



CMF / CRF Details

CMF ID: 2078

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:	1.52
Adjusted Standard Error:	
Unadjusted Standard Error:	0.201

Crash Reduction Factor (CRF)	
Value:	-51.5 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	20.1

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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