



CMF / CRF Details

CMF ID: 10887

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	

Crash Modification Factor (CMF)	
Value:	0.9291
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	7.09 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type: Other

Crash Severity: All

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

Sample Size Used:	
Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-01-2021
Comments:	This CMF is for Sideswipe Same Direction crashes.

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