



CMF / CRF Details

CMF ID: 9328

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: 1.02

Adjusted Standard Error:

Unadjusted Standard Error: 0.625

Crash Reduction Factor (CRF)

Value: -2 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	62.5
-----------------------------------	------

Applicability

Crash Type:	Vehicle/bicycle
--------------------	-----------------

Crash Severity:	All
------------------------	-----

Roadway Types:	Not specified
-----------------------	---------------

Number of Lanes:	
-------------------------	--

Road Division Type:	All
----------------------------	-----

Speed Limit:	40km/h to 130km/h
---------------------	-------------------

Area Type:	Rural
-------------------	-------

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:	1
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jun-17-2018
Comments:	Type of bicycle facility at roundabout: Cycle track

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

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.