



CMF / CRF Details

CMF ID: 9868

Coordinate arterial signals

Description: Coordination of traffic signals along an arterial corridor

Prior Condition: No coordination between arterial signals

Category: Intersection traffic control

Study: [Identifying the Safety Impact of Signal Coordination Projects along Urban Arterials Using a Meta-analysis Method, Williamson et al., 2018](#)

Star Quality Rating:	
<input type="text" value="2 Stars"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.79
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	21 (This value indicates a decrease 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 and suburban

Traffic Volume:

10316 to 25800 *Average Daily Traffic (ADT)*

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Traffic Control:

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

IL

Country:

USA

Type of Methodology Used:

1

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-19-2018
Comments:	The CMF applies to all crashes along the corridor. Applies for both urban and suburban principal arterial-other and minor arterial.

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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