



CMF / CRF Details

CMF ID: 5193

Change intersection skew angle

Description: Skew angle is defined as the absolute value of the difference between 90 degrees and the actual intersection angle (see illustration).

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

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

| | |
|----------------------|--|
| Star Quality Rating: | |
|----------------------|--|

Crash Modification Factor (CMF)

| | |
|----------------------------|--|
| Value: | $CMF = \frac{0.048 \times skew}{(0.72 + 0.048 \times skew)} + 1.0$ |
| 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:

Multilane

Road Division Type:

Speed Limit:

Area Type:

Rural

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type:

Roadway/roadway (not interchange related)

Intersection Geometry:

4-leg

Traffic Control:

Stop-controlled

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

No state(s) chosen.

| | |
|----------------------------------|--|
| 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 14-20 |

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