



## CMF / CRF Details

**CMF ID: 2348**

**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:** 0.506

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.073

### Crash Reduction Factor (CRF)

**Value:** 49.4 (*This value indicates a **decrease** in crashes*)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	7.3
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### Applicability

<b>Crash Type:</b>	Rear end
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<b>Crash Severity:</b>	All
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<b>Roadway Types:</b>	Not Specified
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<b>Number of Lanes:</b>	2
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<b>Road Division Type:</b>	Divided by TWLTL
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<b>Speed Limit:</b>	
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<b>Area Type:</b>	All
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<b>Traffic Volume:</b>	
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<b>Time of Day:</b>	All
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### *If countermeasure is intersection-based*

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

<b>Date Range of Data Used:</b>	1991 to 2004
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<b>Municipality:</b>	
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<b>State:</b>	CA
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<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	
<b>Before Sample Size Used:</b>	89
<b>After Sample Size Used:</b>	89

<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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