



# CMF / CRF Details

CMF ID: 8858

## 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	<a href="#">[View score details]</a>

Crash Modification Factor (CMF)	
Value:	0.749
Adjusted Standard Error:	
Unadjusted Standard Error:	0.061

Crash Reduction Factor (CRF)	
Value:	25.1 (This value indicates a <b>decrease</b> in crashes)
Adjusted Standard Error:	

**Unadjusted Standard Error:**

### Applicability

**Crash Type:** Angle

**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

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Nov-17-2017
<b>Comments:</b>	Disaggregated CMF for total entering volume

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