



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:	
<input type="text" value="4 Stars"/>	[View score details]

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)
Adjusted Standard Error:	
Unadjusted Standard Error:	3.6

Applicability

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

If countermeasure is intersection-based

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

Development Details

Date Range of Data Used:	1999 to 2012
Municipality:	Alberta
State:	
Country:	Canada

Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-01-2015
Comments:	CMF for rear-end crashes (activation of Intersection speed cameras at intersections with Red-light cameras in operation)

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