



CMF / CRF Details

CMF ID: 2347

Install TWLTL (two-way left turn lane) on two lane road

Description:

Prior Condition: *No Prior Condition(s)*

Category: Roadway

Study: [*Safety Evaluation of Installing Center Two-Way Left-Turn Lanes on Two-Lane Roads, Lyon et al., 2008*](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 0.501

Adjusted Standard Error:

Unadjusted Standard Error: 0.073

Crash Reduction Factor (CRF)

Value: 49.9 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

Unadjusted Standard Error:	7.3
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Applicability

Crash Type:	Rear end
Crash Severity:	All
Roadway Types:	Not Specified
Number of Lanes:	2
Road Division Type:	Divided by TWLTL
Speed Limit:	
Area Type:	
Traffic Volume:	8500 to 22500 <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:	1994 to 2004
Municipality:	
State:	AR

Country:	
Type of Methodology Used:	2
Sample Size Used:	
Before Sample Size Used:	139
After Sample Size Used:	139

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

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