



## CMF / CRF Details

**CMF ID: 2497**

**Change in signal spacing from X 1000's feet to Y 1000's feet**

**Description: Change the distance between signals in 1000's feet**

**Prior Condition: Smaller or larger distance between signals in 1000's feet**

**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:**

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

### Crash Modification Factor (CMF)

**Value:**

$$e^{-0.1144(Y-X)}$$

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Crash Reduction Factor (CRF)

**Value:**

$$-100 * \left( e^{-0.1144(Y-X)} - 1 \right)$$

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

Angle,Fixed object,Head on,Rear end,Run off road,Sideswipe,Single vehicle

**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:**

<b>State:</b>	NV
<b>Country:</b>	
<b>Type of Methodology Used:</b>	Regression cross-section
<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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