



# CMF / CRF Details

CMF ID: 10880

**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:** Conventional Signalized Intersection

**Category:** Intersection geometry

**Study:** [Safety Evaluation of Median U-Turn Crossover-Based Intersections, Al-Omari et al., 2020](#)

Star Quality Rating:	
Star Quality Rating:	<input type="text" value="2 Stars"/>

Crash Modification Factor (CMF)	
Value:	0.5669
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	43.31 (This value indicates a <b>decrease</b> in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

## 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:**

Divided by Median

**Speed Limit:**

**Area Type:**

Urban and suburban

**Traffic Volume:**

**Time of Day:**

All

### *If countermeasure is intersection-based*

**Intersection Type:**

Roadway/roadway (not interchange related)

**Intersection Geometry:**

4-leg

**Traffic Control:**

Signalized

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:**

2003 to 2015

**Municipality:**

**State:**

MI, NC, OH

**Country:**

**Type of Methodology Used:**

1

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
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<b>Included in Highway Safety Manual?</b>	No
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<b>Date Added to Clearinghouse:</b>	Jul-01-2021
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<b>Comments:</b>	
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