



April 24, 2019

Dave Smith, PE
City of Olympia
Community Planning & Development
P O Box 1967
Olympia, WA 98507-1967

Re: Intercity Transit Pattison Base North Parcel - Trip Generation Analysis
SCJ Project #1874.03

Dear Dave:

Intercity Transit is proposing to develop the north parcel identified as Phase 3 in the Intercity Transit Pattison Base Master Plan. Phase 3 includes construction of a new administration and operations building and a new fuel, wash and facilities building. The Intercity Transit Pattison Base is located along Pattison Road and Martin Way in Olympia, Washington.

Project Description

The proposed project will consist of construction of a new 43,541-sf administration and operations building and construction of a 24,801-sf fuel, wash and facilities building. Employees and operations in the existing 27,948-sf administration building on the south parcel will move to the new administration and operations building when it is completed. The existing administration building will remain vacant until it is demolished as part of Phase 5 of the Master Plan. Demolition of the existing administration building and construction of the new building will result in an increase of 15,593-sf of administration space. The preliminary site plan is provided as an attachment.

Project Trip Generation

Vehicle trip generation was calculated using the trip generation rates contained in the November 2016 City of Olympia Transportation Impact Fee Update and the current edition of the Trip Generation Manual by the *Institute of Transportation Engineers* (ITE). The Administrative Office land use (land-use code 710) and Light Industrial land use (land-use code 110) were determined to be the most applicable to this project. The PM peak hour trip rates were taken from Table 3 of the November 2016 Transportation Impact Fee Update.

The trip generation rates used for this analysis are shown in **Table 1**:



Table 1. Trip Generation Characteristics

Land Use (LU Code)	Unit	PM Peak Hour Trip Rates			
		PM Peak Trip Ends/Unit	New Trip End Rate	Enter	Exit
Administrative Office (710)	1,000-sf	2.69	2.42 ⁽¹⁾	16%	84%
Light Industrial (LU 110)	1,000-sf	0.85	0.85	13%	87%

1) Reflects 10% pass-by traffic

Project trip generation is shown on **Table 2**:

Table 2. Project Trip Generation

Land Use (LU Code)	Size (1,000-sf)	PM Peak Hour Trips				
		Total	Pass-by	New-to-Network Trips		
				Total	Enter	Exit
Administrative Office (LU 710)	15.593	42	4	38	6	32
Light Industrial (LU 110)	24.801	21	0	21	3	18
Total Trips		63	4	59	9	50

The calculations described above yield an estimated new-to-network traffic generation of 59 PM peak hour trips.

Trip Distribution and Assignment

We prepared a trip distribution and assignment for the project-generated traffic using data from the TRPC regional travel demand model. A Select Zone Analysis (SZA) was performed for traffic analysis zone (TAZ) 431. The PM peak hour distribution and assignment for the proposed development is shown on **Figure 1**. The SZA map is attached.

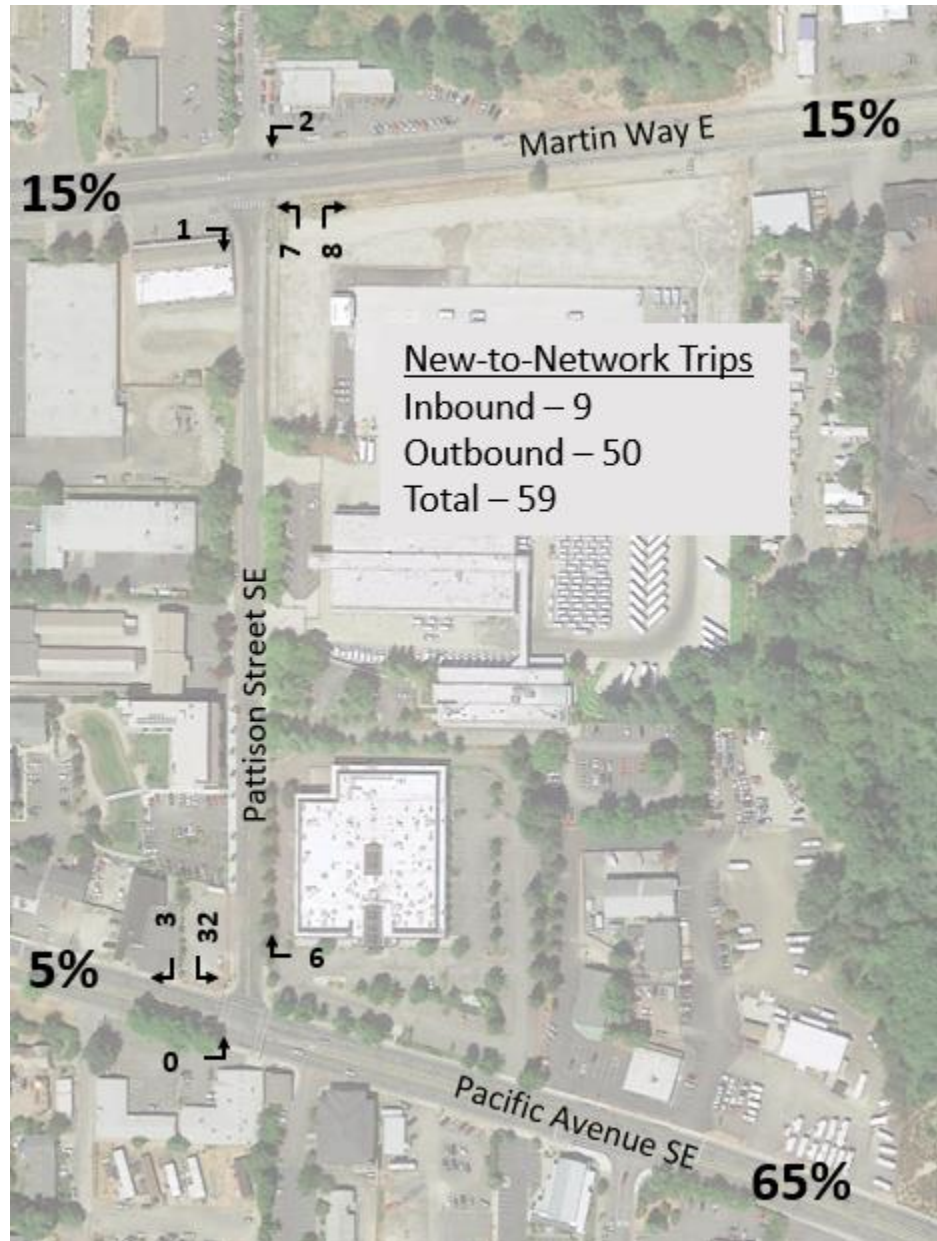


Figure 1. PM Peak Hour Site-Generated Traffic Volumes



Dave Smith
April 24, 2019
Page 4 of 4

Thank you for reviewing the enclosed materials. Please feel free to contact me at (360) 352-1465 if you have any questions or comments about the enclosed information.

Respectfully,

George Smith
Senior Transportation Planner

Enclosure(s):
Preliminary Site Plan
SZA Map TAZ #431

N:\Projects\1874 Stantec Architecture, Inc\1874.03 Intercity Transit North Site Development\Phase 01 - Conditional Use
Permit\Traffic\L2019-0424 Pattison Trip Gen.docx

