



## CMF / CRF Details

**CMF ID: 7255**

**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:** 0.672

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.003

### Crash Reduction Factor (CRF)

**Value:** 32.8 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	0.26
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### Applicability

<b>Crash Type:</b>	Angle,Head on,Rear end,Sideswipe,Single vehicle,Other
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Principal Arterial Other
<b>Number of Lanes:</b>	2
<b>Road Division Type:</b>	Undivided
<b>Speed Limit:</b>	
<b>Area Type:</b>	Rural
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All

*If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	2005 to 2013
<b>Municipality:</b>	
<b>State:</b>	MI

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	Before/after using empirical Bayes or full Bayes
<b>Sample Size Used:</b>	

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

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