



CMF / CRF Details

CMF ID: 321

Install a traffic signal

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection traffic control

Study: [NCHRP Report 491: Crash Experience Warrant for Traffic Signals, McGee et al., 2003](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 1.38

Adjusted Standard Error: 0.46

Unadjusted Standard Error: 0.39

Crash Reduction Factor (CRF)

Value: -38 (*This value indicates an **increase** in crashes*)

Adjusted Standard Error: 46

Unadjusted Standard Error:

39

Applicability

Crash Type:

Rear end

Crash Severity:

K (fatal),A (serious injury),B (minor injury),C (possible injury)

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Urban

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

4-leg

Traffic Control:

Stop-controlled

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Countermeasure name has been slightly modified for consistency across Clearinghouse

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