



# CMF / CRF Details

**CMF ID: 10848**

**Convert intersection to restricted crossing U-turn (RCUT) intersection**

**Description:** The RCUT, also referred to as the superstreet intersection or J-turn intersection. The conversion is for either signalized or stop-controlled.

**Prior Condition:** Signalized Intersection

**Category:** Intersection geometry

**Study:** [Evaluating the Safety Effectiveness of Restricted Crossing U turn \(RCUT\) Intersections, Mishra and Pulugurtha, 2021](#)

<b>Star Quality Rating:</b>	

Crash Modification Factor (CMF)	
<b>Value:</b>	0.157
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	0.101

Crash Reduction Factor (CRF)	
<b>Value:</b>	84.26 (This value indicates a <b>decrease</b> in crashes)
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	10.1

## Applicability

**Crash Type:**

All

**Crash Severity:**

K (fatal),A (serious injury),B (minor injury),C (possible injury)

**Roadway Types:**

Not specified

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Rural

**Traffic Volume:**

**Time of Day:**

All

### *If countermeasure is intersection-based*

**Intersection Type:**

Roadway/roadway (not interchange related)

**Intersection Geometry:**

4-leg

**Traffic Control:**

Stop-controlled

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:**

**Municipality:**

**State:**

NC

**Country:**

**Type of Methodology Used:**

2

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jul-01-2021
<b>Comments:</b>	This CMF is for installation of Signalized RCUT.

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