



# CMF / CRF Details

**CMF ID: 8981**

**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:**

**3 Stars**

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

## Crash Modification Factor (CMF)

**Value:** 0.756

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.25

## Crash Reduction Factor (CRF)

**Value:** 24.4 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 25

## Applicability

**Crash Type:** Other

**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

<b>Sample Size Used:</b>	
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<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Nov-17-2017
<b>Comments:</b>	This cmf applies to nighttime run-off road crashes. Small sample size, use with caution

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