

MEMORANDUM

Date:	February 4, 2016	TG:	15023.00
To:	Scott Smith, City of Mill Creek		
From:	Mike Swenson – PE, PTOE Jesse Birchman – PE, PTOE		
cc:	Mark Ossello – Inland Group Ryan Patterson – Vintage Housing		
Subject:	Vintage at Mill Creek – Traffic Impact Analysis		

This Transportation Impact Analysis (TIA) summarizes the potential transportation-related impacts associated with the proposed Vintage at Mill Creek development located in the East Gateway Urban Village (EGUV) in Mill Creek, Washington. This analysis summarizes the proposed development, estimates the project’s weekday PM peak hour trip generation, distribution and assignment of trips to the roadway network, and estimates the project’s transportation impact fee and mitigation offer to Snohomish County. This scope was coordinated in advance with City of Mill Creek staff and satisfies the TIA requirements for projects developed in the EGUV area.

This memorandum presents a revised trip generation estimate for the project based on site specific data collected at Vintage projects in the northwest. Specifically, this memorandum presents a revised trip generation estimate, trip assignment, and impact fee calculations. Information required as part of the interlocal agreement with Snohomish County has also been updated and presented herein.

Project Description

The proposed Vintage at Mill Creek development would construct senior apartments and retail space within the EGUV on the Mollgaard parcel evaluated in the September 2012 *Traffic Analysis and Development Standards*. The project would construct a total of 216 affordable senior apartment units and approximately 16,200 square feet of commercial space,¹ and construct a total of 174 parking stalls (160 spaces on-site, 14 spaces on-street). Figure 1 shows a preliminary site plan, project access, and adjacent roadways. Access to the project would be provided from a north north-south roadway located along the west edge of the project site. This north-south roadway connects to 132nd Street SE (State Route 96 - SR 96).

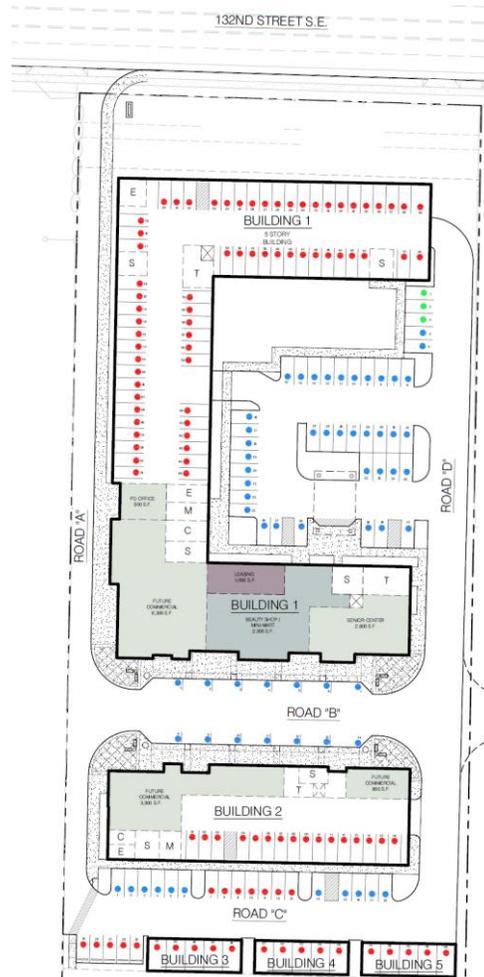


Figure 1 – Preliminary Site Plan

¹ Building 1 Commercial = 6,300 sf; Building 2 Commercial = 4,100 sf; Police Department office = 500 sf; Beauty Shop & Mini Mart = 2,500 sf; and Senior Center = 2,800 sf.

Trip Generation

The following sections describe the trip generation study to identify affordable senior apartment trip generation rates, followed by the estimation of project generated trips using the results of the trip generation study and industry standard rates for the retail land use.

Affordable Senior Apartments Trip Generation Study

As noted previously, the proposed project includes senior attached housing, focusing on providing affordable housing. This is a land use that has limited information in the ITE Trip Generation Manual. As such, this study was conducted to provide a better basis for estimating the anticipated trip generation for the project. The trip generation observes and analyzes weekday daily, AM, and PM peak hour trip generation rates for affordable senior apartment developments consistent with the methodology described in ITE *Trip Generation Handbook*, 3rd Edition (2014). This included observing the total trip generation rate by counting all vehicles traveling to/from each site.

Counts were conducted at three existing Vintage housing projects on Tuesday April 7 and Wednesday April 8, 2015. Automated vehicle counters and/or video cameras were placed at all site access driveways and adjacent on-street parking, depending on geometric limitations of each site. Counts were collected at the following facilities:

Vintage Housing Apartments

1. Vintage at Everett (242 du) – 1001 E Marine View Drive, Everett, WA (four driveways and on-street parking)
2. Holly Village (152 du) – 9615 Holly Drive, Everett, WA (three driveways)
3. Vintage at Tacoma (231 du) – 4023 S Lawrence Street, Tacoma, WA (four driveways and on-street parking)

A more detailed summary of these locations and illustrations of their driveway locations is provided in Attachment A. For the purposes of the analysis, the trip generation was analyzed for weekday daily, AM peak, and PM peak period trip generation rates. Detailed count data is provided in Attachment B. Note that due to limitations at the Vintage at Everett and Vintage at Tacoma sites with respect to data collection methodology, assumptions were necessary to estimate weekday daily and AM peak hour trips. The Holly Village site is not located adjacent to on-street parking and automated tube counters alone were used for the counts at the site access driveways.

At the Vintage at Everett site, on-street parking trips during the weekday PM peak hour were equivalent to approximately 4 percent of the automated tube counter volumes. In addition, because of the site layout driveways counts were collected using both video cameras and automated tube counters and showed that the tube counters overestimate vehicle trips by approximately 13 percent. These proportions were then used to estimate weekday daily and AM peak hour trips at the Vintage at Everett site.

On-street parking was also provided at the Vintage at Tacoma site. Video observations during the weekday PM peak hour showed on-street parking related trips were equivalent to approximately 19 percent of weekday PM peak hour tube count volumes. This proportion was then used to estimate daily and AM peak hour on-street related trips and added to observed to tube counts to estimate total site trips.

