



## CMF / CRF Details

**CMF ID: 7832**

**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:** 1.57

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.07

### Crash Reduction Factor (CRF)

**Value:** -57 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	7
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### Applicability

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	>2
<b>Road Division Type:</b>	All
<b>Speed Limit:</b>	
<b>Area Type:</b>	Rural
<b>Traffic Volume:</b>	5000 to 35000 <i>Annual Average Daily Traffic (AADT)</i>
<b>Time of Day:</b>	All

### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	2010 to 2012
<b>Municipality:</b>	
<b>State:</b>	FL

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Mar-08-2016
<b>Comments:</b>	CMFs of narrowing paved right shoulder width from 8-ft to 2-ft on rural multilane highways.

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