



CMF / CRF Details

CMF ID: 7737

Install shoulder rumble strips

Description:

Prior Condition: Roadways without should rumble strips

Category: Shoulder treatments

Study: [Validation and Application of Highway Safety Manual \(Part D\) in Florida, Abdel-Aty et al., 2014](#)

Star Quality Rating:

Stars

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

Crash Modification Factor (CMF)

Value: 0.808

Adjusted Standard Error:

Unadjusted Standard Error: 0.134

Crash Reduction Factor (CRF)

Value: 19.2 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 13.4

Applicability

Crash Type:

All

Crash Severity:

K (fatal),A (serious injury),B (minor injury),C (possible injury)

Roadway Types:

Not specified

Number of Lanes:

2

Road Division Type:

Undivided

Speed Limit:

Area Type:

All

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:

2007 to 2010

Municipality:

State:

FL

Country:

USA

Type of Methodology Used:

1

Sample Size Used:	
Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-08-2016
Comments:	

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