Based upon the observed volumes at each site, the average weekday AM and PM peak hour trip generation analysis results for the Affinity Apartments are summarized in Table 1. A more detailed summary is also provided in Attachment B.

Table 1. Affordable Senior Apartment Trip Generation Study Summary

Site	Daily			AM Peak Hour			PM Peak Hour		
	In	Out	Total	In	Out	Total	In	Out	Total
Vintage at Everett (242 units)	300	422	721	21	33	55	28	20	48
Site Trip Rate	42%	59%	2.98	38%	60%	0.23	58%	42%	0.20
Holly Village (152 units)	165	163	328	11	13	24	16	12	28
Site Trip Rate	50%	50%	2.15	45%	55%	0.15	56%	44%	0.18
Vintage at Tacoma (231 units)	398	450	848	24	27	51	35	38	73
Site Trip Rate	47%	53%	3.67	48%	52%	0.22	48%	52%	0.32
Weighted Average Trip Rate per Dwelling Unit	46%	54%	3.03	43%	57%	0.21	54%	46%	0.24

1. Daily and AM peak hour on-street parking trips are estimated consistent with 4% of tube counts during PM peak hour.
2. Daily and AM peak hour volumes at Vintage at Everett are estimate based on the video-to-tube correction factor of 13%.
3. Daily and AM peak hour on-street parking trips are estimated consistent with 19% of tube counts during PM peak hour.

In general, these trip generation rates are lower than the rates for general apartment (LU #210) in the Institute of Transportation Engineers' (ITE) *Trip Generation* (9th Edition, 2012). Compared to the trip rates previously uses, the weekday daily trip rate are 12 percent lower, the PM peak hour rate is 23 percent lower, while the weekday AM peak hour is 5 percent higher.

Trip Generation Estimate

Consistent with the EGUV TIA requirements, project trip generation estimates were developed for the Vintage at Mill Creek based on the preceding trip generation study and information contained in the Institute of Transportation Engineers' (ITE) *Trip Generation* (9th Edition, 2012) and *Trip Generation Handbook* (3rd Edition, 2014). Trip Generation is a nationally recognized and locally accepted method for determining trip generation for private and public developments. Trips generated by the retail portion of the project were calculated as Shopping Center (ITE LU #820). In addition, a deduction of 25 percent to reflect trips that travel between uses within the EGUV site was also deducted. Table 2 summarizes the estimated trip generation for the site.

Table 2. Weekday Trip Generation

Land Use	Size	Rate ¹	Gross Trips	Internal Trips ²	Pass-by Trips ³	Project Trips		
						Total	In	Out
<u>Weekday Daily</u>								
Senior Apartments	216 units	3.03	654	164	-	490	245	245
Retail (LU #820)	16.200 ksf ⁴	42.70	692	174	176	342	171	171
<i>Building 1 Commercial</i>	6.3 ksf					134	67	67
<i>Building 2 Commercial</i>	4.1 ksf					86	43	43
<i>Police Department Office</i>	0.5 ksf					10	5	5
<i>Beauty Shop & Mini-Mart</i>	2.5 ksf					52	26	26
<i>Senior Center</i>	2.8 ksf					60	30	30
Total Trips			1,346	338	176	832	416	416
<u>Weekday AM Peak Hour</u>								
Senior Apartments	216 units	0.21	45	12	-	34	14	20
Retail (LU #820)	16.200 ksf	0.96	16	5	-	11	7	4
<i>Building 1 Commercial</i>	6.3 ksf					4	3	1
<i>Building 2 Commercial</i>	4.1 ksf					3	2	1
<i>Police Department Office</i>	0.5 ksf					0	0	0
<i>Beauty Shop & Mini-Mart</i>	2.5 ksf					2	1	1
<i>Senior Center</i>	2.8 ksf					2	1	1
Total Trips			61	16	0	45	21	24
<u>Weekday PM Peak Hour</u>								
Senior Apartments	216 units	0.24	52	13	-	39	21	18
Retail (LU #820)	16.200 ksf	3.71	60	15	16	29	14	15
<i>Building 1 Commercial</i>	6.3 ksf					11	5	6
<i>Building 2 Commercial</i>	4.1 ksf					7	4	3
<i>Police Department Office</i>	0.5 ksf					1	0	1
<i>Beauty Shop & Mini-Mart</i>	2.5 ksf					4	2	2
<i>Senior Center</i>	2.8 ksf					6	3	3
Total Trips			112	28	16	68	35	33

1. Trip rates per the Vintage Housing trip generation study
2. Internal trip reduction of 25 percent per East Gateway Urban Village (EGUV) TIA requirements (page A2).
3. Pass-by trip rates for retail uses are for ITE *Trip Generation Handbook* (3rd Edition, 2014). Weekday PM peak hour pass-by rate assumed for daily pass-by.
4. ksf = 1,000 square-feet

As shown, the overall project is anticipated to generate 1,346 gross daily trips at the site access driveways with 61 during the morning peak commute hour and 112 during the evening peak commute hour. When accounting for the trips between EGUV land uses and pass-by trips of the retail use, the new trips associated with the project total 832 daily, 45 AM peak hour, and 68 PM peak hour trips.

Table 3. Project Comparison to East Gateway Urban Village Land Uses & Trips

Land Use	Evaluated Uses		Approved To-Date ¹		Proposed Project		Remaining
	Quantity	PM Peak Hour Trips	Quantity	PM Peak Hour Trips ²	Quantity	PM Peak Hour Trips ³	PM Peak Hour Trips
Free Standing Discount Store	132,500 sf	662	-	-	-	-	662
Church	25,700 sf	14	25,700 sf	14	-	-	0
Medical-Dental Office	24,000 sf	81	24,000 sf	81	-	-	0
Library	30,000 sf	219	-	-	-	-	219
Specialty Retail Center	78,000 sf	207	24,000 sf	64	16,200 sf	29	114
Residential Townhome	117 units	69	122 units	72	-	-	-3
Apartments	327 units	192	180 units	106	216 units	39	47
City Park	1.06 acres	0	1.26 acres	0	-	-	0
Total Weekday PM Peak Hour Trips		1,444		337		68	1,039

1. Developments approved to-date are summarized on the City of Mill Creek's website. www.cityofmillcreek.com/index.aspx?NID=143 (accessed 2/13/2015, 9:30 a.m.)
2. Weekday PM peak hour trip generation for developments approved to-date are estimated by factoring the trips evaluated in the East Gateway Urban Village - Update Traffic Analysis and Development Standards, DKS Associates, September 2012
3. Weekday PM peak hour trip generation for the proposed project was estimated based on a trip generation for similar senior apartment projects, and ITE *Trip Generation* (9th Edition, 2012) and *Trip Generation Handbook* (3rd Edition, 2014) for the retail use.

