



CMF / CRF Details

CMF ID: 2123

Install single lane roundabout

Description:

Prior Condition: intersections with yield control

Category: Intersection geometry

Study: [*Turbo Roundabouts: Design Principles and Safety Performance, Fortuijn, 2009*](#)

Star Quality Rating:	
<input type="text" value="✘ Star"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.319
Adjusted Standard Error:	
Unadjusted Standard Error:	0.585

Crash Reduction Factor (CRF)	
Value:	68.1 <i>(This value indicates a decrease in crashes)</i>
Adjusted Standard Error:	
Unadjusted Standard Error:	58.5

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not Specified

Number of Lanes:

2

Road Division Type:

Speed Limit:

Area Type:

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

4-leg

Traffic Control:

Roundabout

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

Netherlands

State:

Country:

Type of Methodology Used:

3

Sample Size Used:	Sites
Before Sample Size Used:	29 Sites
After Sample Size Used:	29 Sites

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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