



CMF / CRF Details

CMF ID: 2006

Convert 12-ft lanes and 6-ft shoulders to 12-ft lanes and 2-ft shoulders

Description:

Prior Condition: 2-lane rural, undivided. Total width = 28 ft; Lane width = 12 ft; Shoulder width = 2 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:



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

Crash Modification Factor (CMF)

Value: 1.16

Adjusted Standard Error:

Unadjusted Standard Error: 0.082

Crash Reduction Factor (CRF)

Value: -16 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	8.2
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Applicability

Crash Type:	Run off road
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Crash Severity:	All
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Roadway Types:	Not Specified
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Number of Lanes:	2
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Road Division Type:	Undivided
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Speed Limit:	
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Area Type:	Rural
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Traffic Volume:	1000
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Time of Day:	All
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If countermeasure is intersection-based

Intersection Type:	
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Intersection Geometry:	
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Traffic Control:	
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Major Road Traffic Volume:	
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Minor Road Traffic Volume:	
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Development Details

Date Range of Data Used:	1997 to 2001
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Municipality:	
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State:	PA
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Country:	
Type of Methodology Used:	5
Sample Size Used:	882 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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