



CMF / CRF Details

CMF ID: 4121

Install a traffic signal

Description:

Prior Condition: Unsignalized intersection

Category: Intersection traffic control

Study: [The Relative Effectiveness of Pedestrian Safety Countermeasures at Urban Intersections - Lessons from a New York City Experience, Li Chen, Cynthia Chen, and Reid Ewing, 2012](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.12

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: -12 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type: Vehicle/pedestrian

Crash Severity: All

Roadway Types: Not Specified

Number of Lanes:

Road Division Type: All

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: 3-leg,4-leg,More than 4 legs

Traffic Control: Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 1998 to 2008

Municipality: New York City

State: NY

Country:	USA
Type of Methodology Used:	3
Sample Size Used:	Crashes
Before Sample Size Used:	382 Crashes
After Sample Size Used:	136 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-01-2012
Comments:	Countermeasure name has been slightly modified for consistency across Clearinghouse

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