



## CMF / CRF Details

CMF ID: 2341

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: 0.797

Adjusted Standard Error:

Unadjusted Standard Error: 0.03

### Crash Reduction Factor (CRF)

Value: 20.3 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

<b>Unadjusted Standard Error:</b>	3
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### Applicability

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Not Specified
<b>Number of Lanes:</b>	2
<b>Road Division Type:</b>	Divided by TWLTL
<b>Speed Limit:</b>	
<b>Area Type:</b>	All
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All

*If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	1990 to 2004
<b>Municipality:</b>	
<b>State:</b>	AR, CA, IL, NC

<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	
<b>Before Sample Size Used:</b>	582
<b>After Sample Size Used:</b>	582

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

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