



CMF / CRF Details

CMF ID: 9790

Conversion of intersection into multi-lane roundabout

Description: Conversion of intersection into multi-lane roundabout.

Prior Condition: Two way stop

Category: Intersection geometry

Study: [Crash Modification Factors Based on Crash Histories of 148 Modern Roundabouts in Five States, Zhang and Wang, 2017](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.79

Adjusted Standard Error:

Unadjusted Standard Error: 0.63

Crash Reduction Factor (CRF)

Value: 21 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

63

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Not specified

Traffic Volume:

Time of Day:

Not specified

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

Not specified

Traffic Control:

Stop-controlled

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

2005 to 2013

Municipality:

State:

FL, IN, NY, PA, WA

Country:	USA
Type of Methodology Used:	Simple before/after
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Oct-27-2018
Comments:	Two-way stop to multi-lane roundabout

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

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