



CMF / CRF Details

CMF ID: 2079

Install transit signal priority (TSP) technology (transit-related crashes)

Description:

Prior Condition: signalized intersection

Category: Transit

Study: [Analysis of Transit Safety at Signalized Intersections in Toronto, Shalah et al., 2009](#)

Star Quality Rating:	
4 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	1.26
Adjusted Standard Error:	
Unadjusted Standard Error:	0.146

Crash Reduction Factor (CRF)	
Value:	-26 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	14.6

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not Specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Urban

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

Traffic Control:

Signalized

Major Road Traffic Volume:

3556 to 50877 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

1999 to 2003

Municipality:

City of Toronto, Canada

State:

Country:

Type of Methodology Used:

7

Sample Size Used:	1655
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	For transit-related crashes.

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