



# CMF / CRF Details

CMF ID: 2503

Change in unsignalized cross roads from X to Y unsignalized cross roads per mile

Description: Change the number of unsignalized intersections per mile

Prior Condition: Greater or fewer number of unsignalized intersections per mile

Category: Access management

Study: [Modeling and Evaluating the Safety Impacts of Access Management \(AM\) Features in the Las Vegas Valley, Mauga and Kaseko, 2010](#)

Star Quality Rating:

4 Stars

[\[View score details\]](#)

## Crash Modification Factor (CMF)

Value:

$$e^{0.0254(Y-X)}$$

Adjusted Standard Error:

Unadjusted Standard Error:

## Crash Reduction Factor (CRF)

Value:

$$-100 * \left( e^{0.0254(Y-X)} - 1 \right)$$

Adjusted Standard Error:

**Unadjusted Standard Error:**

### Applicability

**Crash Type:** Sideswipe

**Crash Severity:** All

**Roadway Types:** All

**Number of Lanes:**

**Road Division Type:** Divided by TWLTL

**Speed Limit:** 30-45

**Area Type:** Urban

**Traffic Volume:** 4883 to 71280 *Annual Average Daily Traffic (AADT)*

**Time of Day:** Not specified

### *If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:**

**Traffic Control:**

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:** 2002 to 2006

**Municipality:**

**State:** NV

<b>Country:</b>	
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	Crashes

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Aug-11-2010
<b>Comments:</b>	

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