55	3	0	228	161	38	6	37	10	0	7	211	113	5	4	3	0	134	74	143	8	1	3	0	36	71	11	1227

WSDOT COVID-19 Transportation System Performance Multimodal Executive Summary

Highway Traffic

Data from 32 locations statewide



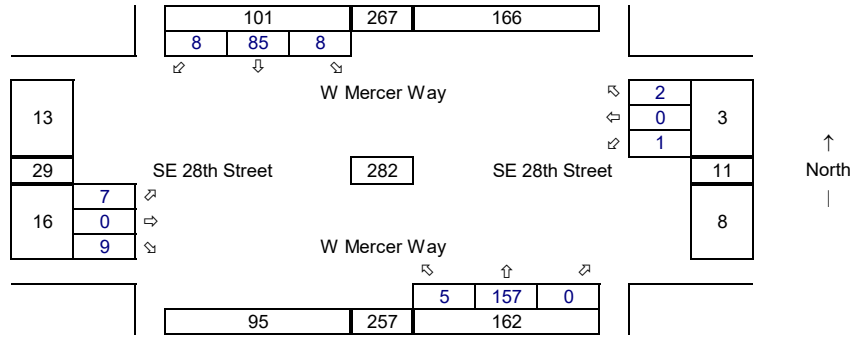
County: Highway: Day of Date:

Darkening boxes indicate a larger change from the baseline
 A) 2/29 - State of Emergency declared B) 3/12 - Schools Closed C) 3/16 - Ban on gatherings of 50+ people D) 3/25 - Stay Home, Stay Healthy order goes into effect E) 6/1 Stay Home, Stay Healthy order expired F) New statewide restrictions. Note: 5:00 - some King County data was impacted by protests. *Baseline year is defined as March 2019 to Feb 2020.

Highway	County	Traffic count location	Sun, 04/18/21	Mon, 04/19/21	Tue, 04/20/21	Wed, 04/21/21	Thu, 04/22/21	Fri, 04/23/21	Sat, 04/24/21
I-90	King	I-90 at I-90 Floating Bridge	-9%	-25%	-25%	-25%	-26%	-25%	-24%
I-90	King	I-90 at West of Bandera	19%	-4%	5%	6%	1%	-8%	-11%

Turning Movement Calculations

Synchro ID: 1
Existing
 Average Weekday
 AM Peak Hour
 Year: 4/15/21
 Data Source: TDG



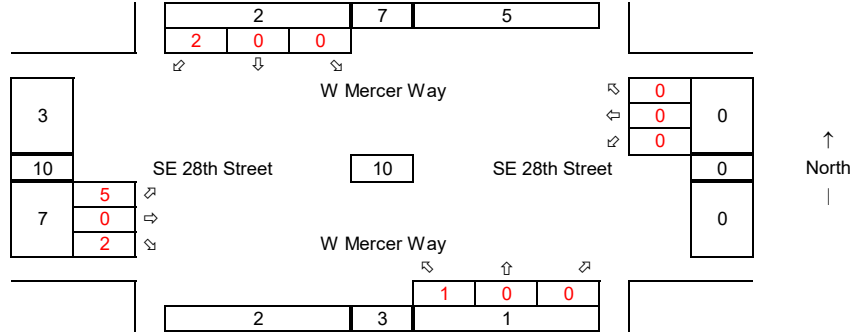
Normalized Existing (COVID-19 Factor)
 Average Weekday
 AM Peak Hour
 Percent Change: 25.0%
 Based on I-90 Volumes during that week.



Future without Project
 Average Weekday
 AM Peak Hour
 Year: 2024
 Growth Rate = 0.5%
 Years of Growth = 3
 Total Growth = 1.0151



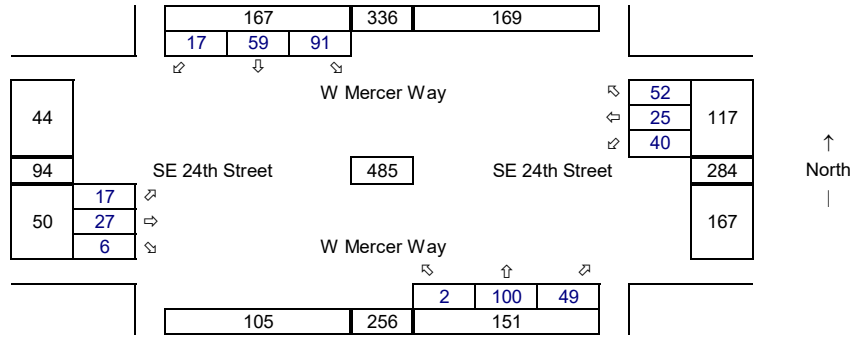
Total Project Trips
 Average Weekday
 AM Peak Hour



