



## CMF / CRF Details

**CMF ID: 8432**

**Install intersection conflict warning systems (ICWS) for two-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:** 0.86

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.22

### Crash Reduction Factor (CRF)

**Value:** 14 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	22
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### Applicability

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	2
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Rural
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	Not specified

### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
<b>Intersection Geometry:</b>	4-leg
<b>Traffic Control:</b>	Stop-controlled
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	
<b>Municipality:</b>	
<b>State:</b>	MN

<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jan-17-2017
<b>Comments:</b>	Authors indicated that this CMF is based on small sample size and should be interpreted with caution.

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