

## CMF / CRF Details

CMF ID: 9934


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:	 <a href="#">[View score details]</a>
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Crash Modification Factor (CMF)	
Value:	$CMF = e^{(-0.1462 \times \ln(AADT \times (1 - elderly)))}$ <p>Where:</p> <p>AADT = Average annual daily traffic on the major road, expressed in actual value</p> <p>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 <b>increase</b> in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability	
Crash Type:	Angle
Crash Severity:	K (fatal),A (serious injury),B (minor injury)

<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Rural
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All
<b><i>If countermeasure is intersection-based</i></b>	
<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
<b>Intersection Geometry:</b>	4-leg
<b>Traffic Control:</b>	Other
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

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

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

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