



CMF / CRF Details

CMF ID: 3253

Installation of bicycle lanes at signalized intersections

Description: Installation of 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:	1.02
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	-2 (This value indicates an increase 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: Adelaide, Christchurch

State:

Country: New Zealand

Type of Methodology Used: 2

Sample Size Used:	Sites
--------------------------	-------

Other Details	
----------------------	--

Included in Highway Safety Manual?	No
---	----

Date Added to Clearinghouse:	Jul-15-2011
-------------------------------------	-------------

Comments:	Crash Type: Other (not left-turning, right-turning, rear end/overtaking, or crossing). 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 crash
------------------	--

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.