



CMF / CRF Details

CMF ID: 421

Install red-light cameras

Description: RLR enforcement cameras

Prior Condition: *No Prior Condition(s)*

Category: Advanced technology and ITS

Study: [A Multi-Jurisdictional Safety Evaluation of Red Light Cameras, Persaud et al., 2005](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 0.84

Adjusted Standard Error: 0.07

Unadjusted Standard Error: 0.06

Crash Reduction Factor (CRF)

Value: 16 (This value indicates a **decrease** in crashes)

Adjusted Standard Error: 7

Unadjusted Standard Error:

6

Applicability

Crash Type:

Angle,Left turn

Crash Severity:

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:

Not Specified

Traffic Control:

Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

Country:	
Type of Methodology Used:	Before/after using empirical Bayes or full Bayes
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	Yes. HSM lists this CMF in bold font to indicate that it has the highest reliability since it has an adjusted standard error of 0.1 or less.
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Countermeasure name changed to match HSM

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