



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:	
<input type="text" value="8 Stars"/>	[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

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
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:	882 Sites

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

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