



CMF / CRF Details

CMF ID: 4784

Install wider markings and shoulder rumble strips with resurfacing

Description: Resurface roadway to improve rideability and install wider pavement markings (increase from 4 inch to 6 inch) and shoulder rumble strips.

Prior Condition: *No Prior Condition(s)*

Category: Delineation

Study: [Benefit/Cost Evaluation of MoDOT's Total Striping and Delineation Program: Phase II, Potts et al., 2011](#)

| | |
|--------------------------------------|--------------------------------------|
| Star Quality Rating: | |
| <input type="text" value="4 Stars"/> | [View score details] |

| Crash Modification Factor (CMF) | |
|--|-------|
| Value: | 0.77 |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 0.051 |

| Crash Reduction Factor (CRF) | |
|-------------------------------------|--|
| Value: | 23 (This value indicates a decrease in crashes) |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 5.1 |

Applicability

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|----------------------------|---|
| Crash Type: | All |
| Crash Severity: | K (fatal),A (serious injury),B (minor injury),C (possible injury) |
| Roadway Types: | Principal Arterial Other Freeways and Expressways |
| Number of Lanes: | multi |
| 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: | 2002 to 2009 |
| Municipality: | |
| State: | MO |
| Country: | |

| | |
|----------------------------------|-------------|
| Type of Methodology Used: | 2 |
| Sample Size Used: | Crashes |
| Before Sample Size Used: | 332 Crashes |
| After Sample Size Used: | 237 Crashes |

| Other Details | |
|---|-------------|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | May-01-2013 |
| Comments: | |

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