



## CMF / CRF Details

**CMF ID: 325**

**Install a traffic signal**

**Description:**

**Prior Condition: Stop controlled**

**Category: Intersection traffic control**

**Study: [Accident Modification Factors for Traffic Engineering and ITS Improvements, Harkey et al., 2008](#)**

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 0.56

**Adjusted Standard Error:** 0.03

**Unadjusted Standard Error:**

### Crash Reduction Factor (CRF)

**Value:** 44 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:** 3

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

All

**Crash Severity:**

All

**Roadway Types:**

Not specified

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Rural

**Traffic Volume:**

**Time of Day:**

### *If countermeasure is intersection-based*

**Intersection Type:**

Roadway/roadway (not interchange related)

**Intersection Geometry:**

3-leg,4-leg

**Traffic Control:**

Stop-controlled

**Major Road Traffic Volume:**

3261 to 29926 Annual Average Daily Traffic (AADT)

**Minor Road Traffic Volume:**

101 to 10300 Annual Average Daily Traffic (AADT)

### Development Details

**Date Range of Data Used:**

**Municipality:**

**State:**

<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	Yes. HSM lists this CMF in <b>bold</b> font to indicate that it has the highest reliability since it has an adjusted standard error of 0.1 or less.
<b>Date Added to Clearinghouse:</b>	Dec-01-2009
<b>Comments:</b>	Countermeasure name has been slightly modified for consistency across Clearinghouse

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