CMF / CRF Details

CMF ID: 218

Convert unsignalized intersection to roundabout

Description:

Prior Condition: No Prior Condition(s)

Category: Intersection geometry

Study: Safety Effects of Roundabouts in Flanders: Signal Type, Speed Limits, and

Vulnerable Road Users, De Brabander and Vereeck, 2007

Star Quality Rating: 2 Stars

Crash Modification Factor (CMF)

Value: 0.8

Adjusted Standard Error: 0.14

Crash Reduction Factor (CRF)	
Value:	20 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	14

Applicability		
Crash Type:	All	
Crash Severity:	A (serious injury)	
Roadway Types:	Not specified	
Number of Lanes:		
Road Division Type:		
Speed Limit:		
Area Type:	Not specified	
Traffic Volume:		
Time of Day:		
If countermeasure is intersection-based		
Intersection Type:	Roadway/roadway (not interchange related)	
Intersection Geometry:	Not specified	
Traffic Control:	Stop-controlled	
Major Road Traffic Volume:		
Minor Road Traffic Volume:		
Development Details		
Date Range of Data Used:		

Date Range of Data Used:	
Municipality:	
State:	
Country:	
Type of Methodology Used:	2

Sample Size Used:

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	The number of crashes in the after period were not reported in this study, however, they have been recorded as 300 to give 10 points as a beneift of doubt for one or more of the following: (1) number of miles/sites in the reference/treatment group, (2) number of crashes in the references/treatment group, (3) reporting AADTs for the aggregate dataset but not for the disaggragate dataset used for CMF development.

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