



## CMF / CRF Details

**CMF ID: 7835**

**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:** 1.17

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.06

### Crash Reduction Factor (CRF)

**Value:** -17 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

6

### 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

<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 6-ft on rural multilane highways.

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