

Memorandum

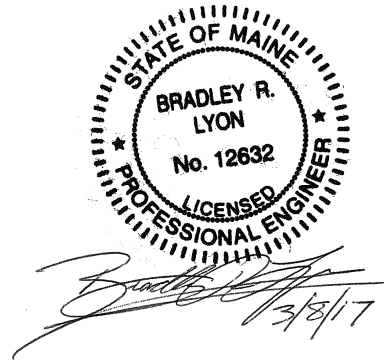
To: Craig Burgess, P.E., Project Manager, Sebago Technics

From: Bradley Lyon, P.E., PTOE, Senior Transportation Engineer, Sebago Technics

STI Project #: 16078

Date: March 9th, 2017

Subject: Trip Generation for 373 Riverside Street
Portland, ME



Project Description

Based on information provided to us on 3/9/17, the applicant, Acadia Lending Group, is proposing to develop a 3-unit professional office building, two units of 1,500 square feet each and a third unit of 2,133 square feet which the applicant will occupy, totaling 5,133 square feet. This development will be located on the easterly side of 373 Riverside Street in Portland, ME.

Trip Generation

Proposed trip generation has been calculated utilizing the 7th Edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual. Land Use Code (LUC) 710, General Office Building has been used to determine trip generation associated with the 5,133 sf 3-unit office building.

**Table 1
Proposed Trip Generation
Land Use Code 710, 6,000 sf General Office Building**

By Square Footage	Square Footage	Rate (Trips / 1,000 sf)	Total Trips
Weekday AM Peak Hour of Generator	5,133	$\ln(T)=0.80\ln(X)+1.55$	17
Weekday PM Peak Hour of Generator	5,133	$T=1.49/1.55(\text{AM Peak})^*$	16
Saturday Peak Hour of Generator	5,133	$T=0.41(X)$	2
Sunday Peak Hour of Generator	5,133	$T=0.14(X)$	1

*Equation is approved for use by MaineDOT to better estimate PM Peak Hour traffic for General Office Buildings

Overall, the proposed development will be under the minimum threshold of 25 peak hour trips requiring a scoping meeting with the City of Portland and 100 peak hour trips requiring a Traffic Movement Permit from the MaineDOT.