



## CMF / CRF Details

**CMF ID: 6884**

**Install automated speed camera at signalized intersection**

**Description: Install an automated speed camera (photo radar) at a signalized intersection**

**Prior Condition: Signalized intersections with Red-light camera but without Intersection speed camera activated**

**Category: Advanced technology and ITS**

**Study: [Safety Evaluation of Red Light Camera and Intersection Speed Camera Programs in Alberta, Izadpanah et al., 2015](#)**

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 1.09

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.036

### Crash Reduction Factor (CRF)

**Value:** -9 (This value indicates an **increase** in crashes)

<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	3.6

### Applicability

<b>Crash Type:</b>	Rear end
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Urban and suburban
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	

#### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
<b>Intersection Geometry:</b>	3-leg,4-leg
<b>Traffic Control:</b>	Signalized
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	1999 to 2012
<b>Municipality:</b>	Alberta

<b>State:</b>	
<b>Country:</b>	Canada
<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-01-2015
<b>Comments:</b>	CMF for rear-end crashes (activation of Intersection speed cameras at intersections with Red-light cameras in operation)

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