



# CMF / CRF Details

**CMF ID: 3937**

**Install guiderail**

**Description: None**

**Prior Condition: Unknown**

**Category: Roadside**

**Study: [A comparative Full Bayesian before-and-after analysis and application to urban road safety countermeasures in New Jersey, Yanmaz-Tuzel and Ozbay, 2010](#)**

<b>Star Quality Rating:</b>	
<input type="text" value="2 Stars"/>	<a href="#">[View score details]</a>

<b>Crash Modification Factor (CMF)</b>	
<b>Value:</b>	0.85
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	

<b>Crash Reduction Factor (CRF)</b>	
<b>Value:</b>	15 (This value indicates a <b>decrease</b> in crashes)
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	

## Applicability

**Crash Type:**

All

**Crash Severity:**

All

**Roadway Types:**

Principal Arterial

**Number of Lanes:**

2

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Urban

**Traffic Volume:**

**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:**

2001 to 2006

**Municipality:**

**State:**

NJ

**Country:**

**Type of Methodology Used:**

2

<b>Sample Size Used:</b>	Crashes
<b>Before Sample Size Used:</b>	21 Crashes
<b>After Sample Size Used:</b>	17 Crashes

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jun-04-2012
<b>Comments:</b>	

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