

### **PILCHUCK RENTALS**

#### JURISDICTION: CITY OF MARYSVILLE, WA LOCATION: SMOKEY POINT BLVD, SOUTH OF 156<sup>TH</sup> STREET NE

Prepared for: 2812 Architecture 2812 Colby Avenue Everett, Washington 98201

Prepared by: Kimley »Horn

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#### TRAFFIC IMPACT ANALYSIS

FOR

### PILCHUCK RENTALS

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#### 1. **DEVELOPMENT IDENTIFICATION**

Kimley-Horn and Associates, Inc. (Kimley-Horn) has been retained to provide a traffic impact analysis for the Pilchuck Rentals development (Development). This report is intended to provide the City of Marysville (City) and Snohomish County (County) with the necessary traffic generation, trip distribution, and mitigation fee determination to facilitate their reviews of the Development. The Development is located at parcel 31053200102800 on the southwest corner of Smokey Point Boulevard and 156<sup>th</sup> Street NE. A site vicinity map is included in **Figure 1**. The Development is proposed to consist of 15,060 square feet (SF) of equipment rental space. The site is currently being utilized by a trade contractor. The site will primarily access the City street network via one proposed access drive connected to Smokey point Boulevard. A site plan has been provided in **Appendix A**.

Brad Lincoln, responsible for this report and traffic analysis, is a licensed professional engineer (Civil) in the State of Washington and member of the Washington State section of the Institute of Transportation Engineers (ITE).



Figure 1: Site Vicinity Map

#### 2. TRIP GENERATION

The Development is proposed to consist of 15,060 SF of construction equipment rental space. The site currently has 4,440 SF of building space that is being used by a trade contractor. The trip generation calculations have been performed using data published by the ITE *Trip Generation Manual, 11st Edition (2021)*. The average trip generation rates for ITE Land Use Codes (LUC) 811, Construction Equipment Rental, have been used for the proposed use and ITE LUC 180, Specialty Trade Contractor, have been used for the trip generation for the Development are summarized in **Table 1**.

Table	1:	Trip	Generation	Summary
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		Average	AM F	Peak-Hour T	rips	PM F	Peak-Hour	Trips
Land Use	Size	Trips (ADTs)	In	Out	Total	In	Out	Total
Construction Equipment Rental ITE LUC 811	15,060 SF	141.71	10.90	3.26	14.16	4.17	10.74	14.91
Specialty Trade Contractor ITE LUC 180 (Removed)	-4,440 SF	-43.60	-5.45	-1.92	-7.37	-2.74	-5.83	-8.57
TOTAL		98.11	5.45	1.34	6.79	1.43	4.91	6.34

The Development is anticipated to generate approximately 98 new ADTs with approximately 7 new AM peak-hour trips and 6 new PM peak-hour trips. The trip generation calculations are provided in **Appendix B**.

#### **3.** TRIP DISTRIBUTION

The trip distribution for the Development is based on distributions established by the City, which are included in the attachments. The Development is only anticipated to generate approximately 98 new daily trips with approximately 7 new AM peak-hour trips and approximately 6 new PM peak-hour trips. The trip distribution for the 2026 opening year is:

- 57% to and from the north along Smokey Point Boulevard
  - 22% to and from the west along 172<sup>nd</sup> Street NE
  - 26% to and from the east along 172<sup>nd</sup> Street NE
  - 7% to and from local areas
  - 2% to and from the north
- 28% to and from the east along 152<sup>nd</sup> Street NE
- 10% to and from the south along Smokey Point Boulevard
- 5% to and from the west along 156<sup>th</sup> Street NE

The trip distribution for the 2032 horizon year is:

- 52% to and from the north along Smokey Point Boulevard
  - 25% to and from the west along 172<sup>nd</sup> Street NE
  - 20% to and from the east along 172<sup>nd</sup> Street NE
  - 5% to and from local areas
  - 2% to and from the north
- 38% to and from the east along 156<sup>th</sup> Street NE
- 5% to and from the south along Smokey Point Boulevard
- 5% to and from the west along 156<sup>th</sup> Street NE

The only location where there is anticipated to be more than three directional peak-hour trips is along Smokey Point Boulevard north of the site. This trip generation does not meet the City thresholds for analysis and there are not any County key intersections that will be impacted by 3 directional peak-hour trips. Detailed trip distributions for the Development should therefore not be required.

#### 4. SITE ACCESS

The Development is proposed to have one access driveway along Smokey Point Boulevard along the southern property line. The site access will have adequate stopping and intersection sight distances to the north and south, based on preliminary evaluation and experience in the area. It is anticipated that the majority of the trips generated by the Development will travel to and from the north along Smokey Point Boulevard.

#### 5. TRANSPORTATION IMPACT FEES

The City has interlocal agreements with the County and WSDOT for transportation impact fees. These transportation impact fees are based on the area wide traffic mitigation fee or actual impacts to improvement projects.

#### 5.1 City of Marysville

The City traffic mitigation fees have been calculated using the commercial rates of \$2,220 per PM peakhour trip. The Development is anticipated to generate 6.34 new PM peak-hour trips. Therefore, the City of Marysville traffic mitigation fees should be \$14,074.80.

