



CMF / CRF Details

CMF ID: 7989

Install a traffic signal

Description:

Prior Condition: Intersections with a stop sign on minor roads

Category: Intersection traffic control

Study: [Safety Evaluation of Signal Installation With and Without Left Turn Lanes on Two Lane Roads in Rural and Suburban Areas, Srinivasan et al., 2014](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.427

Adjusted Standard Error:

Unadjusted Standard Error: 0.132

Crash Reduction Factor (CRF)

Value: -42.7 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	13.2
-----------------------------------	------

Applicability

Crash Type:	Rear end
--------------------	----------

Crash Severity:	All
------------------------	-----

Roadway Types:	Not specified
-----------------------	---------------

Number of Lanes:	2
-------------------------	---

Road Division Type:	
----------------------------	--

Speed Limit:	
---------------------	--

Area Type:	All
-------------------	-----

Traffic Volume:	
------------------------	--

Time of Day:	All
---------------------	-----

If countermeasure is intersection-based

Intersection Type:	Not specified
---------------------------	---------------

Intersection Geometry:	3-leg,4-leg
-------------------------------	-------------

Traffic Control:	Stop-controlled
-------------------------	-----------------

Major Road Traffic Volume:	2480 to 18025 Annual Average Daily Traffic (AADT)
-----------------------------------	---

Minor Road Traffic Volume:	746 to 6829 Annual Average Daily Traffic (AADT)
-----------------------------------	---

Development Details

Date Range of Data Used:	1992 to 2012
---------------------------------	--------------

Municipality:	
----------------------	--

State:	NC
---------------	----

Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-10-2016
Comments:	The CMF was developed for both rural and suburban areas.

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.