

MEMORANDUM

DATE: April 4, 2017

TO: Rick Perez / Sarady Long
City of Federal Way

FROM: Jeff Schramm / Curtis Chin, P.E.
TENW

SUBJECT: Traffic Impact Analysis for the proposed
IRG Warehouse A – Federal Way
TENW Project #5219

This memorandum summarizes the traffic impact analysis conducted for the proposed IRG Warehouse A development. The document includes a project description, trip generation estimate, trip distribution and assignment, traffic volumes, and Level of Service analyses. The analysis is also intended to provide updated traffic analyses in response to City comments from the October 7, 2016 letter.

Project Description

The project site is located between I-5 and Weyerhaeuser Way S, north of SR-18, in the City of Federal Way. A vicinity map of the surrounding area is shown in **Figure 1**. The project includes the development of up to 225,950 square feet of warehouse building area on a site that is currently vacant.

Vehicle access is proposed at three locations; two via the existing loop road that connects to Weyerhaeuser Way S to the north and the other along Weyerhaeuser Way S via a new driveway aligned with S 341st Street, which is a private drive. The driveways on the loop road will serve passenger vehicles, and the access on Weyerhaeuser Way S will be limited to trucks only. Project buildout is expected in 2018. A preliminary site plan concept is shown in **Figure 2**.

Trip Generation

The trip generation estimate for the proposed IRG Warehouse A industrial development was based methodology documented in the Institute of Transportation Engineers (ITE) *Trip Generation Manual* 9th edition for LUC 150 (Warehousing). **Table 1** summarizes the total trip generation estimate. A detailed trip generation calculation can be found in **Attachment A**.

Table 1
Trip Generation Summary

Time Period	New Trips Generated (PASSENGER VEHICLES ONLY)			New Trips Generated (TRUCKS ONLY)			Total New Trips Generated (ALL VEHICLES)		
	In	Out	Total	In	Out	Total	In	Out	Total
Daily	398	397	795	99	100	199	497	497	994
AM Peak Hour	81	22	103	21	5	26	102	27	129
PM Peak Hour	20	60	80	5	15	20	25	75	100