



CMF / CRF Details

CMF ID: 5187

Modify roadside hazard rating

Description: Roadside hazard rating descriptions and photos are available at <http://www.fhwa.dot.gov/publications/research/safety/99207/appd.cfm> (accessed March 21, 2013)

Prior Condition: *No Prior Condition(s)*

Category: Roadside

Study: [Prediction of the Expected Safety Performance of Rural Two-Lane Highways, Harwood et al., 2000](#)

Star Quality Rating:	
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Crash Modification Factor (CMF)	
Value:	$CMF = \frac{e^{(-0.6869+0.0668 \times RoadsideHazardRating)}}{e^{(-0.4865)}}$
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	(This value indicates an increase in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error:

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Minor Arterial

Number of Lanes:

2

Road Division Type:

Speed Limit:

Area Type:

Rural

Traffic Volume:

Time of Day:

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:

Country:	
Type of Methodology Used:	
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	
Date Added to Clearinghouse:	Dec-01-2009
Comments:	HSM 1st Ed, page 13-25. To determine the CMF for changing the condition, divide the "new" condition CMF by the "existing" condition CMF.

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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