



# CMF / CRF Details

**CMF ID: 7866**

**Install red-light cameras**

**Description: RLR enforcement cameras**

**Prior Condition: Signalized intersections without red-light cameras**

**Category: Advanced technology and ITS**

**Study: [Validation and Application of Highway Safety Manual \(Part D\) in Florida, Abdel-Aty et al., 2014](#)**

**Star Quality Rating:**

Stars

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

## Crash Modification Factor (CMF)

**Value:** 1.08

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.1

## Crash Reduction Factor (CRF)

**Value:** -8 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 10

## Applicability

**Crash Type:** Rear end

**Crash Severity:** K (fatal),A (serious injury),B (minor injury),C (possible injury)

**Roadway Types:** Not specified

**Number of Lanes:**

**Road Division Type:** All

**Speed Limit:**

**Area Type:** Urban

**Traffic Volume:**

**Time of Day:** All

### *If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:** No values chosen.

**Traffic Control:** Signalized

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:** 2006 to 2011

**Municipality:**

**State:** FL

**Country:** USA

**Type of Methodology Used:** 2

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Mar-08-2016
<b>Comments:</b>	CMFs of rear-end crashes on all approaches of the adjacent intersections without red-light cameras The number of crashes in the after period were not reported in this study, however, they have been recorded as 300 to give 10 points as a benefit of doubt for one or more of the following: (1) number of miles/sites in the reference/treatment group, (2) number of crashes in the references/treatment group, (3) reporting AADTs for the aggregate dataset but not for the disaggregate dataset used for CMF development.

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