



CMF / CRF Details

CMF ID: 3258

Installation of colored bicycle lanes at signalized intersections

Description: Installation of colored bicycle lanes at signalized intersections

Prior Condition: No bicycle lanes, cyclists shared the roadway with motor vehicles

Category: Bicyclists

Study: [*Safety Performance Functions for Bicycle Crashes in New Zealand and Australia, Turner et al., 2011*](#)

Star Quality Rating:	
<input type="text" value="2 Stars"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.61
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	39 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type: Vehicle/bicycle

Crash Severity: All

Roadway Types: All

Number of Lanes:

Road Division Type: All

Speed Limit:

Area Type: Urban and suburban

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: 4-leg

Traffic Control: Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality: Christchurch

State:

Country: New Zealand

Type of Methodology Used: 2

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-15-2011
Comments:	Not much detail is presented regarding the before-after analysis. In addition, the CMF seems to have been calculated as the ratio of observed crashes to expected crashes without considering the variance of the expected crashes

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