



CMF / CRF Details

CMF ID: 2338

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: 0.686

Adjusted Standard Error:

Unadjusted Standard Error: 0.057

Crash Reduction Factor (CRF)

Value: 31.4 *(This value indicates a **decrease** in crashes)*

Adjusted Standard Error:

Unadjusted Standard Error: 5.7

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not Specified

Number of Lanes:

2

Road Division Type:

Divided by TWLTL

Speed Limit:

Area Type:

All

Traffic Volume:

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:

1991 to 2004

Municipality:

State:

CA

Country:

Type of Methodology Used:

2

Sample Size Used:	
Before Sample Size Used:	89
After Sample Size Used:	89

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

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