#### 5.2 Snohomish County

The City and County have an interlocal agreement that provides for the payment of traffic mitigation for impacts to County roadways by City developments. Traffic mitigation fees are based on predetermined area impacts or impacts to actual improvement projects. There are not any County improvements projects in the area that would be impacted by three directional PM peak-hour trips generated by the Development. County traffic mitigation fees should therefore not be a condition of the Development.

#### 5.3 Washington State Department of Transportation

WSDOT mitigation fees are based on impacts to improvement projects identified in the Exhibit C List included in the interlocal agreement between the County and WSDOT. There are not any WSDOT intersections on the Exhibit C List that will be impacted by three directional PM peak-hour trips generated by the Development. WSDOT transportation impact fees should therefore not be required for the Development.

#### 6. CONCLUSIONS

The Development is proposed to consist of 15,060 SF of construction equipment rental space. The site is currently used by a trade contractor. The Development is anticipated to generate approximately 98 new average daily trips with approximately 7 new AM peak-hour trips and 6 new PM peak-hour trips. City transportation impact mitigation fees should be \$14,074.80 as the Development is anticipated to generate 6.34 new PM peak-hour trips. Neither County nor WSDOT traffic mitigation fees should be required for the Development.

### APPENDIX A SITE PLAN



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ADAM B. CLARK

ARCHITECT REGISTERED

7 JUNE 2022 PRELIMANARY

**WCHITECTURE** 



**EXPERIMENTAL** 

MAP

VICINITY

SITE PLAN, PROJECT CRITERIA

MARYSVILLE, WASHINGTON 98271 3304 156TH ST NE

PILCHUCK RENTALS - SMOKEY POINT

### **APPENDIX B**

#### **TRIP GENERATION CALCULATIONS**

Pilchuck Rentals 090223122

> Trip Generation for: Weekday (a.k.a.): Average Weekday Daily Trips (AWDT)

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		3 I 1	Trip	%	%	In+Out	% of	Trips	In+Out	% of 	In+Out	% of 	In+Out	In+Out	1	ţ	1	1	1	ţ
	VANABLE	code	Rate	Z	OUT	(Total)	Trips	(Total)	(Total)	Trips	(Total)	Trips	(Total)	(Total)		IIIO	=	IIIO	=	100
Construction Equipment Rental	15.060 K SF	811	9.41	20%	20%	141.71	%0	0	141.71	%0	0.00	%0	0	141.71	0.00	0.00	0	0	70.86	70.85
Specialty Trade Contractor (Removed)	-4.440 K SF	180	9.82	50%	50%	-43.60	%0	0	-43.60	%0	00.0	%0	0	-43.60	00.0	0.00	0	- 0	21.80	-21.80
Total						98.11		0	98.11		0.00		0	98.11	0.00	0.00	0	۲ 0	19.06	49.05

Pilchuck Rentals 090223122 Trip Generation for: Weekday, Peak Hour of Adjacent Street Traffic, One Hour between 7 and 9 AN (a.k.a.): Weekday AM Peak Hour

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LAND USES	VARIABLE	LU LU	Trip	%	%	In+Out	% of Gross	Trips In+Out	In+Out	% of Ext.	In+Out	% of Ext.	In+Out	In+Out	In	Out	5	Out	2	Out
		code	Rate	Z	OUT	(Total)	Trips	(Total)	(Total)	Trips	(Total)	Trips	(Total)	(Total)						
Construction Equipment Rental	15.060 K SF	811	0.94	%LL	23%	14.16	%0	0.00	14.16	%0	0.00	%0	0.00	14.16	0.00	0.00	0	0	10.90	3.26
Specialty Trade Contractor	-4.440 K SF	180	1.66	74%	26%	-7.37	%0	0.00	-7.37	%0	0.00	%0	0.00	-7.37	00.0	0.00	0	0	-5.45	-1.92
Total						6.79		0.00	6.79		0.00		0.00	6.79	0.00	0.00	0	0	5.45	1.34

Pilchuck Rentals 090223122 Trip Generation for: Weekday, Peak Hour of Adjacent Street Traffic, One Hour between 4 and 6 PM (a.k.a.): Weekday PM Peak Hour

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		ITE I	Trip	%	%	In+Out	% of	Trips	In+Out	% of Evt	In+Out	% of Evt	In+Out	In+Out	4	ţ	2	+	2	ţ
		code	Rate	IN	оит	(Total)	Trips	(Total)	(Total)	Trips	(Total)	Trips	(Total)	(Total)	E	Out	E	ι'nο	=	Out
Construction Equipment Rental	15.060 K SF	811	0.99	28%	72%	14.91	%0	0.00	14.91	%0	0.00	%0	0.00	14.91	0.00	0.00	0	0	4.17	10.74
Specialty Trade Contractor (Removed)	-4.440 K SF	180	1.93	32%	68%	-8.57	%0	0.00	-8.57	%0	00.0	%0	00.0	-8.57	00.0	0.00	0	0	-2.74	-5.83
Total						6.34		0.00	6.34		0.00		0.00	6.34	0.00	0.00	0	0	1.43	4.91