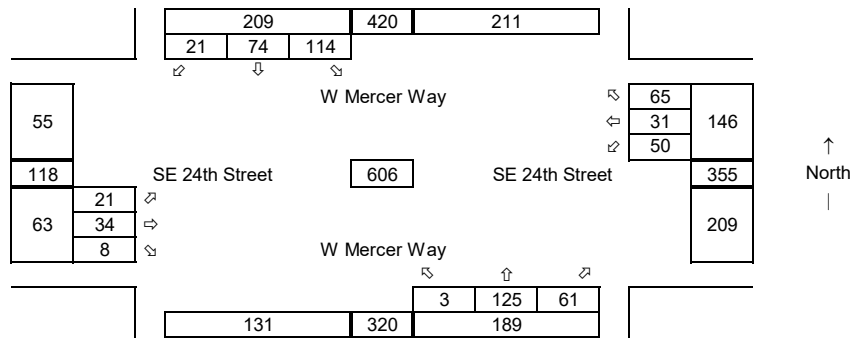
Future with Project
 Average Weekday
 AM Peak Hour



Synchro ID: 2
Existing
 Average Weekday
 AM Peak Hour
 Year: 4/15/21
 Data Source: TDG



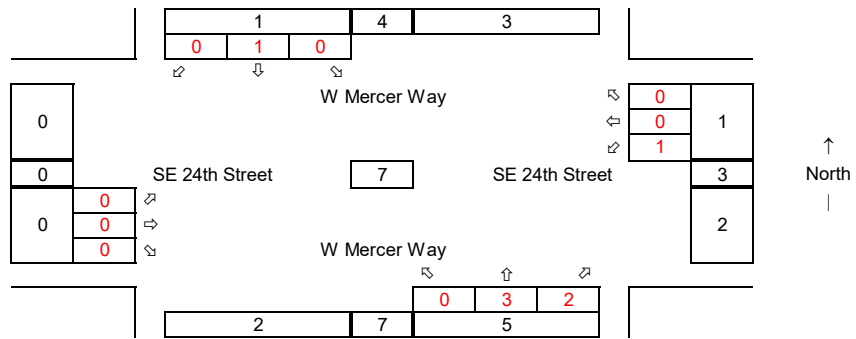
Normalized Existing (COVID-19 Factor)
 Average Weekday
 AM Peak Hour
 Percent Change: 25.0%



Future without Project
 Average Weekday
 AM Peak Hour
 Year: 2024
 Growth Rate = 0.5%
 Years of Growth = 3
 Total Growth = 1.0151



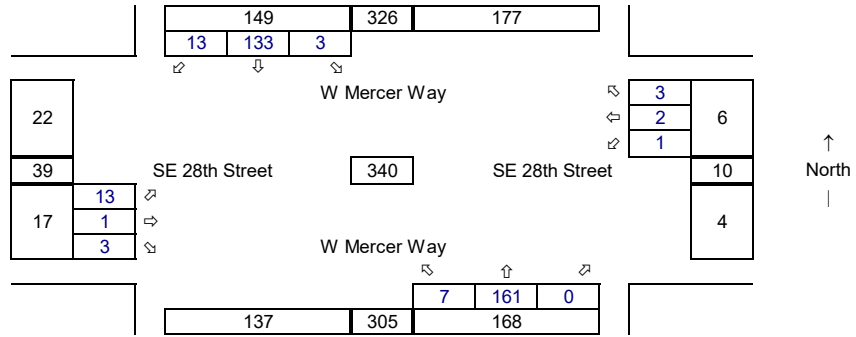
Total Project Trips
 Average Weekday
 AM Peak Hour



Future with Project
 Average Weekday
 AM Peak Hour



Synchro ID: 1
Existing
 Average Weekday
 PM Peak Hour
 Year: 4/14/21
 Data Source: TDG



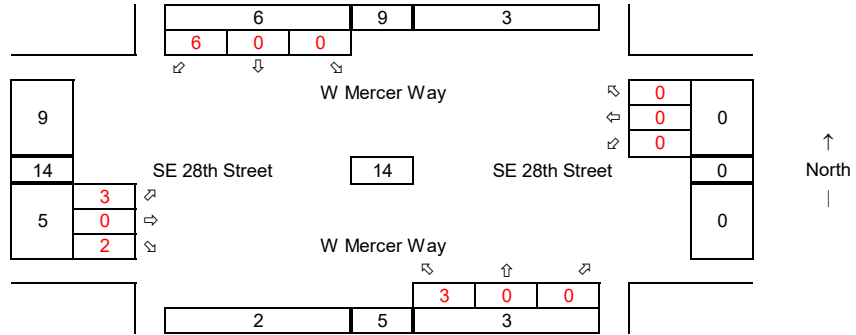
Normalized Existing (COVID-19 Factor)
 Average Weekday
 PM Peak Hour
 Percent Change: 25.0%
 Based on I-90 Volumes during that week.



