



CMF / CRF Details

CMF ID: 5282

Widen paved shoulder from 3 ft to 6 ft

Description:

Prior Condition: Paved shoulder width = 3 ft

Category: Shoulder treatments

Study: [NCHRP Report 633: Impact of Shoulder Width and Median Width on Safety, Stamatiadis et al., 2009](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.85

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 15 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type: Single vehicle

Crash Severity: All

Roadway Types: All

Number of Lanes:

Road Division Type: Divided by Median

Speed Limit:

Area Type: Not specified

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: CA, KY, MN

Country:	
Type of Methodology Used:	7
Sample Size Used:	14897 Mile-years

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-02-2013
Comments:	

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