

Design Consultants, Inc.

120 Middlesex Avenue
Somerville, MA 02145
(617) 776-3350

MEMORANDUM

DCI JOB NO. 2013-094

TO: James J McSweeney
FUD LLC

FROM: Amos Fernandes, PE, PTOE
Design Consultants, Inc.

CC: Stephen Sawyer, Director
Design Consultants, Inc.

SUBJECT: Trip Generation Analysis for Seven (7) Unit Residential Building at 47
Hunting Street, Somerville, MA

DATE: November 4, 2013
Revised November 12, 2013

The purpose of this memorandum is to document the estimated trip generation from the proposed seven (7) unit residential building at 47 Hunting Street in Somerville, Massachusetts.

The industry standard used for estimating trip generation for new developments or redevelopments is the Institute of Transportation Engineers (ITE) *Trip Generation Manual*. ITE is an international education and scientific association of transportation professionals that facilitates the application of technology and scientific principles to research, planning, functional design, operations and services for all modes of ground transportation. The most current Trip Generation Manual was used in this analysis – 9th Edition.

The trip rates from Land Use Code (LUC) 230 Residential Condominium/Townhouse was used to estimate traffic for the proposed residential building at 47 Hunting Street. The ITE LUC describes residential condominiums/townhouses as ownership units that have at least one other owned unit within the same building structure.

The results from the trip generation analysis is shown in Table 1.

Table 1. Trip Generation Analysis

Land Use: 230, Residential Condominium/Townhouse			
number of units:	7		
	AM Peak	PM Peak	Weekday Daily
Average Rate (per num. of dwelling units)	0.44	0.52	5.81
Percent Entering	17%	67%	50%
Percent Exiting	83%	33%	50%
Total Trips	3	4	41
Entering Trips	1	3	21
Exiting Trips	2	1	20

As shown in Table 1, the proposed seven unit residential development at 47 Hunting Street is expected to generate three vehicular trips in the typical weekday morning. During a typical weekday evening peak hour, the building is expected to generate four vehicular trips. Approximately 40 vehicular trips are expected to be generated over the course of a typical weekday.

It should be noted that the existing property includes two residential apartment units. Therefore the *net new trips* for the site is two (2) new vehicular trips in the morning, three (3) new vehicular trips in the evening, and twenty-seven (27) new daily trips.

Please don't hesitate to contact Amos Fernandes at (617) 776-3350 for any questions or clarifications regarding this matter.