Future without Project
 Average Weekday
 PM Peak Hour
 Year: 2024
 Growth Rate = 0.5%
 Years of Growth = 3
 Total Growth = 1.0151



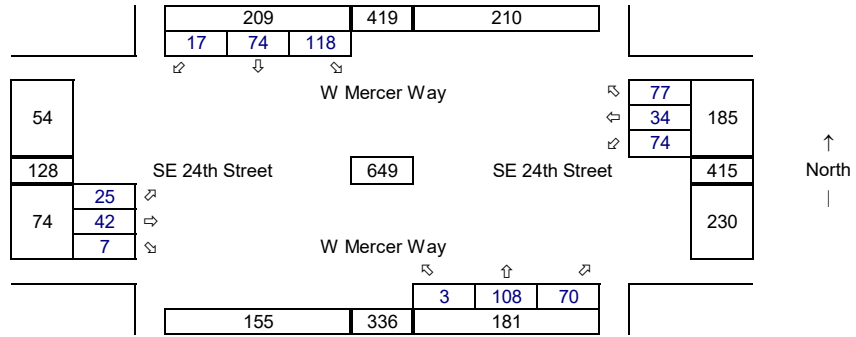
Total Project Trips
 Average Weekday
 PM Peak Hour



Future with Project
 Average Weekday
 PM Peak Hour



Synchro ID: 2
Existing
 Average Weekday
 PM Peak Hour
 Year: 4/14/21
 Data Source: TDG



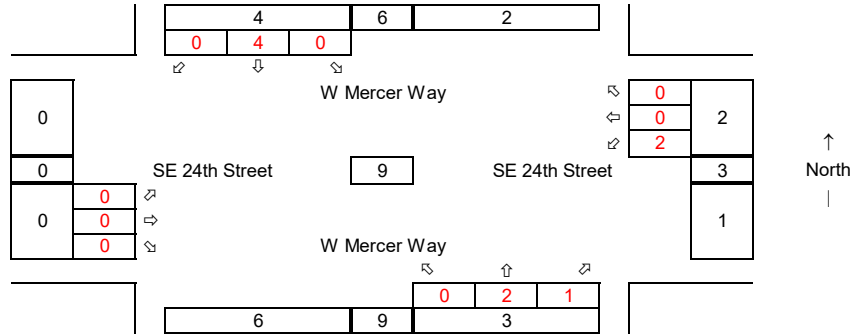
Normalized Existing (COVID-19 Factor)
 Average Weekday
 PM Peak Hour
 Percent Change: 25.0%



Future without Project
 Average Weekday
 PM Peak Hour
 Year: 2024
 Growth Rate = 0.5%
 Years of Growth = 3
 Total Growth = 1.0151



Total Project Trips
 Average Weekday
 PM Peak Hour



Future with Project
 Average Weekday
 PM Peak Hour



AM Level of Service Calculations

HCM 6th TWSC
 1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	9	0	11	1	0	3	6	196	0	10	106	10
Future Vol, veh/h	9	0	11	1	0	3	6	196	0	10	106	10
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	4
Mvmt Flow	10	0	12	1	0	3	6	211	0	11	114	11

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	368	367	120	373	372	214	125	0	0	213	0	0
Stage 1	142	142	-	225	225	-	-	-	-	-	-	-
Stage 2	226	225	-	148	147	-	-	-	-	-	-	-
Critical Hdwy	7.14	6.54	6.24	7.14	6.54	6.24	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.536	4.036	3.336	3.536	4.036	3.336	2.236	-	-	2.236	-	-
Pot Cap-1 Maneuver	585	559	926	580	555	821	1449	-	-	1345	-	-
Stage 1	856	775	-	773	714	-	-	-	-	-	-	-
Stage 2	772	714	-	850	772	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	576	550	926	566	546	819	1449	-	-	1343	-	-
Mov Cap-2 Maneuver	576	550	-	566	546	-	-	-	-	-	-	-
Stage 1	852	768	-	768	709	-	-	-	-	-	-	-
Stage 2	764	709	-	832	765	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	10.1		9.9		0.2		0.6	
HCM LOS	B		A					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1449	-	-	727	737	1343	-
HCM Lane V/C Ratio	0.004	-	-	0.03	0.006	0.008	-
HCM Control Delay (s)	7.5	0	-	10.1	9.9	7.7	0
HCM Lane LOS	A	A	-	B	A	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-

Existing AM
 GTC (MJP)

AM Peak

HCM 6th AWSC
 2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	9.4
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	21	34	8	50	31	65	3	125	61	114	74	21
Future Vol, veh/h	21	34	8	50	31	65	3	125	61	114	74	21
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	23	37	9	54	33	70	3	134	66	123	80	23
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	8.8			9.2			9.3			9.9		
HCM LOS	A			A			A			A		

