



CMF / CRF Details

CMF ID: 10873

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:



Crash Modification Factor (CMF)

Value: 0.5158

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 48.42 (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: 19267 to 72074 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume: 1204 to 58591 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:	

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

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