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COLCHESTER AVENUE HOUSING

Traffic Brief

MEMO

To: City of Burlington
 From: Abigail Dery, P.E.
 Date: August 10, 2016
 Re: Colchester Avenue Housing
 Project-Generated Traffic

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 SEP 23 2016

DEPARTMENT OF
 PLANNING & ZONING

The proposed project consists of 75 residential apartment units within a Planned Unit Development (PUD) served by a shared 34-ft wide driveway on Colchester Avenue in Burlington. The primary access will be via an existing curb cut located on the north side of Colchester Ave at the UVM Medical Center driveway traffic signal.

The existing driveway currently serves three businesses, which will remain as part of the project, and will be improved to include an exclusive left egress lane, in addition to the thru/right egress and ingress lanes. A secondary existing ingress-only access will be maintained approximately 168 feet to the east of the signal. The two existing curb cuts to the west of the signal will be closed. The businesses served by these driveways will now share the signalized access.

Estimated project-generated traffic is calculated using the "Apartment" land use from Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition. Using the average rate, the seventy five units are calculated to generate approximately 39 trips during the AM peak hour and 47 trips during the PM peak hour.

Table 1: Project-Generated Traffic

	Avg. Rate	Entering Vehicles	Exiting Vehicles	Total Trips
AM Peak	0.51	8	31	39
PM Peak	0.62	31	16	47

These apartment units will be used largely by employees of UVM Medical center and the University of Vermont, which is in close proximity to the project. This will likely result in a reduction in the estimated peak hour project-generated traffic. The project is also located on a bus route, so in addition to personal vehicles, residents have options for public transportation, walking, and bicycling.