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	2%	33%	34%	55%
Vol Thru, %	66%	54%	21%	35%
Vol Right, %	32%	13%	45%	10%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	189	63	146	209
LT Vol	3	21	50	114
Through Vol	125	34	31	74
RT Vol	61	8	65	21
Lane Flow Rate	203	68	157	225
Geometry Grp	1	1	1	1
Degree of Util (X)	0.259	0.097	0.211	0.299
Departure Headway (Hd)	4.589	5.155	4.841	4.792
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	778	690	736	746
Service Time	2.644	3.225	2.903	2.846
HCM Lane V/C Ratio	0.261	0.099	0.213	0.302
HCM Control Delay	9.3	8.8	9.2	9.9
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1	0.3	0.8	1.3

Existing AM
 GTC (MJP)

AM Peak

HCM 6th TWSC
1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	9	0	11	1	0	3	6	199	0	10	108	10
Future Vol, veh/h	9	0	11	1	0	3	6	199	0	10	108	10
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	4
Mvmt Flow	10	0	12	1	0	3	6	214	0	11	116	11

Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	373	372	122	378	377	217	127	0	0	216	0	0
Stage 1	144	144	-	228	228	-	-	-	-	-	-	-
Stage 2	229	228	-	150	149	-	-	-	-	-	-	-
Critical Hdwy	7.14	6.54	6.24	7.14	6.54	6.24	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.536	4.036	3.336	3.536	4.036	3.336	2.236	-	-	2.236	-	-
Pot Cap-1 Maneuver	580	555	924	576	551	818	1447	-	-	1342	-	-
Stage 1	854	774	-	770	712	-	-	-	-	-	-	-
Stage 2	769	712	-	848	770	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	571	546	924	562	542	816	1447	-	-	1340	-	-
Mov Cap-2 Maneuver	571	546	-	562	542	-	-	-	-	-	-	-
Stage 1	850	767	-	765	707	-	-	-	-	-	-	-
Stage 2	761	707	-	830	763	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	10.1		9.9		0.2		0.6	
HCM LOS	B		A					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1447	-	-	723	733	1340	-	-
HCM Lane V/C Ratio	0.004	-	-	0.03	0.006	0.008	-	-
HCM Control Delay (s)	7.5	0	-	10.1	9.9	7.7	0	-
HCM Lane LOS	A	A	-	B	A	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-	-

HCM 6th AWSC
 2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	9.5
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	22	34	8	51	32	66	3	127	62	115	75	22
Future Vol, veh/h	22	34	8	51	32	66	3	127	62	115	75	22
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	24	37	9	55	34	71	3	137	67	124	81	24
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	8.8			9.3			9.3			10		
HCM LOS	A			A			A			A		

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	2%	34%	34%	54%
Vol Thru, %	66%	53%	21%	35%
Vol Right, %	32%	12%	44%	10%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	192	64	149	212
LT Vol	3	22	51	115
Through Vol	127	34	32	75
RT Vol	62	8	66	22
Lane Flow Rate	206	69	160	228
Geometry Grp	1	1	1	1
Degree of Util (X)	0.264	0.099	0.216	0.304
Departure Headway (Hd)	4.605	5.18	4.862	4.805
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	774	686	734	743
Service Time	2.663	3.253	2.925	2.862
HCM Lane V/C Ratio	0.266	0.101	0.218	0.307
HCM Control Delay	9.3	8.8	9.3	10
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.1	0.3	0.8	1.3

HCM 6th TWSC
 1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	14	0	13	1	0	3	7	199	0	10	108	12
Future Vol, veh/h	14	0	13	1	0	3	7	199	0	10	108	12
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	2	2	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	4
Mvmt Flow	15	0	14	1	0	3	8	214	0	11	116	13

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	378	377	123	384	383	217	129	0	0	216	0	0
Stage 1	145	145	-	232	232	-	-	-	-	-	-	-
Stage 2	233	232	-	152	151	-	-	-	-	-	-	-
Critical Hdwy	7.14	6.54	6.24	7.14	6.54	6.24	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.14	5.54	-	6.14	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.536	4.036	3.336	3.536	4.036	3.336	2.236	-	-	2.236	-	-
Pot Cap-1 Maneuver	576	551	923	571	547	818	1444	-	-	1342	-	-
Stage 1	853	773	-	766	709	-	-	-	-	-	-	-
Stage 2	766	709	-	846	769	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	567	542	923	555	538	816	1444	-	-	1340	-	-
Mov Cap-2 Maneuver	567	542	-	555	538	-	-	-	-	-	-	-
Stage 1	848	766	-	760	703	-	-	-	-	-	-	-
Stage 2	758	703	-	826	762	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	10.4	10	0.3	0.6
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1444	-	-	696	730	1340	-
HCM Lane V/C Ratio	0.005	-	-	0.042	0.006	0.008	-
HCM Control Delay (s)	7.5	0	-	10.4	10	7.7	0
HCM Lane LOS	A	A	-	B	B	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-

