



CMF / CRF Details

CMF ID: 5555

Install J-Turn intersection

Description: Install J-Turn intersection

Prior Condition: Two way stop controlled intersection

Category: Intersection geometry

Study: [Evaluation of J-turn Intersection Design Performance in Missouri, Edara et al., 2013](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.652

Adjusted Standard Error:

Unadjusted Standard Error:

Crash Reduction Factor (CRF)

Value: 34.8 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Principal Arterial Other Freeways and Expressways

Number of Lanes:

Road Division Type:

Divided by Median

Speed Limit:

65-70

Area Type:

Rural

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

3-leg,4-leg

Traffic Control:

Other

Major Road Traffic Volume:

10326 to 26470 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

434 to 1389 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used:

2004 to 2013

Municipality:

State:

MO

Country:	USA
Type of Methodology Used:	Before/after using empirical Bayes or full Bayes
Sample Size Used:	
Before Sample Size Used:	86
After Sample Size Used:	27

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Aug-12-2014
Comments:	

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.