



CMF / CRF Details

CMF ID: 8464

Install an intersection conflict warning system (ICWS) with post mounted signs (various messages) and flashers in advance of the intersection on major; loop on minor

Description: Install an intersection conflict warning system (ICWS) with post mounted signs (various messages) and flashers in advance of the intersection on major; loop on minor

Prior Condition: No intersection conflict warning systems

Category: Signs

Study: [Multi-State Safety Evaluation of Intersection Conflict Warning Systems \(ICWS\), Himes et al, 2016](#)



Star Quality Rating:	<input type="text" value="4 Stars"/> [View score details]
----------------------	---------------------------------------------------------------------------



Crash Modification Factor (CMF)

Value:	0.454
Adjusted Standard Error:	
Unadjusted Standard Error:	0.067



Crash Reduction Factor (CRF)

Value:	54.6 (This value indicates a decrease in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error:	6.7
-----------------------------------	-----

Applicability

Crash Type:	Angle
--------------------	-------

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

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

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

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

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

Area Type:	Rural
-------------------	-------

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

Time of Day:	Not specified
---------------------	---------------

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
---------------------------	-------------------------------------------

Intersection Geometry:	4-leg
-------------------------------	-------

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

Major Road Traffic Volume:	
-----------------------------------	--

Minor Road Traffic Volume:	
-----------------------------------	--

Development Details

Date Range of Data Used:	
---------------------------------	--

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

State:	MN, MO, NC
---------------	------------

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

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-17-2017
Comments:	CMF for 2-lane at 2-lane intersections

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.