



TRANSPORTATION ADVISORY COMMITTEE

Arlington Planning Department, 730 Mass Ave,
Arlington MA, c/o Laura Wiener

To: Board of Selectmen

From: Transportation Advisory Committee (TAC)

Subject: Stop sign request at Everett and Raleigh

Date: 21 November 2011

Everett Street and Raleigh Street are in a residential area, near the East Arlington business district. The intersection of Everett/Raleigh has two-way stop control, with stop signs facing Raleigh. A resident has requested that stop signs be added to Everett Street.

Investigation

Investigation (2011) revealed

- Traffic counts on Everett are low, approximately 80 vehicles in the peak hour
- Informal observation (about 15 minutes during morning/evening peak) revealed lower counts on Raleigh Street, the equivalent of 20 – 50 vehicles per peak hour
- The intersections of Grafton/Raleigh and Everett/Raleigh each have single “one-way” signs, not the two that are called for in the Manual on Uniform Traffic Control Devices (MUTCD) ¹
- Two police-reported crashes at the Everett/Raleigh intersection during the past 5 years.

The following recommendations were voted unanimously by the TAC on October 12, 2011:

- Add one-way arrow sign (R6-1) to SW corner Raleigh/Grafton
- Add one-way arrow sign to NE corner Raleigh / Everett

The traffic volumes on Raleigh Street does not appear to be high enough to warrant a three-way stop sign. (See http://tac.arlington.ma.us/documents/guidelines_all_way_stop.pdf)

There have been several complaints about traffic volumes and speeds on many of the streets in this area. A longer term recommendation is to work with existing neighborhood associations to develop a more comprehensive solution as well as the neighborhood consensus to implement it.

Respectfully submitted,
Scott Smith – Lead

¹ **2009 MUTCD, Section 2B.40 ONE WAY Signs (R6-1, R6-2), states**

If used at unsignalized intersections with one-way streets, ONE WAY signs shall be placed on the near right and the far left corners of the intersection facing traffic entering or crossing the one-way street

Transportation Advisory Committee Members:

Elisabeth Carr-Jones, Wayne Chouinard, Jean Clark, Steve Kurland, Officer Corey Rateau, Jeff Maxtutis,
Howard Muise, Scott Smith, Edward Starr, Richard Turcotte, and Laura Wiener

Web site; www.arlingtonma.gov/tac

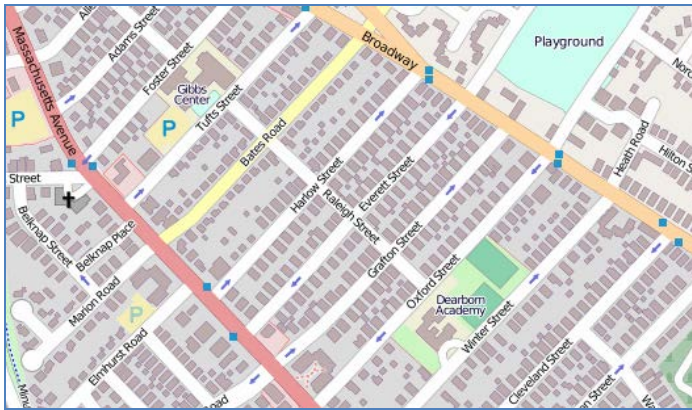


Figure 1a Area Map



Figure 1b Raleigh / Harlow Streets looking NW (correct signage)



Figure 2a Raleigh / Everett, looking NW



Figure 2b Raleigh / Grafton, looking NW

Traffic volumes and speeds (May 2010, Mass Ave Functional Design Report)

Street	Direction	Traffic Volume			Speed (mph)	
		Daily	AM	PM	Avg	85 th
Tufts	NB	800	100	84	19	28
Bates	NB	1831	109	208	24	30
	SB	2705	320	182	27	31
Harlow	NB	475	42	40	21	28
Everett	SB	790	84	76	22	29
Grafton	NB	950	84	72	21	28
Oxford	SB	1425	219	97	24	29

Raleigh Street was observed for approximately 15 minutes (Tuesday 9/20/2011 between 7:48 and 8:00 AM, and Monday 10/3 5:12 – 5:17 PM). Each block had between 6 and 12 vehicles (both directions), corresponding to roughly 20 – 50 vehicles during the peak hour.

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