As shown in Table 3, the trips generated by the proposed project are consistent with and less than those evaluated in the previous analysis of EGUV impacts. Based on this, the proposed project is consistent with the previous analysis.

Mitigation

To mitigate general transportation related impacts of the proposed development, the project would be required to pay City of Mill Creek transportation impact fees and Snohomish County traffic mitigation fee. These fees provide funding for transportation-related projects throughout the City and County. Fees would be assessed when building permits for the project are issued. Because the proposed Police Department office and Senior Center uses provide a community benefit, City staff have indicated that impact fees are not required for these uses.

The City's current Transportation Impact Fee⁴ is \$3,000 per weekday PM peak hour trip. Based on the proposed development's 68 total estimated new weekday PM peak hour off-site trips, this results in a transportation impact fee of \$204,000. As shown in Table 2, the Police Department office and Senior Center uses are estimated to generate 7 PM peak hour trips which is equivalent to \$21,000 of the total estimated impact fee. With City approval of a deducted fee for these uses, the total City impact fee is estimated to be **\$183,000**.

The Snohomish County traffic mitigation fee was estimated separately for the proposed residential and commercial land uses. Consistent with the interlocal agreement between the City of Mill Creek and Snohomish County, the standard 70 percent of project trips were assumed to impact county roads. This percentage was applied to the calculated commercial and residential trip generation. Snohomish County impact fees applied to the project were \$227 per ADT for the residential uses and \$267 per ADT for the commercial uses. This results in an estimated residential mitigation fee of \$77,861.00 and a commercial mitigation fee of \$63,919.80, and totals \$141,780.80. The Police Department office is estimated to generate 10 weekday commercial trips as shown in Table 2, and based on the fee per commercial trip is equivalent to \$1,869.00. The Senior Center is estimated to generate 60 weekday residential trip equivalent to \$11,214.00. If the County accepts deductions for these two uses, the total Snohomish County mitigation fee is estimated to be **\$128,697.80**.

⁴ City of Mill Creek Ordinance 2011-735

Attachment A: Vintage Housing Trip Generation Study Site Descriptions

Holly Village *3 Tubes

152 affordable senior apartment units
9615 Holly Drive, Everett, WA 98204



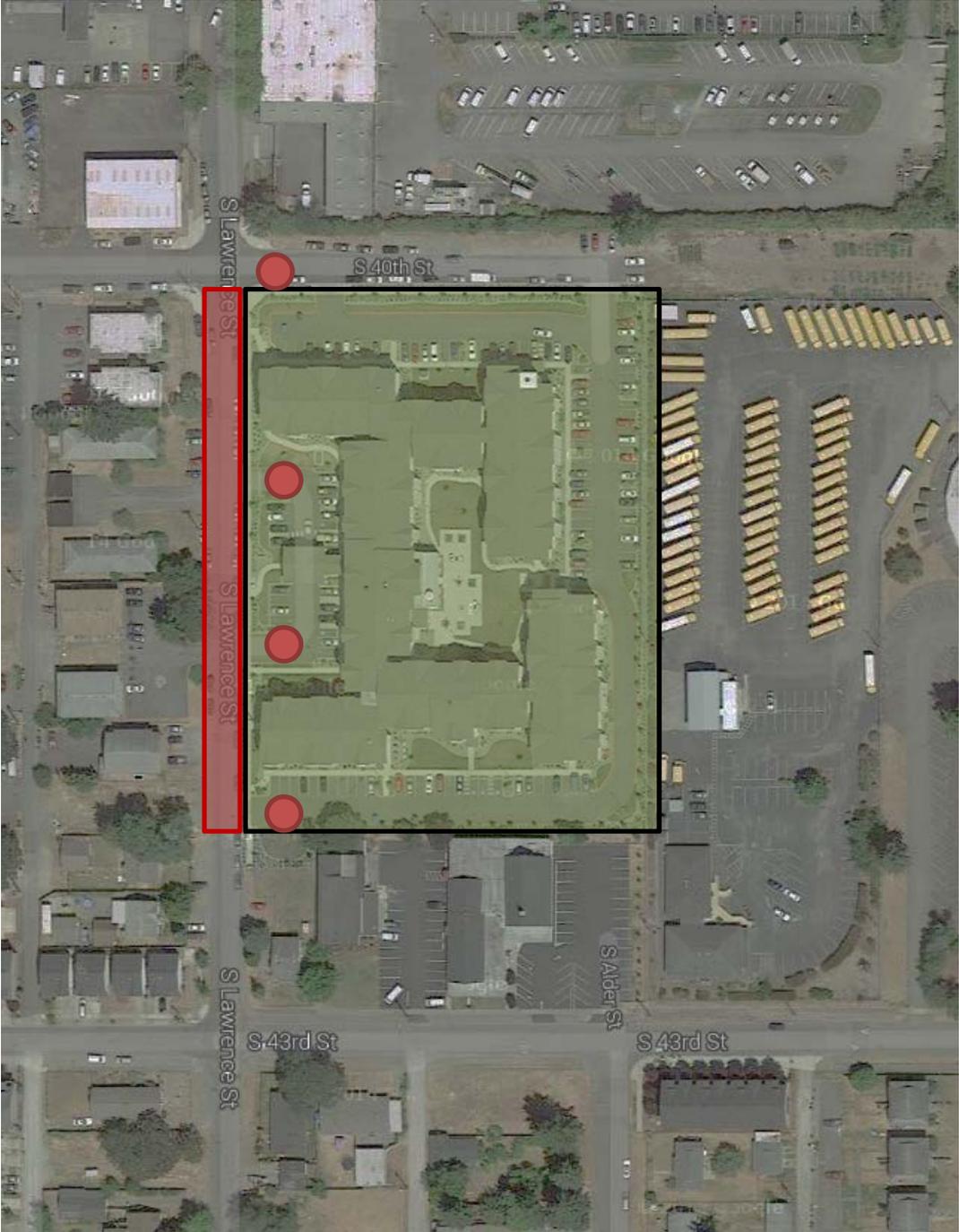
Vintage at Everett

242 affordable apartment units
1001 East Marine View Drive, Everett, WA 98201



Vintage at Tacoma

231 affordable apartment units
4023 S Lawrence Street, Tacoma, WA 98409



Attachment B: Vintage Housing Trip Generation
Study Summary & Data

Vintage Housing Trip Generation Summary (3/7/15 & 3/8/15)

