



# CMF / CRF Details

**CMF ID: 5177**

**Convert 12-foot lanes to 11-foot lanes**

**Description: Convert 12-foot lanes to 11-foot lanes**

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

**Category: Roadway**

**Study: [Prediction of the Expected Safety Performance of Rural Two-Lane Highways, Harwood et al., 2000](#)**

<b>Star Quality Rating:</b>	

<b>Crash Modification Factor (CMF)</b>	
<b>Value:</b>	1.01
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	

<b>Crash Reduction Factor (CRF)</b>	
<b>Value:</b>	-1 (This value indicates an <b>increase</b> in crashes)
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	

## Applicability

**Crash Type:**

Head on,Run off road,Sideswipe,Single vehicle

**Crash Severity:**

All

**Roadway Types:**

Minor Arterial

**Number of Lanes:**

2

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Urban and suburban

**Traffic Volume:**

400 *Annual Average Daily Traffic (AADT)*

**Time of Day:**

*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:**

**Municipality:**

**State:**

**Country:**

**Type of Methodology Used:**

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
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<b>Included in Highway Safety Manual?</b>	
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<b>Date Added to Clearinghouse:</b>	Dec-01-2009
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<b>Comments:</b>	HSM 1st Ed, page 13-4
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