



Multi-Way Stop for the Intersection of
Hill St and Monroe St
City Engineering Department
September 2017

Criteria for Multi-Way Stop Installation

Based on MUTCD 2009 Edition Standards

Criterion 1: Crash Experience

This criterion is **not satisfied** because there was only 1 accident 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 Hill St and Monroe St coming from Hill St is 129, 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 Monroe St is 164, 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 85th-percentile approach speed of traffic on Hill St is 31 mph, which does not exceed the required minimum of 40 mph. However, it should be noted that 57% of the traffic on Hill St was over the posted limit, with a mean speed of 26 mph both directions, 26 mph westbound, and 25 mph eastbound.

Additional Notes:

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

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Date:

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Encl:

