



CMF / CRF Details

CMF ID: 5572

Install a traffic signal

Description:

Prior Condition: Intersections were unsignalized

Category: Intersection traffic control

Study: [Evaluating the Safety Effects of Signal Improvements, Schultz et al., 2014](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.43

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: -43 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type:	All
Crash Severity:	All
Roadway Types:	All
Number of Lanes:	
Road Division Type:	
Speed Limit:	45-65
Area Type:	Not specified
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Not specified
Intersection Geometry:	No values chosen.
Traffic Control:	Not specified
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	2002 to 2011
Municipality:	
State:	UT
Country:	

Type of Methodology Used:	4
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Aug-12-2014
Comments:	CMF for new signal installation of high speed intersections(45-65mph). Hierarchical Bayesian Method is used.Four roadway types: other principal arterials, other freeway/expressway,minor arterial,and major collectors.

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