



CMF / CRF Details

CMF ID: 7263

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: 0.648

Adjusted Standard Error:

Unadjusted Standard Error: 0.004

Crash Reduction Factor (CRF)

Value: 35.2 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

| | |
|-----------------------------------|------|
| Unadjusted Standard Error: | 0.41 |
|-----------------------------------|------|

Applicability

| | |
|----------------------------|-------------------------------------------------------|
| Crash Type: | Angle,Head on,Rear end,Sideswipe,Single vehicle,Other |
| Crash Severity: | B (minor injury) |
| 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 (C Injury) = angle, head-on, other, rear end, sideswipe opposite, sideswipe same, and single vehicle |

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