



CMF / CRF Details

CMF ID: 5527

Install a traffic signal

Description:

Prior Condition: Stop controlled intersection

Category: Intersection traffic control

Study: [*Comparison of Safety Evaluation Approaches for Intersection Signalization in Florida, Wang and Abdel-Aty, 2014*](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.502

Adjusted Standard Error:

Unadjusted Standard Error: 0.115

Crash Reduction Factor (CRF)

Value: 49.8 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	11.5
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Applicability

Crash Type:	All
Crash Severity:	All
Roadway Types:	Not specified
Number of Lanes:	2 to 4
Road Division Type:	
Speed Limit:	
Area Type:	Not specified
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:	Stop-controlled
Major Road Traffic Volume:	10000 to 20000 Annual Average Daily Traffic (AADT)
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	2004 to 2009
Municipality:	
State:	FL

Country:	
Type of Methodology Used:	2
Sample Size Used:	
Before Sample Size Used:	95

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Aug-12-2014
Comments:	CMF applies to intersections with major road AADT 10,000-20,000

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