



CMF / CRF Details

CMF ID: 10217

Install sidewalk barrier

Description:

Prior Condition: No sidewalk barrier present

Category: Bicyclists

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:	1.83
Adjusted Standard Error:	
Unadjusted Standard Error:	0.37

Crash Reduction Factor (CRF)	
Value:	-83 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	37

Applicability

Crash Type:	Vehicle/bicycle
Crash Severity:	All
Roadway Types:	Not specified
Number of Lanes:	2
Road Division Type:	Divided by Median
Speed Limit:	30 - 55 MPH
Area Type:	Urban
Traffic Volume:	1300 to 42000 <i>Annual Average Daily Traffic (AADT)</i>
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 two-lane divided segments.

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