

SEBAGO

T E C H N I C S

CIVIL ENGINEERING • SURVEYING • LANDSCAPE ARCHITECTURE

Section 9 Traffic Estimation

Project Description

Based on the site plan proposed, the proposed 122 Anderson Street development consists of a 22,400 sf industrial warehouse building in a multi-tenant building. The development is to be located on a vacant parcel of land at 122 Anderson Street in Portland, Maine. There is an existing use similar to what is proposed consuming two buildings with a combined footprint of 2216 SF. The entire site will now consist of 24,616 SF of similar uses.

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) 150, General Warehousing has been chosen for the 22,400 sf of industrial/commercial storage and 2216 SF of existing space, to determine trip generation associated with the proposed site. Tables 1, below, summarize the calculations:

Table 1
Proposed Trip Generation
Land Use Code 150, 24,616 sf Warehousing

By Square Footage	Square Footage	Rate (Trips / 1,000 sf)	Total Trips
Weekday AM Peak Hour of Generator	24,616	$T=0.57(X)$	15
Weekday PM Peak Hour of Generator	22,400	$T=0.61(X)$	15
Saturday Peak Hour of Generator	22,400	$T=0.12(X)$	3
Sunday Peak Hour of Generator	22,400	$T=0.07(X)$	2

Overall, the proposed development will be well under the minimum threshold of 100 peak hour trips and thus will not require a Traffic Movement Permit from the MaineDOT.