



CMF / CRF Details

CMF ID: 4785

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:	0.8
Adjusted Standard Error:	
Unadjusted Standard Error:	0.043

Crash Reduction Factor (CRF)	
Value:	20 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	4.3

Applicability

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:	Urban
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:	502 Crashes
After Sample Size Used:	425 Crashes

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

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