



# CMF / CRF Details

**CMF ID: 1424**

**Convert signal from pedestal-mounted to mast arm**

**Description:**

**Prior Condition:** Existing pedestals were removed and replaced with mast arm signals

**Category:** Intersection traffic control

**Study:** [Signalized Intersections: Informational Guide, Rodegerdts et al., 2004](#)

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

| <b>Crash Modification Factor (CMF)</b> |       |
|--|-------|
| <b>Value:</b>                          | 0.56  |
| <b>Adjusted Standard Error:</b>        |       |
| <b>Unadjusted Standard Error:</b>      | 0.068 |

| <b>Crash Reduction Factor (CRF)</b> |  |
|-------------------------------------|--|
| <b>Value:</b>                       | 44 (This value indicates a <b>decrease</b> in crashes) |
| <b>Adjusted Standard Error:</b>     |  |
| <b>Unadjusted Standard Error:</b>   | 6.8  |

## Applicability

**Crash Type:**

All

**Crash Severity:**

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

**Roadway Types:**

Not specified

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

All

**Traffic Volume:**

**Time of Day:**

All

### *If countermeasure is intersection-based*

**Intersection Type:**

Roadway/roadway (not interchange related)

**Intersection Geometry:**

**Traffic Control:**

Signalized

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:**

**Municipality:**

**State:**

KS

**Country:**

usa

**Type of Methodology Used:**

3

|                                 |             |
|---------------------------------|-------------|
| <b>Sample Size Used:</b>        | Crashes     |
| <b>Before Sample Size Used:</b> | 188 Crashes |
| <b>After Sample Size Used:</b>  | 105 Crashes |

| <b>Other Details</b>                      |             |
|---|-------------|
| <b>Included in Highway Safety Manual?</b> | No          |
| <b>Date Added to Clearinghouse:</b>       | Dec-01-2009 |
| <b>Comments:</b>                          |             |

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