



CMF / CRF Details

CMF ID: 243

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:

3 Stars

Crash Modification Factor (CMF)

Value: 1.48

Adjusted Standard Error: 0.52

Unadjusted Standard Error: 0.23

Crash Reduction Factor (CRF)

Value: -48 (This value indicates an **increase** in crashes)

Adjusted Standard Error: 52

Unadjusted Standard Error: 23

Applicability

Crash Type: Vehicle/bicycle

Crash Severity: A (serious injury),B (minor injury),C (possible injury)

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban

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:	

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