



CMF / CRF Details

CMF ID: 2498

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:

4 Stars

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

Crash Modification Factor (CMF)

Value:

$$e^{-0.2493(Y-X)}$$

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value:

$$-100 * \left(e^{-0.2493(Y-X)} - 1 \right)$$

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type: Rear end

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

Country:	
Type of Methodology Used:	7
Sample Size Used:	Crashes

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

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.