



CMF / CRF Details

CMF ID: 7966

Install a traffic signal and left turn lanes

Description: Install a traffic signal and left turn lanes

Prior Condition: Intersections with a stop sign on minor roads

Category: Intersection traffic control

Study: [Safety Evaluation of Signal Installation With and Without Left Turn Lanes on Two Lane Roads in Rural and Suburban Areas, Srinivasan et al., 2014](#)

Star Quality Rating:



[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.541

Adjusted Standard Error:

Unadjusted Standard Error: 0.044

Crash Reduction Factor (CRF)

Value: 45.9 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	4.4
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Applicability

Crash Type:	All
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Crash Severity:	All
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Roadway Types:	Not specified
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Number of Lanes:	2
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Road Division Type:	
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Speed Limit:	
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Area Type:	All
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Traffic Volume:	
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Time of Day:	All
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If countermeasure is intersection-based

Intersection Type:	Not specified
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Intersection Geometry:	3-leg
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Traffic Control:	Stop-controlled
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Major Road Traffic Volume:	2981 to 18248 Annual Average Daily Traffic (AADT)
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Minor Road Traffic Volume:	1852 to 13880 Annual Average Daily Traffic (AADT)
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Development Details

Date Range of Data Used:	1992 to 2012
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Municipality:	
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State:	NC
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Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-10-2016
Comments:	The CMF was developed for both rural and suburban areas.

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