



CMF / CRF Details

CMF ID: 2011

Convert 12-ft lanes and 6-ft shoulders to 11-ft lanes and 6-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:	
<input type="text" value="8 Stars"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.84
Adjusted Standard Error:	
Unadjusted Standard Error:	0.046

Crash Reduction Factor (CRF)	
Value:	16 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	4.6

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:	1597 Sites

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

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