HCM 6th AWSC
 2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	9.5
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	22	34	8	52	32	66	3	130	64	115	76	22
Future Vol, veh/h	22	34	8	52	32	66	3	130	64	115	76	22
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	24	37	9	56	34	71	3	140	69	124	82	24
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	8.9			9.3			9.4			10		
HCM LOS	A			A			A			A		

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	2%	34%	35%	54%
Vol Thru, %	66%	53%	21%	36%
Vol Right, %	32%	12%	44%	10%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	197	64	150	213
LT Vol	3	22	52	115
Through Vol	130	34	32	76
RT Vol	64	8	66	22
Lane Flow Rate	212	69	161	229
Geometry Grp	1	1	1	1
Degree of Util (X)	0.271	0.099	0.219	0.306
Departure Headway (Hd)	4.609	5.195	4.877	4.815
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	773	683	731	742
Service Time	2.67	3.274	2.944	2.875
HCM Lane V/C Ratio	0.274	0.101	0.22	0.309
HCM Control Delay	9.4	8.9	9.3	10
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.1	0.3	0.8	1.3

PM Level of Service Calculations

HCM 6th TWSC
1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	16	1	4	1	3	4	9	201	0	4	166	16
Future Vol, veh/h	16	1	4	1	3	4	9	201	0	4	166	16
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	7	7	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	19	1	5	1	3	5	10	234	0	5	193	19

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	472	474	203	477	483	242	212	0	0	241	0	0
Stage 1	213	213	-	261	261	-	-	-	-	-	-	-
Stage 2	259	261	-	216	222	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	502	489	838	498	483	797	1358	-	-	1326	-	-
Stage 1	789	726	-	744	692	-	-	-	-	-	-	-
Stage 2	746	692	-	786	720	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	491	480	838	487	474	792	1358	-	-	1318	-	-
Mov Cap-2 Maneuver	491	480	-	487	474	-	-	-	-	-	-	-
Stage 1	783	723	-	734	682	-	-	-	-	-	-	-
Stage 2	731	682	-	777	717	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	12.1		11.1		0.3		0.2	
HCM LOS	B		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1358	-	-	532	596	1318	-
HCM Lane V/C Ratio	0.008	-	-	0.046	0.016	0.004	-
HCM Control Delay (s)	7.7	0	-	12.1	11.1	7.7	0
HCM Lane LOS	A	A	-	B	B	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-

Existing PM
GTC (MJP)

PM Peak

HCM 6th AWSC
2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	13
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	31	53	9	93	43	96	4	135	88	148	93	21
Future Vol, veh/h	31	53	9	93	43	96	4	135	88	148	93	21
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	38	65	11	113	52	117	5	165	107	180	113	26
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	10.7			13.1			12.3			14.2		
HCM LOS	B			B			B			B		

Lane	NBLn1	EBLn1	WBLn1	SBLn1	
Vol Left, %		2%	33%	40%	56%
Vol Thru, %		59%	57%	19%	35%
Vol Right, %		39%	10%	41%	8%
Sign Control		Stop	Stop	Stop	Stop
Traffic Vol by Lane		227	93	232	262
LT Vol		4	31	93	148
Through Vol		135	53	43	93
RT Vol		88	9	96	21
Lane Flow Rate		277	113	283	320
Geometry Grp		1	1	1	1
Degree of Util (X)		0.416	0.193	0.442	0.499
Departure Headway (Hd)		5.415	6.142	5.624	5.62
Convergence, Y/N		Yes	Yes	Yes	Yes
Cap		662	580	637	639
Service Time		3.482	4.226	3.69	3.682
HCM Lane V/C Ratio		0.418	0.195	0.444	0.501
HCM Control Delay		12.3	10.7	13.1	14.2
HCM Lane LOS		B	B	B	B
HCM 95th-tile Q		2	0.7	2.3	2.8

Existing PM
GTC (MJP)

PM Peak

HCM 6th TWSC
 1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	16	1	4	1	3	4	9	204	0	4	169	16
Future Vol, veh/h	16	1	4	1	3	4	9	204	0	4	169	16
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	7	7	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	19	1	5	1	3	5	10	237	0	5	197	19

Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	479	481	207	484	490	245	216	0	0	244	0	0
Stage 1	217	217	-	264	264	-	-	-	-	-	-	-
Stage 2	262	264	-	220	226	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	497	485	833	493	479	794	1354	-	-	1322	-	-
Stage 1	785	723	-	741	690	-	-	-	-	-	-	-
Stage 2	743	690	-	782	717	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	486	476	833	482	470	789	1354	-	-	1314	-	-
Mov Cap-2 Maneuver	486	476	-	482	470	-	-	-	-	-	-	-
Stage 1	778	720	-	730	680	-	-	-	-	-	-	-
Stage 2	728	680	-	773	714	-	-	-	-	-	-	-

