



CMF / CRF Details

CMF ID: 2199

Presence of crosswalk at signalized intersection (bike crashes)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Bicyclists

Study: [Assessing Critical Factors Associated with Bicycle Collisions at Urban Signalized Intersections, Oh et al., 2008](#)

Star Quality Rating:	
8 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	8.76
Adjusted Standard Error:	
Unadjusted Standard Error:	13.7

Crash Reduction Factor (CRF)	
Value:	-775.83 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	1370.21

Applicability

Crash Type: Vehicle/bicycle

Crash Severity: All

Roadway Types: Not Specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Traffic Control: Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 2005 to 2005

Municipality: Incheon, South Korea

State:

Country:

Type of Methodology Used: 7

Sample Size Used:	151
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Only for bicycle-related crashes.

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