

CMF / CRF Details

CMF ID: 9941


Install a traffic signal

Description:

Prior Condition: Two-way stop-controlled

Category: Intersection traffic control

Study: [Effects of Signalization at Rural Intersections Considering the Elderly Driving Population, Yue et al., 2019](#)

Star Quality Rating:	 [View score details]
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Crash Modification Factor (CMF)

Value:	$CMF = e^{(0.0534 \times \ln(AADT \times (1 - elderly)))}$ <p>Where:</p> <p style="margin-left: 40px;">AADT = Average annual daily traffic on the major road, expressed in actual value</p> <p style="margin-left: 40px;">elderly = proportion of areawide drivers who are 65 years and older</p>
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)

Value:	(This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type:	Rear end
Crash Severity:	All

Roadway Types:	Not specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Rural
Traffic Volume:	
Time of Day:	All
<i>If countermeasure is intersection-based</i>	
Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	3-leg
Traffic Control:	Other
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details	
Date Range of Data Used:	2011 to 2014
Municipality:	
State:	FL
Country:	
Type of Methodology Used:	7
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-26-2019
Comments:	This CMF is for crashes not involving elderly drivers.

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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