



# CMF / CRF Details

CMF ID: 36

Increase distance to roadside features from 16.7 ft to 30 ft

**Description:**

**Prior Condition:** *No Prior Condition(s)*

**Category:** Roadside

**Study:** [Handbook of Road Safety Measures, Elvik, R. and Vaa, T., 2004](#)

Star Quality Rating:	
	<input type="text" value="8 Stars"/>

Crash Modification Factor (CMF)	
Value:	0.56
Adjusted Standard Error:	0.01
Unadjusted Standard Error:	0.01

Crash Reduction Factor (CRF)	
Value:	44 (This value indicates a <b>decrease</b> in crashes)
Adjusted Standard Error:	1
Unadjusted Standard Error:	1

Applicability
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<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	All
<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>	

*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>	

**Development Details**

<b>Date Range of Data Used:</b>	
<b>Municipality:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Type of Methodology Used:</b>	9
<b>Sample Size Used:</b>	

## Other Details

**Included in Highway Safety Manual?**

Yes. HSM lists this CMF in **bold** font to indicate that it has the highest reliability since it has an adjusted standard error of 0.1 or less.

**Date Added to Clearinghouse:**

Dec-01-2009

**Comments:**

Countermeasure name changed - converted meters to feet

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