



CMF / CRF Details

CMF ID: 10852

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:	
	5 Stars

Crash Modification Factor (CMF)	
Value:	0.7732
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	22.68 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type:	All
Crash Severity:	K (fatal),A (serious injury),B (minor injury),C (possible injury)
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.

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