



CMF / CRF Details

CMF ID: 591

Area-wide or corridor-specific traffic calming

Description:

Prior Condition: *No Prior Condition(s)*

Category: Speed management

Study: [Handbook of Road Safety Measures, Elvik, R. and Vaa, T., 2004](#)

Star Quality Rating:

Crash Modification Factor (CMF)

Value: 0.97

Adjusted Standard Error: 0.2

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 3 (This value indicates a **decrease** in crashes)

Adjusted Standard Error: 20

Unadjusted Standard Error:

Applicability

Crash Type:	All
Crash Severity:	0 (property damage only)
Roadway Types:	Major Collector, Minor Collector
Number of Lanes:	2+
Road Division Type:	
Speed Limit:	
Area Type:	Urban
Traffic Volume:	5000 to 30000 <i>Annual Average Daily Traffic (AADT)</i>
Time of Day:	

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:	
Municipality:	
State:	
Country:	
Type of Methodology Used:	9
Sample Size Used:	

Other Details

Included in Highway Safety Manual?

Yes. HSM lists this CMF in italics font to indicate that it has a lower reliability than bold font CMFs since it has an adjusted standard error of 0.2 to 0.3. HSM also includes an asterisk (*) to indicate that the CMF value itself is within the range 0.90 to 1.10, but that the confidence interval defined by the $CMF \pm$ two times the standard error may contain the value 1.0. This is important to note since a treatment with such an CMF could potentially result in (a) a reduction in crashes (safety benefit), (b) no change, or (c) an increase in crashes (safety disbenefit). HSM recommends that this CMF should be used with caution.

Date Added to Clearinghouse:

Dec-01-2009

Comments:

Countermeasure name changed to match HSM

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