



CMF / CRF Details

CMF ID: 9864

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:



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

Crash Modification Factor (CMF)

Value: 0.86

Adjusted Standard Error:

Unadjusted Standard Error: 0.27

Crash Reduction Factor (CRF)

Value: 14 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

27

Applicability

Crash Type:

All

Crash Severity:

0 (property damage only)

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Suburban

Traffic Volume:

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:	Before/after using comparison group
Sample Size Used:	

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 suburban principal arterial-other and minor arterial.

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