



## CMF / CRF Details

CMF ID: 2433

**Install new fluorescent curve signs or upgrade existing curve signs to fluorescent sheeting**

**Description:** Enhancing delineation along curves by installing new or replacing existing warning signs, curve delineation signs, and/or post mounted delineators. Warning signs include curve ahead or suggested speed limit and curve delineation signs include chevrons and horizontal arrows.

**Prior Condition:** No sign or sign without fluorescent sheeting

**Category:** Signs

**Study:** [Safety Evaluation of Improved Curve Delineation, Srinivasan et al., 2009](#)

Star Quality Rating:



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

### Crash Modification Factor (CMF)

**Value:** 0.75

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.127

### Crash Reduction Factor (CRF)

**Value:** 25 (This value indicates a **decrease** in crashes)

<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	12.7

<b>Applicability</b>	
<b>Crash Type:</b>	Non-intersection
<b>Crash Severity:</b>	K (fatal),A (serious injury),B (minor injury),C (possible injury)
<b>Roadway Types:</b>	All
<b>Number of Lanes:</b>	2
<b>Road Division Type:</b>	Undivided
<b>Speed Limit:</b>	
<b>Area Type:</b>	Rural
<b>Traffic Volume:</b>	895 to 20479 <i>Annual Average Daily Traffic (AADT)</i>
<b>Time of Day:</b>	All

***If countermeasure is intersection-based***

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

<b>Development Details</b>	
<b>Date Range of Data Used:</b>	1997 to 2006
<b>Municipality:</b>	

<b>State:</b>	CT
<b>Country:</b>	
<b>Type of Methodology Used:</b>	Before/after using empirical Bayes or full Bayes
<b>Sample Size Used:</b>	
<b>Before Sample Size Used:</b>	46
<b>After Sample Size Used:</b>	22

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	
<b>Comments:</b>	

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