Approach	EB		WB		NB			SB		
HCM Control Delay, s	12.2		11.2		0.3			0.2		
HCM LOS	B		B							

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1354	-	-	527	591	1314	-
HCM Lane V/C Ratio	0.008	-	-	0.046	0.016	0.004	-
HCM Control Delay (s)	7.7	0	-	12.2	11.2	7.7	0
HCM Lane LOS	A	A	-	B	B	A	A
HCM 95th %tile Q(veh)	0	-	-	0.1	0	0	-

HCM 6th AWSC
 2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	13.2
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	32	53	9	94	43	98	4	137	89	150	94	22
Future Vol, veh/h	32	53	9	94	43	98	4	137	89	150	94	22
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	39	65	11	115	52	120	5	167	109	183	115	27
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	10.8			13.3			12.5			14.5		
HCM LOS	B			B			B			B		

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	2%	34%	40%	56%
Vol Thru, %	60%	56%	18%	35%
Vol Right, %	39%	10%	42%	8%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	230	94	235	266
LT Vol	4	32	94	150
Through Vol	137	53	43	94
RT Vol	89	9	98	22
Lane Flow Rate	280	115	287	324
Geometry Grp	1	1	1	1
Degree of Util (X)	0.425	0.197	0.45	0.509
Departure Headway (Hd)	5.449	6.188	5.657	5.647
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	656	575	633	636
Service Time	3.52	4.278	3.728	3.716
HCM Lane V/C Ratio	0.427	0.2	0.453	0.509
HCM Control Delay	12.5	10.8	13.3	14.5
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	2.1	0.7	2.3	2.9

HCM 6th TWSC
1: W Mercer Way & SE 28th St

2825 W Mercer Way (19-199)

Intersection

Int Delay, s/veh	1.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	19	1	6	1	3	4	12	204	0	4	169	22
Future Vol, veh/h	19	1	6	1	3	4	12	204	0	4	169	22
Conflicting Peds, #/hr	1	0	0	0	0	1	0	0	7	7	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	86	86	86	86	86	86	86	86	86
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	22	1	7	1	3	5	14	237	0	5	197	26

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	490	492	210	496	505	245	223	0	0	244	0	0
Stage 1	220	220	-	272	272	-	-	-	-	-	-	-
Stage 2	270	272	-	224	233	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	489	478	830	484	470	794	1346	-	-	1322	-	-
Stage 1	782	721	-	734	685	-	-	-	-	-	-	-
Stage 2	736	685	-	779	712	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	477	467	830	470	460	789	1346	-	-	1314	-	-
Mov Cap-2 Maneuver	477	467	-	470	460	-	-	-	-	-	-	-
Stage 1	773	718	-	721	673	-	-	-	-	-	-	-
Stage 2	719	673	-	768	709	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	12.2		11.3		0.4		0.2	
HCM LOS	B		B					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1346	-	-	528	583	1314	-
HCM Lane V/C Ratio	0.01	-	-	0.057	0.016	0.004	-
HCM Control Delay (s)	7.7	0	-	12.2	11.3	7.7	0
HCM Lane LOS	A	A	-	B	B	A	A
HCM 95th %tile Q(veh)	0	-	-	0.2	0	0	-

HCM 6th AWSC
 2: W Mercer Way & SE 24th St

2825 W Mercer Way (19-199)

Intersection

Intersection Delay, s/veh	13.4
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	32	53	9	96	43	98	4	139	90	150	98	22
Future Vol, veh/h	32	53	9	96	43	98	4	139	90	150	98	22
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	39	65	11	117	52	120	5	170	110	183	120	27
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Approach	EB			WB			NB			SB		
Opposing Approach	WB			EB			SB			NB		
Opposing Lanes	1			1			1			1		
Conflicting Approach Left	SB			NB			EB			WB		
Conflicting Lanes Left	1			1			1			1		
Conflicting Approach Right	NB			SB			WB			EB		
Conflicting Lanes Right	1			1			1			1		
HCM Control Delay	10.9			13.5			12.7			14.8		
HCM LOS	B			B			B			B		

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	2%	34%	41%	56%
Vol Thru, %	60%	56%	18%	36%
Vol Right, %	39%	10%	41%	8%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	233	94	237	270
LT Vol	4	32	96	150
Through Vol	139	53	43	98
RT Vol	90	9	98	22
Lane Flow Rate	284	115	289	329
Geometry Grp	1	1	1	1
Degree of Util (X)	0.432	0.198	0.457	0.519
Departure Headway (Hd)	5.473	6.227	5.688	5.669
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	654	571	630	632
Service Time	3.549	4.323	3.763	3.74
HCM Lane V/C Ratio	0.434	0.201	0.459	0.521
HCM Control Delay	12.7	10.9	13.5	14.8
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	2.2	0.7	2.4	3

