



CMF / CRF Details

CMF ID: 7834

Decrease paved right shoulder from 8-ft to X

Description:

Prior Condition: Roadway with 8-ft right paved shoulders

Category: Shoulder treatments

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

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.88

Adjusted Standard Error:

Unadjusted Standard Error: 0.09

Crash Reduction Factor (CRF)

Value: -88 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

9

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:

All

Speed Limit:

Area Type:

Rural

Traffic Volume:

5000 to 35000 *Annual Average Daily Traffic (AADT)*

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:

2010 to 2012

Municipality:

State:

FL

Country:	USA
Type of Methodology Used:	Regression cross-section
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-08-2016
Comments:	CMFs of narrowing paved right shoulder width from 8-ft to 0-ft on rural multilane highways.

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