



CMF / CRF Details

CMF ID: 7257

Install centerline and shoulder rumble strips

Description: Milled or rolled rumble strips.

Prior Condition: Minimum paved roadway width of 20ft and shoulder width 6ft or greater

Category: Roadway

Study: [Safety Impacts of a Statewide Centerline Rumble Strip Installation Program, Kay et al., 2015](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.954

Adjusted Standard Error:

Unadjusted Standard Error: 0.005

Crash Reduction Factor (CRF)

Value: 4.6 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	0.46
-----------------------------------	------

Applicability

Crash Type:	Angle,Head on,Rear end,Sideswipe,Single vehicle,Other
Crash Severity:	All
Roadway Types:	Principal Arterial Other
Number of Lanes:	2
Road Division Type:	Undivided
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:	2005 to 2013
Municipality:	
State:	MI

Country:	USA
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-01-2015
Comments:	Target Crashes (Wintry Pavement) = angle, head-on, other, rear end, sideswipe opposite, sideswipe same, and single vehicle

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.