



CMF / CRF Details

CMF ID: 10878

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:	
	<input type="text" value="4 Stars"/>

Crash Modification Factor (CMF)	
Value:	1.9576
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	-95.76 (This value indicates an increase 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:	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 Non Motorized crashes. 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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