



**Multi-Way Stop for the Intersection of  
Beadle St and Cochlin St  
City Engineering Department  
May 2015**

**Criteria for Multi-Way Stop Installation**

Based on MUTCD 2009 Edition Standards

**Criterion 1: Crash Experience**

This criterion is **not satisfied** because there was no 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 Maple St. and Sixth St. coming from Maple St. is 99, which does not exceed the required minimum 300 vehicles per hour for any 8 hours of an average day. The vehicles per hour entering the intersection from Sixth St. is 104 with an average delay to vehicular traffic of 2.44 seconds, which does not exceed the required minimum 200 vehicles per hour for the same 8 hours and the minimum average delay time of 30 seconds per vehicle during the peak hour.

**Criterion 3: Major Road Approach Speed**

This criterion is **not satisfied** because the 85<sup>th</sup>-percentile approach speed of traffic on Maple St. is 29 mph, which does not exceed the required minimum of 40 mph.

**Additional Notes**

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Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

Encl:

