



CMF / CRF Details

CMF ID: 7920

Roundabout geometry

Description: Various geometric elements of roundabout

Prior Condition: 90 degree angle to the next leg

Category: Intersection geometry

Study: [Development of Safety Performance Measures for Urban Roundabouts in India, Anjana and Anjaneyulu, 2015](#)

Star Quality Rating: <input type="text" value="3 Stars"/> [View score details]	
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Crash Modification Factor (CMF)	
Value:	$CMF_{tot,ANL} = \exp [-0.005 \times (ANL - 90)]$
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	(This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Urban

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

No values chosen.

Traffic Control:

Roundabout

Major Road Traffic Volume:

19197 to 71307 Average Daily Traffic (ADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

2008 to 2010

Municipality:

Kerala

State:

Country:

India

Type of Methodology Used:	7
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-08-2016
Comments:	CMF function for total crashes for Angle to the next leg (ANL) of roundabout (degree). This CMF applies to roundabout approaches.

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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