



CMF / CRF Details

CMF ID: 2121

Install turbo roundabout

Description:

Prior Condition: intersections with yield control, with traffic lights, and an old-style rotary

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:	0.239
Adjusted Standard Error:	
Unadjusted Standard Error:	0.296

Crash Reduction Factor (CRF)	
Value:	76.1 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	29.6

Applicability

Crash Type:	All
Crash Severity:	All
Roadway Types:	Not Specified
Number of Lanes:	4
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:	7 Sites
After Sample Size Used:	7 Sites

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

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