



CMF / CRF Details

CMF ID: 242

Convert all-way, stop-controlled intersection to roundabout

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [NCHRP Report 572: Applying Roundabouts in the United States, Rodegerdts et al., 2007](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 1.03

Adjusted Standard Error: 0.18

Unadjusted Standard Error: 0.15

Crash Reduction Factor (CRF)

Value: -3 (This value indicates an **increase** in crashes)

Adjusted Standard Error: 18

Unadjusted Standard Error:	15
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Applicability

Crash Type:	All
Crash Severity:	All
Roadway Types:	Not Specified
Number of Lanes:	1 or 2
Road Division Type:	
Speed Limit:	
Area Type:	All
Traffic Volume:	
Time of Day:	

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	4-leg
Traffic Control:	Stop-controlled
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	
Municipality:	
State:	

Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	Yes. HSM lists this CMF in italics font to indicate that it has a lower reliability than bold font CMFs since it has an adjusted standard error of 0.2 to 0.3.
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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