



CMF / CRF Details

CMF ID: 2005

Convert 12-ft lanes and 6-ft shoulders to 11-ft lanes and 3-ft shoulders

Description:

Prior Condition: 2-lane rural, undivided. Total width = 28 ft; Lane width = 11 ft; Shoulder width = 3 ft

Category: Roadway

Study: [Safety Effectiveness of Lane and Shoulder Width Combinations on Rural, Two-Lane, Undivided Roads , Gross et al., 2009](#)

Star Quality Rating:

8 Stars

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

Crash Modification Factor (CMF)

Value: 1.19

Adjusted Standard Error:

Unadjusted Standard Error: 0.042

Crash Reduction Factor (CRF)

Value: -19 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 4.2

Applicability

| | |
|----------------------------|---|
| Crash Type: | Run off road |
| Crash Severity: | All |
| Roadway Types: | Not Specified |
| Number of Lanes: | 2 |
| Road Division Type: | Undivided |
| Speed Limit: | |
| Area Type: | Rural |
| Traffic Volume: | 1000 <i>Annual Average Daily Traffic (AADT)</i> |
| 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: | 1997 to 2001 |
| Municipality: | |
| State: | PA |
| Country: | |

| | |
|----------------------------------|------------|
| Type of Methodology Used: | 5 |
| Sample Size Used: | 4188 Sites |

| Other Details | |
|---|-------------|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Dec-01-2009 |
| Comments: | |

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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