Collision Data

PRIMARY TRAFFICWAY	INTERSECTING TRAFFICWAY/ REFERENCE POINT NAME	DIST FROM REF POINT	MI or FT	COMP DIR FROM REF POINT	REFERENCE POINT NAME	REPORT NUMBER	DATE	TIME	MOST SEVERE INJURY TYPE	# I N A E D E S	# F V E K	# P B I	VEHICLE 1 TYPE	VEHICLE 2 TYPE
SE 24TH ST	W MERCER WAY	0	0			E548681	2016-05-29	11:50	Possible Injury	1	0	0	Pickup, Panel Truck or Vanette under 10,000 lb	
W MERCER WAY	SE 24TH ST	81	F	S	SE 24TH ST	3509687	2016-11-01	09:25	No Apparent Injury	0	2	0	Pickup, Panel Truck or Vanette under 10,000 lb	Passenger Car
W MERCER WAY	W MERCER WAY	0	0			E584081	2016-09-13	09:05	No Apparent Injury	0	2	0	Pickup, Panel Truck or Vanette under 10,000 lb	Pickup, Panel Truck or Vanette under 10,000 lb
SE 24TH ST	W MERCER WAY	66	F	E	W MERCER WAY	E708623	2017-09-01	06:45	Dead at Scene	2	1	2	0	Passenger Car
SE 28TH ST	SE 24TH ST	0	0			E762786	2017-12-27	22:00	No Apparent Injury	0	2	0	Pickup, Panel Truck or Vanette under 10,000 lb	Pickup, Panel Truck or Vanette under 10,000 lb
W MERCER WAY	SE 24TH ST	0	0			E866421	2018-11-29	16:24	Possible Injury	1	0	1	Pickup, Panel Truck or Vanette under 10,000 lb	Pickup, Panel Truck or Vanette under 10,000 lb
W MERCER WAY	SE 24TH ST	0	0			E888375	2018-11-07	6:15	Possible Injury	1	2	0	0	Passenger Car
W MERCER WAY	SE 24TH ST	0	0			E766732	2018-01-30	9:10	No Apparent Injury	0	2	0	0	Passenger Car
SE 24TH ST	W MERCER WAY	0	0			E902971	2019-03-17	8:48	Suspected Minor Injury	2	0	1	0	Passenger Car

JUNCTION RELATIONSHIP	WEATHER	ROADWAY SURFACE CONDITION	LIGHTING CONDITION	FIRST COLLISION TYPE / OBJECT STRUCK	VEHICLE 1 ACTION	VEHICLE 2 ACTION	VEHICLE 1 COMPASS DIRECTION FROM
At Intersection and Related	Raining	Wet	Daylight	Vehicle - Pedalcyclist	Going Straight Ahead		West
At Intersection and Related	Raining	Wet	Daylight	Entering at angle	Going Straight Ahead	Making Left Turn	North
At Driveway	Clear or Partly Cloudy	Dry	Daylight	From same direction - both going straight - one stopped - rear-end	Going Straight Ahead	Stopped for Traffic	North
At Intersection and Related	Clear or Partly Cloudy	Dry	Daylight	From same direction - both going straight - one stopped - rear-end	Going Straight Ahead	Stopped at Signal or Stop Sign	East
At Driveway	Unknown	Unknown	Other	One parked-one moving	Backing	Legally Parked, Unoccupied	Vehicle Backing
At Intersection and Related	Overcast	Wet	Dusk	Vehicle Strikes Pedalcyclist	Going Straight Ahead		North
At Intersection and Related	Overcast	Wet	Dark-Street Lights On	Entering at angle	Going Straight Ahead	Starting in Traffic Lane	South
At Intersection and Related	Clear or Partly Cloudy	Dry	Daylight	From same direction - both going straight - one stopped - rear-end	Going Straight Ahead	Stopped for Traffic	South
At Intersection and Related	Clear or Partly Cloudy	Dry	Daylight	Vehicle going straight hits pedestrian	Going Straight Ahead		West

VEHICLE 1 COMPASS DIRECTION TO	VEHICLE 2 COMPASS DIRECTION FROM	VEHICLE 2 COMPASS DIRECTION TO	MV DRIVER CONTRIBUTING CIRCUMSTANCE 1 (UNIT 1)	MV DRIVER CONTRIBUTING CIRCUMSTANCE 1 (UNIT 2)	BICYCLIST CONTRIBUTING CIRCUMSTANCE 1 (UNIT 2)
East			Inattention		None
South	West	North	Did Not Grant RW to Vehicle	None	
South	Vehicle Stopped	Vehicle Stopped	Unknown Driver Distraction	Inattention	
West	East	Vehicle Stopped	Under Influence of Alcohol	None	
Vehicle Backing			Improper Backing	None	
South			Inattention		None
North	West	East	Disregard Stop Sign - Flashing Red	None	
North	Vehicle Stopped	Vehicle Stopped	Inattention	None	
East			Other Contributing Circ Not Listed		