Site		Daily			AM Peak Hour			PM Peak Hour		
		In	Out	Total	In	Out	Total	In	Out	Total
Vintage at Everett	Tubes	332	466	797	24	38	61	24	29	53
	On-Street (4% of Tubes) ¹	13	19	32	1	1	2	0	2	2
	Total	345	485	829	25	39	63	24	31	55
	Video (All Driveways) ²	300	422	721	21	33	55	28	20	48
	242 units	42%	59%	2.98	38%	60%	0.23	58%	42%	0.20
Holly Village	Tubes	165	163	328	11	13	24	16	12	28
	Video	0	0	0	0	0	0	0	0	0
	Total	165	163	328	11	13	24	16	12	28
	152 units	50%	50%	2.15	45%	55%	0.15	56%	44%	0.18
Vintage at Tacoma	Tubes	335	378	713	20	23	43	29	32	61
	On-Street (19% of Tubes) ³	63	72	135	4	4	8	6	6	12
	Total	398	450	848	24	27	51	35	38	73
	231 units	47%	53%	3.67	48%	52%	0.22	48%	52%	0.32
Weighted Average		46%	54%	3.03	43%	57%	0.21	54%	46%	0.24

4% of tubes on-street

13% Video is less than tubes

19% of tubes on-street

1. Daily and AM peak hour on-street parking trips are estimated consistent with 4% of tube counts during PM peak hour.
2. Daily and AM peak hour volumes at Vintage at Everett are estimate based on the video-to-tube correction factor of 13%.
3. Daily and AM peak hour on-street parking trips are estimated consistent with 19% of tube counts during PM peak hour.

Vintage Housing Trip Generation (3/7/15 & 3/8/15) - Video Data

EVERETT ON-STREET PARKING - TUESDAY

	IN	OUT	IN	OUT
16:00	1	0	3	7
16:15	0	0	8	3
16:30	0	0	7	8
16:45	0	0	8	0
17:00	0	1	4	7
17:15	0	0	3	6
17:30	0	0	6	2
17:45	0	0	9	6

44

27 18 45

43

36

43

EVERETT ON-STREET PARKING - WEDNESDAY

	IN	OUT	IN	OUT
16:00	0	0	6	10
16:15	0	0	7	3
16:30	1	0	7	2
16:45	1	1	8	7
17:00	0	1	2	3
17:15	0	1	5	8
17:30	0	0	6	3
17:45	1	1	9	6

28

22

50

39

42

42

42

NORTH DW (B1)- TUESDAY

	IN	OUT
16:00	1	1
16:15	2	1
16:30	1	3
16:45	2	0
17:00	1	0
17:15	0	2
17:30	1	1
17:45	3	4

SOUTH DW (B2)-TUESDAY

	IN	OUT
16:00	0	0
16:15	2	0
16:30	4	0
16:45	1	0
17:00	1	0
17:15	3	1
17:30	2	0
17:45	4	1

NORTH DW (B1)-WEDNESDAY

	IN	OUT
16:00	2	5
16:15	1	2
16:30	0	0
16:45	3	5
17:00	0	1
17:15	1	3
17:30	2	2
17:45	1	2

SOUTH DW (B2)-WEDNESDAY

	IN	OUT
16:00	2	0
16:15	4	0
16:30	2	0
16:45	3	0
17:00	1	0
17:15	4	0
17:30	2	0
17:45	5	0

WEST DW (11TH ST) (B3) - TUESDAY

	IN	OUT
16:00	0	1
16:15	1	0
16:30	0	1
16:45	2	0
17:00	2	0
17:15	0	0
17:30	0	0
17:45	0	0

EAST DW (11TH ST) (B4)- TUESDAY

	IN	OUT
16:00	1	5
16:15	3	2
16:30	2	4
16:45	3	0
17:00	0	6
17:15	0	3
17:30	3	1
17:45	2	1

WEST DW (11TH ST) (B3)- WEDNESDAY

	IN	OUT
16:00	0	2
16:15	0	0
16:30	2	0
16:45	0	0
17:00	0	0
17:15	0	1
17:30	0	1
17:45	1	1

EAST DW (11TH ST) (B4)- WEDNESDAY

	IN	OUT
16:00	2	3
16:15	2	1
16:30	2	2
16:45	1	1
17:00	1	1
17:15	0	3
17:30	2	0
17:45	1	2

TACOMA ON-STREET PARKING - TUESDAY

	IN	OUT
16:00	1	2
16:15	0	2
16:30	0	1
16:45	0	1
17:00	3	2
17:15	1	3
17:30	2	1
17:45	1	0

TACOMA ON-STREET PARKING - WEDNESDAY

	IN	OUT
16:00	0	1
16:15	1	3
16:30	3	2
16:45	0	3
17:00	1	3
17:15	2	0
17:30	0	1
17:45	1	0

Location A – Holly Village Traffic Counts

Location: NORTH DW
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: A1

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average							
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015										
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total		
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	0	0	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
5:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
6:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
7:00 AM	0	2	2	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
8:00 AM	0	0	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
9:00 AM	1	1	2	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3
10:00 AM	1	6	7	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	6
11:00 AM	1	2	3	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	5
12:00 PM	2	0	2	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	3
1:00 PM	0	4	4	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	6
2:00 PM	2	2	4	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5
3:00 PM	1	2	3	2	6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6
4:00 PM	0	2	2	4	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6
5:00 PM	0	3	3	0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4	4
6:00 PM	2	2	4	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
7:00 PM	0	1	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
8:00 PM	0	0	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
9:00 PM	0	2	2	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
10:00 PM	0	1	1	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	11	30	41	23	41	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	36	53
Percent	27%	73%	-	36%	64%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32%	68%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: MIDDLE DW
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: A2

