CRASH MODIFICATION FACTORS CLEARINGHOUSE

CMF / CRF Details

CMF ID: 7906

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:	★★☆☆☆ [View score details]

Crash Modification Factor (CMF)	
Value:	$CMF_{pdo,CID} = \exp\left[0.008 \times (CID - 8)\right]$
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:	O (property damage only)
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 non-injury (PDO) crashes for Central Island Diameter of roundabout (meters). The CMF applies to a roundabout approach.

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