



## 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](#)**

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 0.42

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.32

### Crash Reduction Factor (CRF)

**Value:** 58 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

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

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	Before/after using comparison group
<b>Sample Size Used:</b>	

<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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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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