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average								
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015											
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total			
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0		
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
4:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1	
5:00 AM	2	2	4	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	
6:00 AM	5	3	8	5	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	7	
7:00 AM	5	4	9	6	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	11	
8:00 AM	5	7	12	7	9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	8	14	
9:00 AM	11	7	18	8	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	7	16	
10:00 AM	11	12	23	11	7	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	10	21	
11:00 AM	7	8	15	11	13	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	11	20	
12:00 PM	9	10	19	8	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	11	20	
1:00 PM	9	4	13	8	8	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	6	15	
2:00 PM	15	9	24	11	8	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	9	22	
3:00 PM	8	10	18	13	9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	10	20	
4:00 PM	6	11	17	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	8	12	
5:00 PM	11	9	20	5	8	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	17	
6:00 PM	5	5	10	8	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	13	
7:00 PM	6	8	14	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	11	
8:00 PM	7	4	11	8	4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	4	12	
9:00 PM	2	5	7	0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	6	
10:00 PM	1	1	2	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	
11:00 PM	0	0	0	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	
Total	126	119	245	121	118	239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124	119	242
Percent	51%	49%	-	51%	49%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51%	49%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: SOUTH DW
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: A3

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average							
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015										
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total		
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
5:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
6:00 AM	0	0	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
7:00 AM	3	0	3	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	3
8:00 AM	0	0	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
9:00 AM	1	0	1	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
10:00 AM	0	0	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
11:00 AM	1	2	3	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
12:00 PM	2	2	4	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
1:00 PM	2	0	2	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	3
2:00 PM	3	2	5	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
3:00 PM	0	0	0	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
4:00 PM	0	2	2	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
5:00 PM	3	3	6	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5
6:00 PM	1	0	1	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
7:00 PM	0	0	0	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
8:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
9:00 PM	1	0	1	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
10:00 PM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	18	11	29	26	11	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	11	33
Percent	62%	38%	-	70%	30%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67%	33%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location B – Vintage at Everett Traffic Counts

Location: DW E/O E MARINE VIEW DR
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: B1

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average					
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015								
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	2	0	2	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
4:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
5:00 AM	0	2	2	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
6:00 AM	1	0	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
7:00 AM	0	0	0	0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
8:00 AM	3	5	8	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	8
9:00 AM	2	15	17	0	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	15
10:00 AM	4	9	13	3	8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	9	12
11:00 AM	1	12	13	2	11	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	12	13
12:00 PM	2	12	14	2	10	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	11	13
1:00 PM	3	10	13	3	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	10	13
2:00 PM	1	18	19	7	21	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	20	24
3:00 PM	1	5	6	3	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	7	9
4:00 PM	5	4	9	6	18	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	11	17
5:00 PM	4	10	14	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	8	11
6:00 PM	2	7	9	2	12	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10	12
7:00 PM	3	8	11	0	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	7	9
8:00 PM	1	3	4	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
9:00 PM	1	1	2	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3
10:00 PM	0	1	1	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	37	122	159	37	139	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	131	168
Percent	23%	77%	-	21%	79%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22%	78%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: DW ON E MARINE VIEW DR N/O 11TH ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: B2

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average						
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015									
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
5:00 AM	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
6:00 AM	0	0	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
7:00 AM	3	0	3	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0	4
8:00 AM	8	0	8	8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	0	8
9:00 AM	10	0	10	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	0	11
10:00 AM	10	1	11	14	0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	1	13
11:00 AM	18	1	19	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	1	15
12:00 PM	12	0	12	12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	0	12
1:00 PM	8	0	8	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	10
2:00 PM	10	0	10	12	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	12
3:00 PM	8	0	8	8	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	9
4:00 PM	7	0	7	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	0	9
5:00 PM	10	2	12	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	11
6:00 PM	6	0	6	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	0	9
7:00 PM	7	0	7	10	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	9
8:00 PM	5	0	5	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0	5
9:00 PM	3	0	3	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	3
10:00 PM	2	1	3	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	128	7	135	143	5	148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	6	142
Percent	95%	5%	-	97%	3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96%	4%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: DW ON 11TH ST E/O CHESTNUT ALLEY
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: B3

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
1:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
5:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
6:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
7:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
8:00 AM	0	3	3	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
9:00 AM	0	1	1	0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	3
10:00 AM	0	2	2	0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	3
11:00 AM	1	1	2	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2
12:00 PM	0	0	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
1:00 PM	0	0	0	0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	3
2:00 PM	2	3	5	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
3:00 PM	0	2	2	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
4:00 PM	0	3	3	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
5:00 PM	0	0	0	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
6:00 PM	2	2	4	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
7:00 PM	0	0	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
8:00 PM	1	0	1	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
9:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
10:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	6	17	23	10	23	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	20	28
Percent	26%	74%	-	30%	70%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29%	71%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: DW ON 11TH ST E/O CHESTNUT ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: B4

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015					
	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total	NB	SB	Total
12:00 AM	0	1	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
1:00 AM	0	0	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
2:00 AM	1	0	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
3:00 AM	0	1	1	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
4:00 AM	0	2	2	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
5:00 AM	1	0	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
6:00 AM	0	5	5	0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	4	4
7:00 AM	2	9	11	1	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10	12
8:00 AM	1	8	9	2	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	8	9
9:00 AM	4	11	15	8	18	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	15	21
10:00 AM	4	18	22	7	18	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	18	24
11:00 AM	8	15	23	9	18	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	17	25
12:00 PM	7	17	24	10	17	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	17	26
1:00 PM	4	10	14	9	16	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	13	20
2:00 PM	2	10	12	6	10	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	10	14
3:00 PM	10	13	23	11	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	13	23
4:00 PM	9	10	19	7	6	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	16
5:00 PM	5	11	16	4	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8	13
6:00 PM	3	9	12	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7	11
7:00 PM	3	5	8	3	8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	10
8:00 PM	2	5	7	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5
9:00 PM	2	4	6	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	7
10:00 PM	0	0	0	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
11:00 PM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Total	68	164	232	91	165	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	165	244
Percent	29%	71%	-	36%	64%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33%	67%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location C – Vintage at Tacoma Traffic Counts



