



CMF / CRF Details

CMF ID: 246

Convert to roundabout

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [*The Effects of Roundabouts on Traffic Safety for Bicyclists: An Observational Study, Daniels et al., 2008*](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 1.21

Adjusted Standard Error:

Unadjusted Standard Error: 0.31

Crash Reduction Factor (CRF)

Value: -21 (*This value indicates an **increase** in crashes*)

Adjusted Standard Error:

Unadjusted Standard Error:

31

Applicability

Crash Type:

Vehicle/bicycle

Crash Severity:

K (fatal),A (serious injury)

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Rural

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

Not specified

Traffic Control:

Not specified

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?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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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