



CMF / CRF Details

CMF ID: 6944

Increase median shoulder width

Description: Increase median shoulder width

Prior Condition: Median shoulder with unspecified width

Category: Shoulder treatments

Study: [NCHRP Report 794: Median Cross-Section Design for Rural Divided Highways, Graham et al., 2014](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.936

Adjusted Standard Error:

Unadjusted Standard Error: 0.042

Crash Reduction Factor (CRF)

Value: 6.4 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 4.2

Applicability

Crash Type: Other

Crash Severity: All

Roadway Types: Principal Arterial Other Freeways and Expressways

Number of Lanes: 4

Road Division Type: Divided by Median

Speed Limit:

Area Type: Rural

Traffic Volume:

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: 2001 to 2005

Municipality:

State: CA

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

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-01-2015
Comments:	This CMF applies to a one foot increase in median shoulder width for rollover crashes on four-lane freeways with traversable medians.

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