Location: S 40TH ST E/O S LAWRENCE ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: C1

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average					
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015								
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	0	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
1:00 AM	0	1	1	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
4:00 AM	0	0	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
5:00 AM	0	0	0	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
6:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
7:00 AM	15	7	22	13	10	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	9	23
8:00 AM	4	10	14	10	6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	15
9:00 AM	4	7	11	5	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	11
10:00 AM	5	8	13	10	10	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	17
11:00 AM	7	11	18	14	13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	23
12:00 PM	11	11	22	11	15	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	13	24
1:00 PM	15	11	26	9	8	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	10	22
2:00 PM	13	8	21	9	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	10	21
3:00 PM	11	9	20	6	19	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	14	23
4:00 PM	8	12	20	6	18	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	15	22
5:00 PM	11	17	28	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	12	21
6:00 PM	15	12	27	17	11	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	12	28
7:00 PM	7	8	15	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	15
8:00 PM	5	5	10	9	6	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	13
9:00 PM	3	4	7	7	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	9
10:00 PM	5	5	10	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	10
11:00 PM	3	2	5	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5
Total	143	149	292	153	167	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148	158	306
Percent	49%	51%	-	48%	52%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48%	52%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: NORTH DW E/O S LAWRENCE ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: C2

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average						
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015									
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
1:00 AM	0	3	3	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
4:00 AM	0	2	2	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
5:00 AM	0	3	3	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	3
6:00 AM	0	1	1	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	2	2
7:00 AM	0	5	5	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
8:00 AM	0	5	5	1	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	6
9:00 AM	3	13	16	1	14	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	14	16
10:00 AM	2	14	16	2	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	11	13
11:00 AM	0	15	15	1	19	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	17	18
12:00 PM	2	7	9	0	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9	10
1:00 PM	2	10	12	0	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9	10
2:00 PM	0	11	11	2	11	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11	12
3:00 PM	2	9	11	2	11	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10	12
4:00 PM	6	13	19	0	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	10	13
5:00 PM	1	13	14	1	15	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	15
6:00 PM	2	5	7	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
7:00 PM	0	3	3	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
8:00 PM	1	2	3	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
9:00 PM	1	3	4	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
10:00 PM	0	1	1	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
11:00 PM	0	0	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
Total	22	138	160	15	126	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	132	151
Percent	14%	86%	-	11%	89%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12%	88%	-

1. Mid-week average includes data between Tuesday and Thursday.



Location: MIDDLE DW E/O S LAWRENCE ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: C3

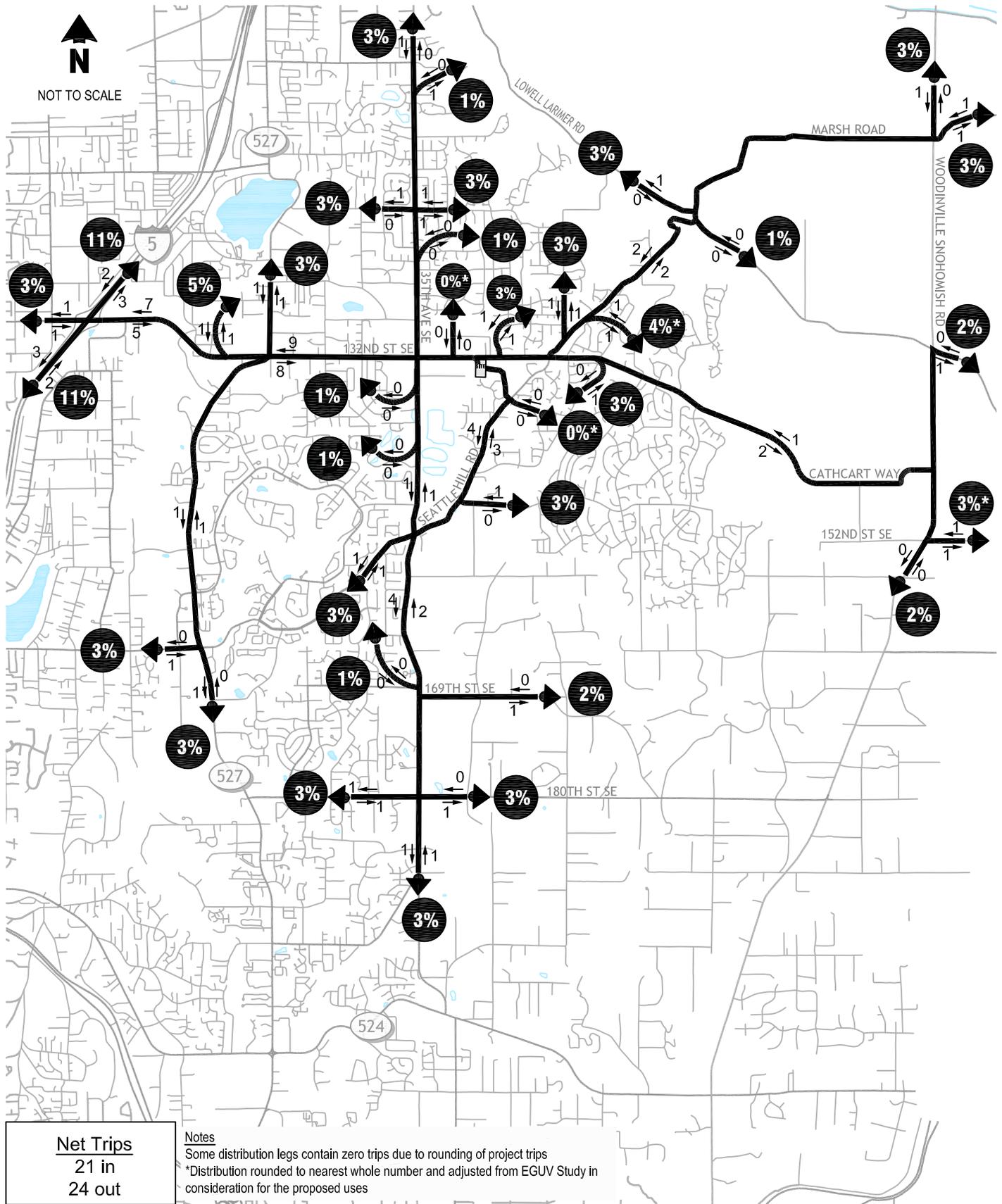
Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average		
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015					
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
1:00 AM	2	0	2	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	1	0	1	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
5:00 AM	2	0	2	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
6:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
7:00 AM	3	0	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
8:00 AM	3	0	3	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	4
9:00 AM	12	2	14	5	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2	10
10:00 AM	7	2	9	5	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	8
11:00 AM	4	0	4	11	1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	1	8
12:00 PM	8	4	12	9	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	4	12
1:00 PM	5	0	5	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	6
2:00 PM	8	2	10	11	5	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	4	13
3:00 PM	6	2	8	13	2	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2	12
4:00 PM	10	2	12	6	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	3	11
5:00 PM	10	2	12	8	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2	11
6:00 PM	5	4	9	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	5
7:00 PM	4	0	4	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0	4
8:00 PM	2	0	2	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	3
9:00 PM	5	0	5	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0	4
10:00 PM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
11:00 PM	0	0	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
Total	99	20	119	92	21	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	21	116
Percent	83%	17%	-	81%	19%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82%	18%	-

