



CMF / CRF Details

CMF ID: 3073

Presence of right turning lane on arterial with signal coordination

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Safety Effect of Arterial Signal Coordination, Wei and Tarko, 2011](#)

Star Quality Rating

Star Quality Rating:

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

Crash Modification Factor (CMF)

Value: 0.32

Adjusted Standard Error:

Unadjusted Standard Error: 0.11

Crash Reduction Factor (CRF)

Value: 68.3 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 10.9

Applicability

Crash Type:	Angle
Crash Severity:	All
Roadway Types:	All
Number of Lanes:	1 to 3
Road Division Type:	
Speed Limit:	30-50 mph
Area Type:	Urban and suburban
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	
Traffic Control:	Signalized
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	2003 to 2006
Municipality:	
State:	IN
Country:	USA
Type of Methodology Used:	7
Sample Size Used:	54

Other Details

Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-15-2011
Comments:	The volume is entered as vehicles per hour per lane

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

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.