



CMF / CRF Details

CMF ID: 5355

Reduce paved shoulder from 3 ft to 2 ft

Description: Reduce shoulder width from 3 ft to 2 ft

Prior Condition: Shoulder width 3 ft

Category: Shoulder treatments

Study: [Safety Effects of Lane Width and Shoulder Width on Two-Lane Rural State Highways in Idaho, Abdel-Rahim and Sonnen, 2012](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.02

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: -2 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type: Single vehicle

Crash Severity: All

Roadway Types: Not specified

Number of Lanes: 2

Road Division Type: Undivided

Speed Limit:

Area Type: Rural

Traffic Volume: 186 to 15106 *Annual Average Daily Traffic (AADT)*

Time of Day: All

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: 1993 to 2010

Municipality:

State: ID

Country:	USA
Type of Methodology Used:	7
Sample Size Used:	5291 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-09-2014
Comments:	

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