



CMF / CRF Details

CMF ID: 302

Increase intersection median width by 3 ft increments

Description:

Prior Condition: *No Prior Condition(s)*

Category: Access management

Study: [NCHRP Report 375: Median Intersection Design, Harwood et. al, 1995](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 0.96

Adjusted Standard Error: 0.02

Unadjusted Standard Error: 0.01

Crash Reduction Factor (CRF)

Value: 4 (This value indicates a **decrease** in crashes)

Adjusted Standard Error: 2

Unadjusted Standard Error: 1

Applicability

Crash Type:	Multiple vehicle
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:	Rural
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:	Regression cross-section
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. However, it also includes a caret (^) notation to indicate that the CMF value itself is within the range 0.90 to 1.10 but that the left-hand side or the right-hand side of the confidence interval defined by the $CMF \pm$ two times the standard error may be exactly at 1.0. This is important to note since a treatment with such an AMF may result in no change in safety. HSM recommends using this CMF with caution.
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Countermeasure name changed to match HSM

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