



## CMF / CRF Details

**CMF ID: 2838**

**Widen left shoulder by 1 foot**

**Description: Widen left shoulder by 1 foot**

**Prior Condition: *No Prior Condition(s)***

**Category: Shoulder treatments**

**Study: [An Assessment of Traffic Safety in Urban Deer Herd Management Zones in Iowa, Gkritza et al., 2010](#)**

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 0.925

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.04

### Crash Reduction Factor (CRF)

**Value:** 8 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	3.6
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<b>Applicability</b>	
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<b>Crash Type:</b>	All
<b>Crash Severity:</b>	K (fatal),A (serious injury),B (minor injury),C (possible injury)
<b>Roadway Types:</b>	Not Specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All

<i><b>If countermeasure is intersection-based</b></i>	
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<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

<b>Development Details</b>	
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<b>Date Range of Data Used:</b>	2002 to 2007
<b>Municipality:</b>	Dubuque, Cedar Rapids, Iowa City
<b>State:</b>	IA

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	117 Crashes

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Mar-21-2011
<b>Comments:</b>	For deer-related injury crash in urban deer management zones.

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