



CMF / CRF Details

CMF ID: 7837

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: 1.61

Adjusted Standard Error:

Unadjusted Standard Error: 0.08

Crash Reduction Factor (CRF)

Value: -61 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	8
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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 <i>Annual Average Daily Traffic (AADT)</i>
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:	7
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 2-ft on rural multilane highways.

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