



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

To: Board of Selectmen, Arlington, MA

From: Transportation Advisory Committee (TAC)

Subject: STOP Sign Control on Lockeland Avenue and Field Street at Wildwood Avenue

Date: 4 March 2013

Board of Selectmen Request

The Board of Selectmen requested the TAC to address the issue of STOP sign control at two adjacent intersections:

1. Lockeland Avenue at Wildwood Avenue
2. Field Road at Wildwood Avenue

Issues

The following issues were identified at these two locations (see Figures 1 and 2 attached):

- There are STOP signs on three of the four approaches at the intersection of Lockeland Ave. and Wildwood Ave. (no STOP sign on the Wildwood Ave. WB approach). This configuration is inconsistent with industry standards.
- There are No STOP signs on any approaches at the intersection of Field Rd. at Wildwood Ave.
- Several near miss collisions have been identified at these locations.

Observations

The following observations about the two intersections were made:

- Although no count data were collected, Wildwood Ave appears to be the major street at both intersections.
- All three streets appear to have low traffic volumes
- The traffic volume on Wildwood Ave. does not appear to meet the MUTCD requirement for STOP control on side streets (6,000 vehicles daily).
- No crash data have been collected to determine if crashes warrant STOP signs. However, several near misses have been reported.
- The MUTCD does allow STOP control where *"A restricted view exists that requires road users to stop in order to adequately observe conflicting traffic on the through street or highway."*
- Visibility to the north on Wildwood Ave. WB at Lockeland Ave. is restricted (see Figure 3).
- The EB approach of Wildwood Ave. to Lockeland Ave. has a STOP sign but no STOP bar (see Figure 4).

Transportation Advisory Committee Members:

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

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- Visibility to the west on both Field Rd approaches to Wildwood Ave. is restricted (see Figures 5 and 6).

Recommendations

Based on the observations listed below, the TAC voted the following recommended actions at these two locations:

- Install a STOP sign and STOP bar on the Wildwood Ave. WB approach at Lockeland Ave. Install All-Way Stop placards on each approach approach.
- Install a STOP bar on the Wildwood Ave. EB approach to Lockeland Ave.
- Install STOP signs and STOP bars on both Field Rd approaches to Wildwood Ave.

Respectfully submitted,

Howard Muise – Working Group Lead and TAC Co-Chair

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Figure 1: Aerial View of Lockeland Ave and Field Rd at Wildwood Ave



Figure 2: Existing Traffic Control at the Intersections of Lockeland Ave and Field Rd at Wildwood Ave

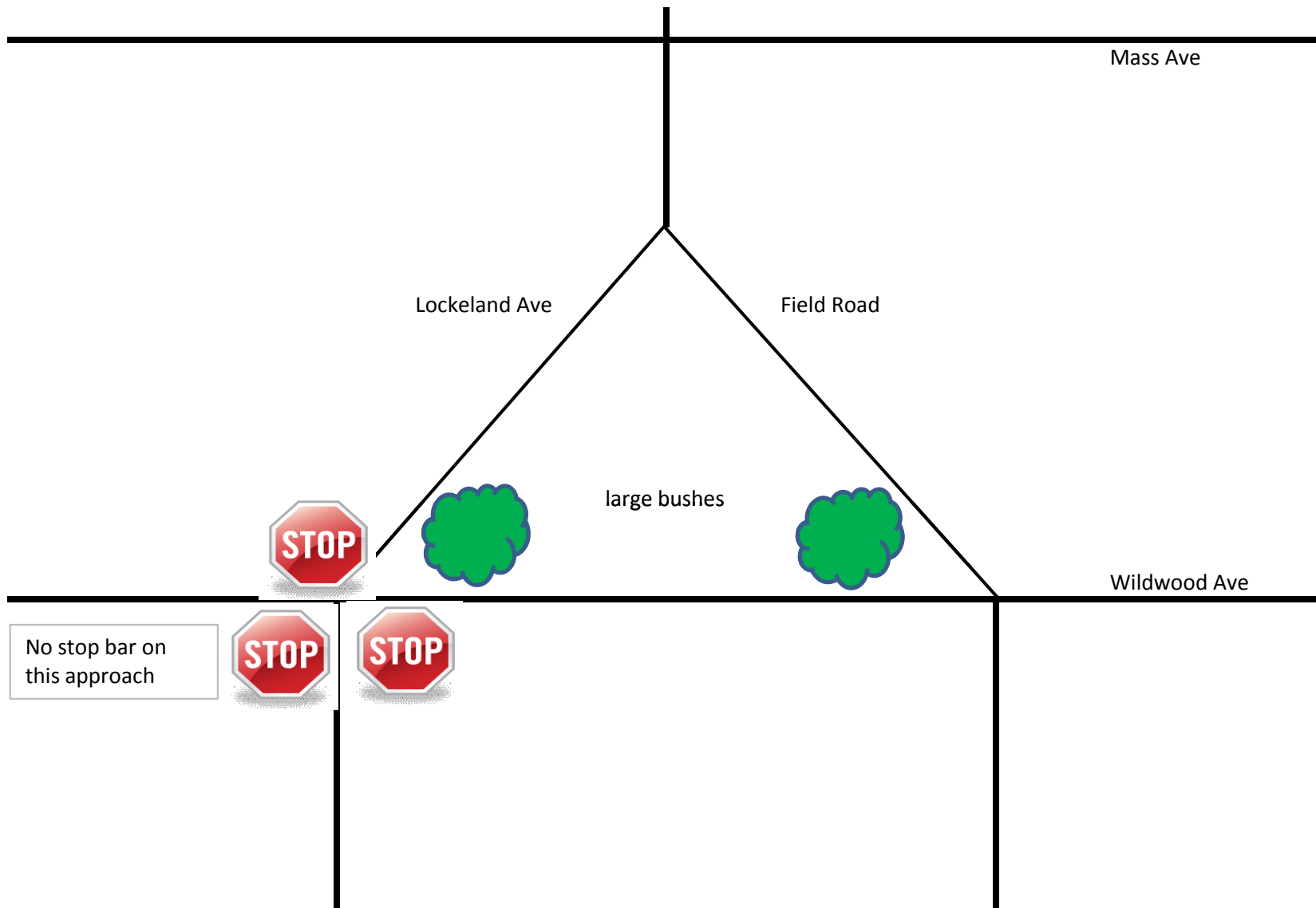




Figure 3: Wildwood Ave. WB Approach to Lockeland Ave.



Figure 4: Wildwood Ave. EB Approach to Lockeland Ave.



Figure 5: Field Road SB approach to Wildwood Ave. looking west



Figure 6: Field Road NB Approach to Wildwood Ave. looking west