



# CMF / CRF Details

**CMF ID: 9862**

**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:**

 Star

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

## Crash Modification Factor (CMF)

**Value:** 1.01

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.28

## Crash Reduction Factor (CRF)

**Value:** -1 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 28

## Applicability

**Crash Type:**

All

**Crash Severity:**

All

**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> |  |
|--------------------------|--|

| <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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