1. Mid-week average includes data between Tuesday and Thursday.

Location: SOUTH DW E/O S LAWRENCE ST
 Date Range: 4/7/2015 - 4/13/2015
 Site Code: C4

Time	Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday			Monday			Mid-Week Average						
	4/7/2015			4/8/2015			4/9/2015			4/10/2015			4/11/2015			4/12/2015			4/13/2015									
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total	
12:00 AM	1	1	2	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
1:00 AM	2	0	2	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
2:00 AM	1	0	1	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
4:00 AM	0	1	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	1
5:00 AM	1	0	1	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
6:00 AM	1	1	2	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
7:00 AM	0	3	3	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	4
8:00 AM	5	2	7	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	6
9:00 AM	5	4	9	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	8
10:00 AM	2	2	4	6	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	6
11:00 AM	6	3	9	1	7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	9
12:00 PM	8	6	14	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	7	14
1:00 PM	7	10	17	5	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	8	14
2:00 PM	4	6	10	5	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	10
3:00 PM	11	6	17	8	4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	5	15
4:00 PM	4	5	9	7	2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	9
5:00 PM	3	5	8	6	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	9
6:00 PM	5	5	10	6	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	10
7:00 PM	6	5	11	5	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	11
8:00 PM	1	2	3	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4
9:00 PM	2	2	4	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5
10:00 PM	1	0	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
11:00 PM	1	2	3	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
Total	77	71	148	69	63	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	67	140
Percent	52%	48%	-	52%	48%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52%	48%	-

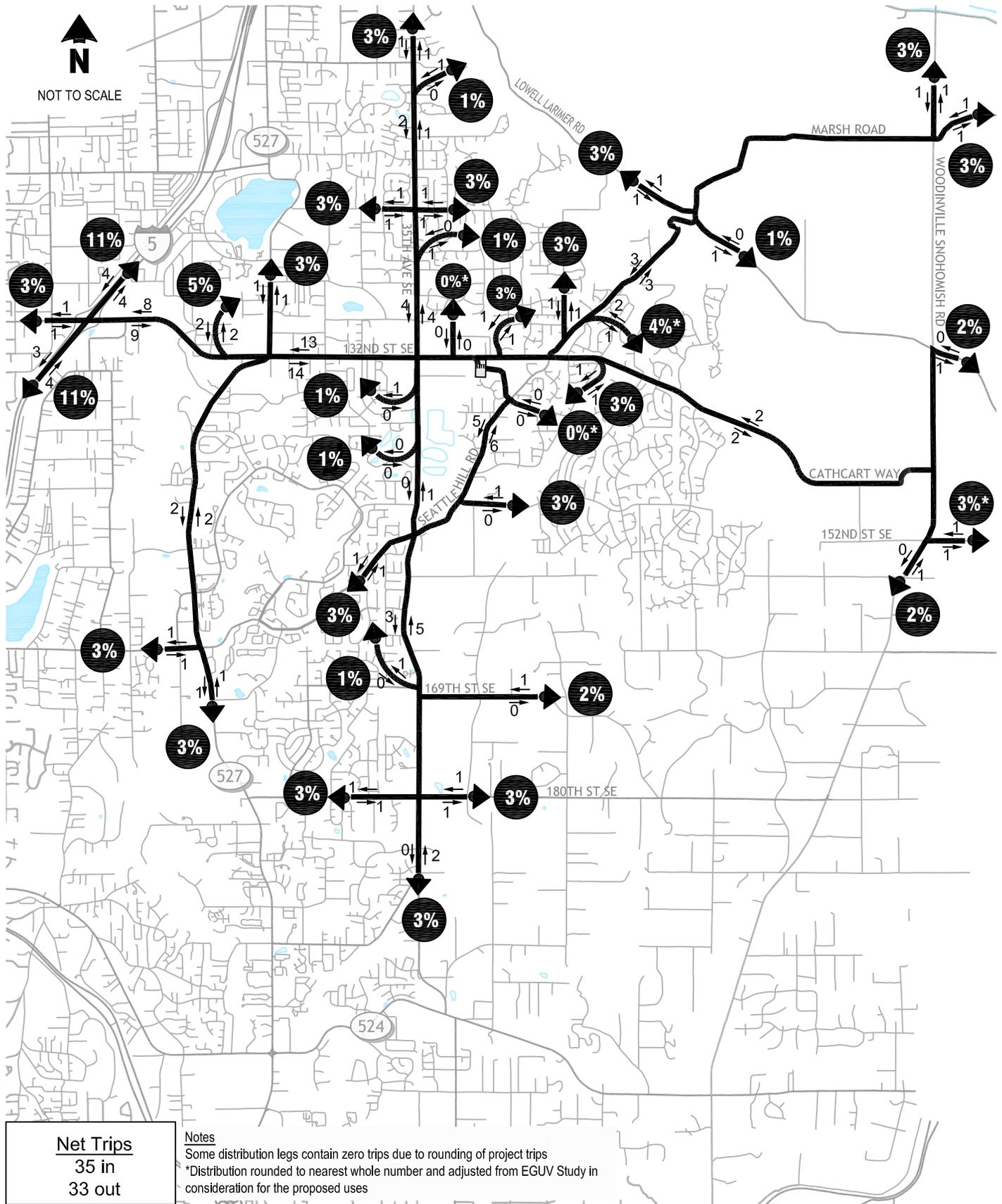
1. Mid-week average includes data between Tuesday and Thursday.



