



# CMF / CRF Details

**CMF ID: 9858**

**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:** 1.25

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.49

## Crash Reduction Factor (CRF)

**Value:** -25 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 49

## Applicability

**Crash Type:**

All

**Crash Severity:**

O (property damage only)

**Roadway Types:**

Not specified

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Urban

**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.

---

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

*The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.*