



CMF / CRF Details

CMF ID: 7137

Flatten side slopes

Description:

Prior Condition: Traversable median with unspecific sideslope ratio

Category: Roadside

Study: [NCHRP Report 794: Median Cross-Section Design for Rural Divided Highways, Graham et al., 2014](#)

Star Quality Rating:

Stars

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

Crash Modification Factor (CMF)

Value: 0.834

Adjusted Standard Error:

Unadjusted Standard Error: 0.047

Crash Reduction Factor (CRF)

Value: 16.6 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 4.7

Applicability

Crash Type:

Cross median,Fixed object,Run off road,Other

Crash Severity:

All

Roadway Types:

Principal Arterial Other Freeways and Expressways

Number of Lanes:

4

Road Division Type:

Divided by Median

Speed Limit:

Area Type:

Rural

Traffic Volume:

Time of Day:

All

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:

2001 to 2005

Municipality:

State:

WA

Country:

USA

Type of Methodology Used:

7

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-01-2015
Comments:	This CMF applies to a unit decrease in median slope ratio for all median-related crashes on four-lane freeways with a rigid barrier. Median-related crashes include hit barrier, cross-median-crash, non-collision cross-median crash, rollover, fixed-object, and other median-related.

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