## **CMF / CRF Details**

**CMF ID: 8445** 

Install intersection conflict warning systems (ICWS) for four-lane at two-lane intersections

**Description:** 

**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: [View score details]

Crash Modification Factor (CMF)		
Value:	1.05	
Adjusted Standard Error:		
Unadjusted Standard Error:	0.39	

Crash Reduction Factor (CRF)		
Value:	-5 (This value indicates an <b>increase</b> in crashes)	
Adjusted Standard Error:		
Unadjusted Standard Error:	39	

Applicability	
Crash Type:	All
Crash Severity:	A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	Not specified
Number of Lanes:	4
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	
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:	Authors indicated that this CMF is based on small sample size and should be interpreted with caution.

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