



# CMF / CRF Details

**CMF ID: 9854**

**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](#)**

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

<b>Crash Modification Factor (CMF)</b>	
<b>Value:</b>	0.42
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	0.32

<b>Crash Reduction Factor (CRF)</b>	
<b>Value:</b>	58 (This value indicates a <b>decrease</b> in crashes)
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	32

## Applicability

**Crash Type:**

All

**Crash Severity:**

A (serious injury),B (minor injury),C (possible injury)

**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:**

1

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

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