



CMF / CRF Details

CMF ID: 10882

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:



Crash Modification Factor (CMF)

Value: 0.8414

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 15.86 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type:

All

Crash Severity:

O (property damage only)

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 site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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