



CMF / CRF Details

CMF ID: 2196

Change number of driveways near signalized intersection from X to Y (bike crashes)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Access management

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

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value:

$$e^{0.28(Y-X)}$$

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value:	$100(1 - e^{0.28(Y-X)})$
Adjusted Standard Error:	
Unadjusted Standard Error:	

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
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Municipality:	Incheon, South Korea
State:	
Country:	
Type of Methodology Used:	Regression cross-section
Sample Size Used:	151 Sites

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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