AM Peak Hour Trip Distribution

Vintage at Mill Creek

ATTACHMENT



PM Peak Hour Trip Distribution

Vintage at Mill Creek

ATTACHMENT

<p>177 35TH AVENUE SE 132ND STREET SE</p>	<p>176 35TH AVENUE SE 116TH STREET SE</p>	<p>179 SEATTLE HILL ROAD 132ND STREET SE</p>	<p>194 PUGET PARK DRIVE 134TH PLACE SE</p>	<p>121 N SNO. CASCADE ROAD 134TH PLACE SE</p>
<p>193 SNO. CASCADE DRIVE 134TH PLACE SE</p>	<p>527 PUGET PARK DRIVE CATHCART WAY</p>	<p>123 STATE ROUTE 9 CATHCART WAY</p>	<p>471 51ST AVENUE SE SEATTLE HILL ROAD</p>	<p>170 MARSH ROAD LOWELL-LARIMER ROAD</p>
<p>171 SEATTLE HILL ROAD LOWELL-LARIMER ROAD</p>	<p>169 STATE ROUTE 9 MARSH ROAD</p>	<p>178 35TH AVENUE SE SEATTLE HILL ROAD</p>	<p>180 SEATTLE HILL ROAD 148TH STREET SE</p>	<p>182 35TH AVENUE SE 156TH STREET SE</p>
<p>524 35TH AVENUE SE 164TH STREET SE</p>	<p>181 35TH AVENUE SE 168TH STREET SE</p>	<p>187 35TH AVENUE SE 169TH STREET SE</p>	<p>183 35TH AVENUE SE 180TH STREET SE</p>	<p>231 STATE ROUTE 527 164TH STREET SE</p>
<p>352 ELGIN WAY 132ND STREET SE</p>	<p>351 3RD AVENUE SE 128TH STREET SE</p>	<p>428 I5 RAMP NB 128TH STREET SE</p>	<p>272 I5 RAMP SB 128TH STREET SE</p>	

LEGEND
 X = PM PEAK HOUR TRIPS
 (X) = AM PEAK HOUR TRIPS

AM and PM Project Trip Assignment

Vintage at Mill Creek

ATTACHMENT



D

Attachment E1

Weekday AM Peak Hour Trip Assignment

Int ID#	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
177	0	8	0	1	9	3	0	0	1	2	0	0
176	0	0	0	1	0	0	1	1	1	0	1	0
179	4	2	0	0	2	0	0	0	0	0	0	4
194	0	2	0	0	1	0	1	0	0	0	0	0
121	0	2	0	0	1	0	0	0	0	0	0	0
193	0	2	0	0	1	0	0	0	0	0	0	0
527	0	2	0	0	1	0	0	0	0	0	0	0
123	1	0	1	0	0	0	1	0	0	0	0	0
471	1	3	0	0	3	0	0	0	0	0	0	1
170	0	0	0	0	0	0	1	1	0	0	2	0
171	0	0	2	0	0	0	2	0	0	0	0	0
169	0	1	0	0	1	0	0	0	0	0	0	1
178	0	1	0	4	0	0	0	1	1	0	0	1
180	0	0	0	0	0	1	0	2	0	0	4	0
182	0	0	0	0	0	0	0	2	0	0	4	0
524	0	0	0	0	0	0	0	2	0	0	4	0
181	0	0	0	0	0	0	0	2	0	0	4	0
187	0	0	0	0	0	0	0	2	0	1	3	0
183	1	0	0	0	0	0	0	1	0	1	1	1
231	1	0	0	0	0	0	0	0	0	0	1	0
352	0	5	0	0	7	0	0	0	0	0	0	0
351	0	5	0	0	7	0	0	0	0	0	0	0
428	0	3	0	0	4	3	0	0	2	0	0	0
272	0	1	0	3	1	0	0	0	0	2	0	0

Attachment E2

Weekday PM Peak Hour Trip Assignment

Int ID#	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
177	0	14	0	1	13	4	0	0	1	4	0	0
176	0	0	1	1	0	0	1	1	1	0	2	0
179	6	3	0	0	3	0	0	0	0	0	0	6
194	0	2	1	0	2	0	1	0	0	0	0	0
121	0	2	0	0	2	0	0	0	0	0	0	0
193	0	2	0	0	2	0	0	0	0	0	0	0
527	0	2	0	0	2	0	0	0	0	0	0	0
123	1	0	1	0	0	0	2	0	0	0	0	0
471	1	5	0	0	5	0	0	0	0	0	0	1
170	0	0	1	0	0	0	1	2	0	0	2	0
171	0	0	3	0	0	0	3	0	1	0	0	0
169	1	1	0	0	1	0	0	0	0	0	0	1
178	0	1	0	3	1	0	0	1	4	0	0	0
180	0	0	0	0	0	1	0	5	0	1	4	0
182	0	0	0	0	0	0	0	5	0	0	3	0
524	0	0	0	0	0	0	0	5	0	0	3	0
181	0	0	0	0	0	0	0	5	0	0	2	1
187	0	0	0	0	0	1	0	4	0	0	2	0
183	1	0	0	0	0	1	0	2	0	1	0	1
231	1	0	0	0	0	0	0	1	0	0	1	1
352	0	9	0	0	8	0	0	0	0	0	0	0
351	0	9	0	0	8	0	0	0	0	0	0	0
428	0	5	0	0	4	4	0	0	4	0	0	0
272	0	1	0	3	1	0	0	0	0	4	0	0