



CMF / CRF Details

CMF ID: 2092

Presence of transit service

Description:

Prior Condition: signalized intersection

Category: Transit

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

Star Quality Rating:	
4 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	1.32
Adjusted Standard Error:	
Unadjusted Standard Error:	0.05

Crash Reduction Factor (CRF)	
Value:	-31.9 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	5

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
--------------------------	------

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.