



CMF / CRF Details

CMF ID: 8466

Install an intersection conflict warning system (ICWS) with post mounted signs (various messages) and flashers in advance of the intersection on major; loop on minor

Description: Install an intersection conflict warning system (ICWS) with post mounted signs (various messages) and flashers in advance of the intersection on major; loop on minor

Prior Condition: No intersection conflict warning systems

Category: Signs

Study: [Multi-State Safety Evaluation of Intersection Conflict Warning Systems \(ICWS\)](#), Himes et al, 2016

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.734

Adjusted Standard Error:

Unadjusted Standard Error: 0.083

Crash Reduction Factor (CRF)

| | |
|-----------------------------------|--|
| Value: | 26.6 (This value indicates a decrease in crashes) |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 8.3 |

Applicability

| | |
|----------------------------|---|
| Crash Type: | All |
| Crash Severity: | K (fatal),A (serious injury),B (minor injury),C (possible injury) |
| Roadway Types: | Not specified |
| Number of Lanes: | 2 to 4 |
| Road Division Type: | |
| Speed Limit: | |
| Area Type: | Rural |
| Traffic Volume: | |
| Time of Day: | Not specified |

If countermeasure is intersection-based

| | |
|-----------------------------------|---|
| Intersection Type: | Roadway/roadway (not interchange related) |
| Intersection Geometry: | 4-leg |
| Traffic Control: | Stop-controlled |
| Major Road Traffic Volume: | |
| Minor Road Traffic Volume: | |

Development Details

| | |
|---------------------------------|--|
| Date Range of Data Used: | |
|---------------------------------|--|

| | |
|----------------------------------|--|
| Municipality: | |
| State: | MN, MO, NC |
| Country: | |
| Type of Methodology Used: | Before/after using empirical Bayes or full Bayes |
| Sample Size Used: | |

| Other Details | |
|---|--|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Jan-17-2017 |
| Comments: | CMF for 4-lane at 2-lane intersections |

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