



# CMF / CRF Details

**CMF ID: 4581**

**Install red-light cameras**

**Description: RLR enforcement cameras**

**Prior Condition: A signalized intersection without red-light cameras.**

**Category: Advanced technology and ITS**

**Study: [Highway Safety Manual, 1st Edition, Various, 2010](#)**

<b>Star Quality Rating:</b>	
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## Crash Modification Factor (CMF)

<b>Value:</b>	0.74
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<b>Adjusted Standard Error:</b>	
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<b>Unadjusted Standard Error:</b>	0.03
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## Crash Reduction Factor (CRF)

<b>Value:</b>	26 (This value indicates a <b>decrease</b> in crashes)
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<b>Adjusted Standard Error:</b>	
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<b>Unadjusted Standard Error:</b>	3
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<b>Applicability</b>
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<b>Crash Type:</b>	Other
<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
<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>	
<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>	
<b>Municipality:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

## Other Details

**Included in Highway Safety Manual?**

**Date Added to Clearinghouse:**

**Comments:**

Crash type: right-angle and left-turn opposite direction.

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