



CMF / CRF Details

CMF ID: 10221

Install sidewalk

Description:

Prior Condition: No sidewalk present

Category: Pedestrians

Study: [Estimation of bicycle crash modification factors \(CMFs\) on urban facilities using zero inflated negative binomial models, Raihan et al., 2019](#)

Star Quality Rating:	
8 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	1.53
Adjusted Standard Error:	
Unadjusted Standard Error:	0.21

Crash Reduction Factor (CRF)	
Value:	-53 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	21

Applicability

Crash Type: Vehicle/bicycle

Crash Severity: All

Roadway Types: Not specified

Number of Lanes: 4

Road Division Type: Divided by Median

Speed Limit: 35-60 MPH

Area Type: Urban

Traffic Volume: 2300 to 120000 *Annual Average Daily Traffic (AADT)*

Time of Day: All

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Traffic Control:

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 2011 to 2014

Municipality:

State: FL

Country: USA

Type of Methodology Used: 7

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-07-2019
Comments:	This CMF applies to vehicle-bicycle crashes on urban four-leg divided highways.

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