



# CMF / CRF Details

CMF ID: 7905

Roundabout geometry

Description: Various geometric elements of roundabout

Prior Condition: Central island diameter 8 meters

Category: Intersection geometry

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

Star Quality Rating:

3 Stars

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

## Crash Modification Factor (CMF)

Value:

$$CMF_{tot,CID} = \exp [0.018 \times (CID - 8)]$$

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:**

**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

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Mar-08-2016
<b>Comments:</b>	CMF function for total crashes for Central Island Diameter of roundabout (meters). The CMF applies to a roundabout approach leg.

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