



CMF / CRF Details

CMF ID: 4586

Convert right shoulder width from 8-ft to 2-ft

Description: Convert right shoulder width from 8-ft to 2-ft

Prior Condition: 8 ft wide shoulder

Category: Shoulder treatments

Study: [Accident Modification Factors for Traffic Engineering and ITS Improvements, Harkey et al., 2008](#)

Star Quality Rating:	

Crash Modification Factor (CMF)

Value:	1.13
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)

Value:	-13 (This value indicates an increase in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error:

Applicability

Crash Type:

All

Crash Severity:

Not specified

Roadway Types:

Principal Arterial Other

Number of Lanes:

Multilane

Road Division Type:

Divided by Median

Speed Limit:

Area Type:

Rural

Traffic Volume:

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:	11
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	
Date Added to Clearinghouse:	Dec-01-2009
Comments:	HSM 1st Ed, Table 13-8

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