



TRANSPORTATION ADVISORY COMMITTEE

7 Twin Circle Drive, Arlington, MA 02474

To: Board of Selectmen, Arlington, Mass

From: Transportation Advisory Committee (TAC)

Subject: Recommendations for STOP Sign on High Haith Road at Highland Avenue

Reference: Board of Selectmen Request

Date: 12 April 2010

At the request of the Board of Selectmen, the TAC has reviewed a resident request for installation of a STOP sign on High Haith Road at Highland Avenue based on concerns for speed and accidents. We also examined the Spring Avenue approach to Highland Avenue opposite High Haith Road. Currently, there is no traffic control on any of the four approaches to this intersection.

Manual on Uniform Traffic Control Devices (MUTCD) Guidance for STOP signs

The use of STOP signs on minor street approaches should be considered if engineering judgment indicates that a stop is always required because of one or more of the following conditions:

- A. Vehicular traffic volume on the through street exceeds 6,000 vehicles per day;
- B. A restricted view exists that requires road users to stop in order to adequately observe conflicting traffic on the through street; and/or
- C. Crash records indicate that three or more crashes that are susceptible to correction by the installation of a STOP sign have been reported within a 12-month period, or that five or more such crashes have been reported within a 2-year period. Such crashes include right-angle collisions involving road users on the minor street approach failing to yield the right-of-way to traffic on the through street or highway.

Existing Conditions

Highland Avenue is the higher volume street and, therefore, the through street. High Haith Road is the minor street, along with Spring Avenue which intersects Highland Avenue opposite High Haith Road.

- Criterion A is not met because volumes on Highland Avenue, although high, are less than 6,000 vehicles per day
- Criterion B is met because there is a restricted view (stone wall embankment) on the southeast corner of the intersection interfering with drivers on High Haith Road seeing vehicles approaching from the south (looking to the left). A similar restricted view exists on Spring Avenue at Highland Avenue.
- Criterion C is not met based on recent crash data.

Recommendation

The following recommendation was unanimously voted by the TAC on February 22, 2010.

1. Install a STOP sign on High Haith Road at Highland Avenue and on Spring Avenue (opposite High Haith Road) to provide the same traffic control on both minor streets.

Respectfully submitted,

Howard Muise – Working Group Lead

Ed Starr – Chair

Transportation Advisory Committee Members:

Elisabeth Carr-Jones, Jean Clark, Steve Kurland, Officer Corey Rateau, Jeff Maxtutis, Howard Muise,
Michael Rademacher, Scott Smith, Edward Starr, and Laura Wiener

Web site; www.tac.arlington.ma.us/