



CMF / CRF Details

CMF ID: 10859

Convert intersection to media U-turn (MUT) intersection

Description:

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:	
8 Stars	

Crash Modification Factor (CMF)	
Value:	0.5258
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	47.42 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type: Rear end

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: 25512 to 85076 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume: 246 to 37958 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used: 2008 to 2017

Municipality:

State: MI, NC, OH

Country:

Type of Methodology Used: 7

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-01-2021
Comments:	This CMF is for Type A MUT Intersection. A pictorial representation of Type A and Type B MUT Intersection is presented in Figure 2 in the paper.

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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