



CMF / CRF Details

CMF ID: 2454

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:

3 Stars

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

Crash Modification Factor (CMF)

Value:

$$e^{-0.1276(Y-X)}$$

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value:

$$-100 * \left(e^{-0.1276(Y-X)} - 1 \right)$$

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 Median

Speed Limit:

30-45

Area Type:

Urban

Traffic Volume:

29320 to 96080

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:	

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