



Multi-Way Stop for the Intersection of  
Barlow Rd and Baldwin St  
City Engineering Department  
June 2017

**Criteria for Multi-Way Stop Installation**

Based on MUTCD 2009 Edition Standards

**Criterion 1: Crash Experience**

This criterion is **not satisfied** because there were only 3 accidents at this intersection in the past 12 months that could have been prevented by a Multi-Way Stop.

**Criterion 2: 8-hour Vehicular Volume**

This criterion is **not satisfied** because the vehicles per hour entering the intersection of Barlow Rd and Baldwin Rd coming from Barlow Rd is 634, which does exceed the required minimum 300 vehicles per hour for any 8 hours of an average day. The vehicle per hour entering the intersection from Baldwin Rd is 69, which does not exceed the required minimum 200 vehicles per hour for the same 8 hours.

**Criterion 3: Major Road Approach Speed**

This criterion is **not satisfied** because the 85<sup>th</sup>-percentile approach speed of traffic on Barlow Rd is 39 mph, which does not exceed the required minimum of 40 mph. However, it should be noted that 60% of the traffic on Barlow Rd was over the posted limit, with a mean speed of 34 mph both directions, 33 mph southbound, and 36 mph northbound.

**Additional Notes:**

Based on MUTCD 2009 standards none of the criteria's are satisfied for Multi-way stop Installation.

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Date: 11-30-17

Encl:

