



CMF / CRF Details

CMF ID: 8982

Install oversized chevron signs

Description: Curve warning treatment with oversized chevron signs

Prior Condition: smaller 12x18in or 24x30in signs

Category: Signs

Study: [Safety Evaluation of Two Curve Warning Treatments: In-Lane Curve Warning Pavement Markings and Oversized Chevron Signs, Lyon et al., 2017](#)

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

Crash Modification Factor (CMF)	
Value:	0.56
Adjusted Standard Error:	
Unadjusted Standard Error:	0.184

Crash Reduction Factor (CRF)	
Value:	44 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	18.4

Applicability

Crash Type: Nighttime

Crash Severity: All

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Not specified

Traffic Volume: 173 to 27235 Annual Average Daily Traffic (AADT)

Time of Day: Night

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Traffic Control:

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State: IA, KS, MO

Country: USA

Type of Methodology Used: 2

Sample Size Used:

Other Details

Included in Highway Safety Manual?

No

Date Added to Clearinghouse:

Nov-17-2017

Comments:

Presence of advisory speed signs The number of crashes in the after period were not reported in this study, however, they have been recorded as 300 to give 10 points as a benefit of doubt for one or more of the following: (1) number of miles/sites in the reference/treatment group, (2) number of crashes in the references/treatment group, (3) reporting AADTs for the aggregate dataset but not for the disaggregate dataset used for CMF development.

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

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