

**MEMORANDUM**

Date: November 18, 2021

To: Scott Gilliland, PE  
PLS Engineering  
604 West Evergreen Blvd  
Vancouver WA 98660

From: Frank Charbonneau, PE, PTOE

Subject: Trip Generation Summary FL2190  
**Schurman Way Site Plan**  
Woodland

As requested we have prepared a trip generation summary for the proposed light industrial development project being planned on Schurman Way in Woodland. The trip generation is a requirement of the City as noted in the pre-application memo dated 8/3/21, Transportation Impacts, numbered paragraph #10.

The proposed development will be built in the northeast intersection corner of Schurman Way and Guild Road on tax lot #504202017. The lot totals five acres and is zoned light industrial (L-1). Site access is proposed at the property's north boundary on Schurman Way and also along Guild Road.

Planned uses on the site will include truck parking for commercial vehicles and an office and maintenance building totaling 4,700 square feet. A total of six employees will work in the office and maintenance facility which will provide general administration and mechanical service/repairs for the trucks. Truck and driver operations will consist of the drivers arriving on-site between 4-6AM, parking their personal car on-site and departing in the truck by 6AM. All trucks will return between 1-4PM with the drivers then exiting the site during this time. No truck or driver trips are planned to occur between the regular peak traffic hours of 7-9AM or 4-6PM.

For the light industrial building employee trips are anticipated in the peak hours. Using the ITE category for general light industrial (land use code #110) the office and maintenance building will generate approximate 24 trips per weekday with less than five trips occurring in the AM & PM peak hours. A trip generation summary table is attached to this memo.

As less than 20 PM peak hour trips will occur a full traffic impact analysis is not required for the proposed development according to the City's pre-application engineering comments.

If you should have any questions, please contact Frank Charbonneau, PE, PTOE at 503.293.1118 or email [Frank@CharbonneauEngineer.com](mailto:Frank@CharbonneauEngineer.com).

## Trip Generation Summary

Alternative: Alternative 1

Phase:

Open Date: 11/17/2021

Project: New Project

Analysis Date: 11/17/2021

ITE	Land Use	Weekday Average Daily Trips			Weekday AM Peak Hour of Adjacent Street Traffic			Weekday PM Peak Hour of Adjacent Street Traffic					
		*	Enter	Exit	Total	*	Enter	Exit	Total	*	Enter	Exit	Total
110	GIN INDUSTRIAL 1 4.7 1000 Sq. Ft. GFA		12	11	23		3	0	3		0	3	3
Unadjusted Volume			12	11	23		3	0	3		0	3	3
Internal Capture Trips			0	0	0		0	0	0		0	0	0
Pass-By Trips			0	0	0		0	0	0		0	0	0
Volume Added to Adjacent Streets			12	11	23		3	0	3		0	3	3

Total Weekday Average Daily Trips Internal Capture = 0 Percent

Total Weekday AM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent

Total Weekday PM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent

\* - Custom rate used for selected time period.

Source: Institute of Transportation Engineers, Trip Generation Manual 10th Edition

**TRIP GENERATION 10, TRAFFICWARE, LLC**

**Detailed Land Use Data**  
 For 4.7 1000 Sq. Ft. GFA of GINDUSTRIAL 1  
 ( 110 ) General Light Industrial

Open Date: 11/17/2021  
 Analysis Date: 11/17/2021

Project: New Project

<u>Day / Period</u>	<u>Total Trips</u>	<u>Pass-By Trips</u>	<u>Avg Rate</u>	<u>Min Rate</u>	<u>Max Rate</u>	<u>Std Dev</u>	<u>Avg Size</u>	<u>% Enter</u>	<u>% Exit</u>	<u>Use Eq.</u>	<u>Equation</u>	<u>R2</u>
Weekday Average Daily Trips Source : Trip Generation Manual 10th Edition	23	0	4.96	0.34	43.86	4.2	49	50	50	False	$T = 3.79(X) + 57.96$	0.54
Weekday AM Peak Hour of Adjacent Street Traffic Source : Trip Generation Manual 10th Edition	3	0	0.7	0.02	4.46	0.65	73	88	12	False	$\ln(T) = 0.74 \ln(X) + 0.39$	0.52
Weekday PM Peak Hour of Adjacent Street Traffic Source : Trip Generation Manual 10th Edition	3	0	0.63	0.07	7.02	0.68	67	13	87	False	$\ln(T) = 0.69 \ln(X) + 0.43$	0.52