



CMF / CRF Details

CMF ID: 4028

Change roundabout intersection sight distance from X to Y

Description: Changing roundabout intersection sight distance from X to Y. Refer to the study for descriptions of roundabout sight distances.

Prior Condition: Roundabout with intersection sight distance X

Category: Intersection geometry

Study: [The Influence of Driver Sight Distance on Crash rates and Driver Speed at Modern roundabouts in the United States, Angelastro, 2010](#)

Star Quality Rating: <input type="text" value="2 Stars"/> [View score details]	
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Crash Modification Factor (CMF)	
Value:	$CMF = \frac{Y}{X}$
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)

Value:

$$CRF = 100 * \left(1 - \frac{Y}{X}\right)$$

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type:

Run off road

Crash Severity:

All

Roadway Types:

Not Specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Traffic Volume:

Time of Day:

Not specified

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Not specified

Traffic Control:

Major Road Traffic Volume:

434 to 7300 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:	
Municipality:	
State:	
Country:	
Type of Methodology Used:	7
Sample Size Used:	26 Sites

Other Details

Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jun-04-2012
Comments:	Note: CMF applies only to loss of control crashes

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