



CMF / CRF Details

CMF ID: 377

Permit right-turn-on-red

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection traffic control

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

Star Quality Rating:

8 Stars

Crash Modification Factor (CMF)

Value: 1.1

Adjusted Standard Error: 0.01

Unadjusted Standard Error: 0.01

Crash Reduction Factor (CRF)

Value: -10 (This value indicates an **increase** in crashes)

Adjusted Standard Error: 1

Unadjusted Standard Error: 1

Applicability

Crash Type:	Right turn
Crash Severity:	0 (property damage only)
Roadway Types:	Not Specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Not Specified
Traffic Volume:	
Time of Day:	

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	Not Specified
Traffic Control:	Signalized
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	
Municipality:	
State:	
Country:	
Type of Methodology Used:	9
Sample Size Used:	

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:

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