

CMF / CRF Details

CMF ID: 10867

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:	
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Crash	Modification	Factor ((CMF)
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Value:

0.7029

Adjusted Standard Error:

Unadjusted Standard Error:

Crash	Reduc	tion Fa	actor ((CRF)

Value:

29.71 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Applicability		
Crash Type:	All	
Crash Severity:	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:	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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