



CMF / CRF Details

CMF ID: 8819

Install Red-light indicator lights

Description: Red-light indicator lights are mounted on the signal head or on the mast arm. The indicator activates simultaneously with the red interval, allowing an enforcement officer downstream to identify if a vehicle has violated the red interval.

Prior Condition: 4-legged signalized intersection without RLIL

Category: Advanced technology and ITS

Study: [Safety Evaluation of Red-Light Indicator Lights in Florida, Himes et al., 2017](#)

| | |
|----------------------|--------------------------------------|
| Star Quality Rating: | |
| 5 Stars | [View score details] |

| Crash Modification Factor (CMF) | |
|---------------------------------|-------|
| Value: | 0.939 |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 0.022 |

| Crash Reduction Factor (CRF) | |
|------------------------------|---|
| Value: | 6.1 (This value indicates a decrease in crashes) |
| Adjusted Standard Error: | |

Unadjusted Standard Error:

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Not specified

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

4-leg

Traffic Control:

Signalized

Major Road Traffic Volume:

5900 to 80500 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

845 to 62666 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used:

2003 to 2012

Municipality:

State:

FL

| | |
|----------------------------------|-----|
| Country: | USA |
| Type of Methodology Used: | 2 |
| Sample Size Used: | |

| Other Details | |
|---|-------------|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Nov-17-2017 |
| Comments: | |

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