



CMF / CRF Details

CMF ID: 1583

Install left-turn lane (signal has left-turn phase)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Older Drivers at a Crossroads, Morena et al., 2007](#)

Star Quality Rating

Star Quality Rating:	<input type="text" value="✘ Star"/> [View score details]
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Crash Modification Factor (CMF)

Value:	0.27
Adjusted Standard Error:	
Unadjusted Standard Error:	0.078

Crash Reduction Factor (CRF)

Value:	73 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	7.8

Applicability

Crash Type:	Head on
Crash Severity:	All
Roadway Types:	Not specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Urban
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	4-leg
Traffic Control:	Signalized
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	
Municipality:	Detroit, Grand Rapids
State:	MI
Country:	usa
Type of Methodology Used:	3
Sample Size Used:	Crashes

Before Sample Size Used:	56 Crashes
After Sample Size Used:	15 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Applies to head-on and left-turn crashes involving older drivers (age 65+)

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