PEDESTRIAN CONTRIBUTING CIRCUMSTANCE 1 (UNIT ?)	FIRST IMPACT LOCATION (City, County & Misc Trafficways - 2010 forward)	WA STATE PLANE SOUTH - X 2010 - FORWARD	WA STATE PLANE SOUTH - Y 2010 - FORWARD
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.7
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.7
Lane of Primary Trafficway	Lane of Primary Trafficway	1209043.69	827388.19
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.71
Intersecting Trafficway	Intersecting Trafficway	1208968.92	826204.91
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.71
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.71
Lane of Primary Trafficway	Lane of Primary Trafficway	1209042.11	827468.71
None	None	1209042.11	827468.71

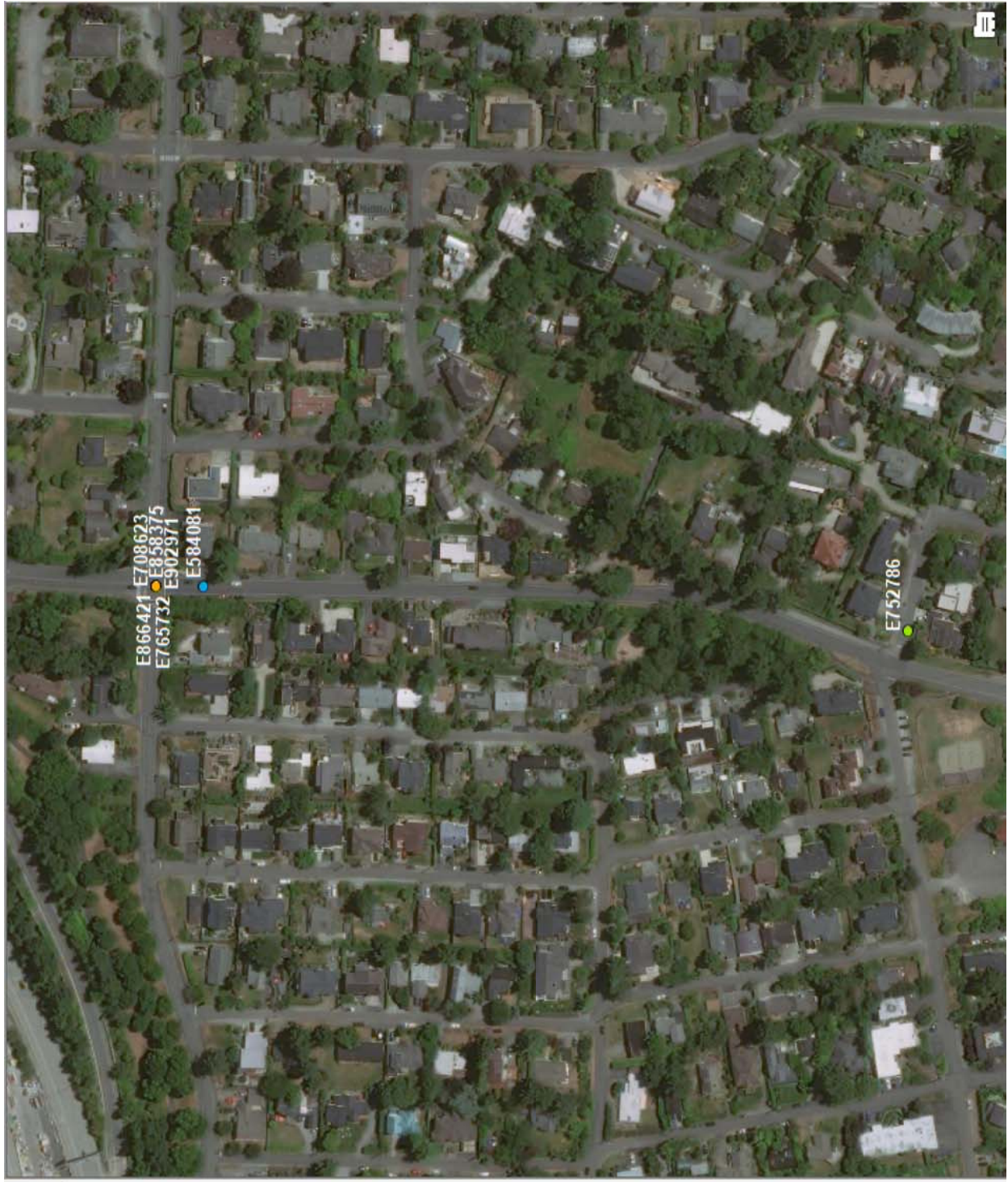


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