



CMF / CRF Details

CMF ID: 5233

Presence of three leg intersection vs. four leg intersection

Description:

Prior Condition: Four-leg intersection

Category: Intersection geometry

Study: [Corridor-level signalized intersection safety analysis in Shanghai, China using Bayesian hierarchal models, Kun Xie, Xuesong Wang, Helai Huang, Xiahong Chen, 2013](#)

Star Quality Rating:

8 Stars

[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.75

Adjusted Standard Error:

Unadjusted Standard Error: 0.13

Crash Reduction Factor (CRF)

Value: 25 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 12.8

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:

Not specified

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:

7700 to 140300 Average Daily Traffic (ADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

2009 to 2009

Municipality:

State:

Country:

China

Type of Methodology Used:	7
Sample Size Used:	195 Site-years

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-02-2013
Comments:	Major Road ADT is total entering vehicles for the intersection

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