



CMF / CRF Details

CMF ID: 9156

Convert intersection to roundabout

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Road safety effects of roundabouts: A meta-analysis, Elvik, R., 2017](#)

Star Quality Rating:



[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.28

Adjusted Standard Error:

Unadjusted Standard Error: 0.092

Crash Reduction Factor (CRF)

Value: 72 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 9.18

Applicability

Crash Type:	All
Crash Severity:	K (fatal)
Roadway Types:	Not specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Not specified
Traffic Volume:	
Time of Day:	Not specified

If countermeasure is intersection-based

Intersection Type:	Not specified
Intersection Geometry:	Not specified
Traffic Control:	
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	1975 to 2014
Municipality:	
State:	No state(s) chosen.
Country:	Multiple countries

Type of Methodology Used:	Meta-analysis
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-17-2018
Comments:	Includes single and double lane roundabouts

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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