



CMF / CRF Details

CMF ID: 9342

Conversion of intersection into single-lane roundabout

Description: Conversion of intersection into single-lane roundabout

Prior Condition: signalized, stop-controlled, yield-controlled and non-controlled intersections

Category: Intersection geometry

Study: [Safe roundabouts for cyclists, Jensen, S. U., 2017](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.73

Adjusted Standard Error:

Unadjusted Standard Error: 0.133

Crash Reduction Factor (CRF)

Value: 27 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	13.3
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Applicability

Crash Type:	Other
Crash Severity:	All
Roadway Types:	Not specified
Number of Lanes:	
Road Division Type:	All
Speed Limit:	40km/h to 130km/h
Area Type:	All
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	No values chosen.
Traffic Control:	Not specified
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	
Municipality:	
State:	

Country:	Denmark
Type of Methodology Used:	Before/after using comparison group
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jun-17-2018
Comments:	Crash type: All except bicycle crashes Type of bicycle facility: Cycle lane Central island height=0 to 1.9m Central island diameter=3.5m-19.9m

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