



CMF / CRF Details

CMF ID: 8728

Install Box Span Signal

Description:

Prior Condition: Intersections with diagonal span signal configurations

Category: Advanced technology and ITS

Study: [Safety Evaluation of Box Span Signal Configuration, Yassin et al., 2017](#)

Star Quality Rating:	
	[View score details]

Crash Modification Factor (CMF)	
Value:	0.841
Adjusted Standard Error:	
Unadjusted Standard Error:	0.133

Crash Reduction Factor (CRF)	
Value:	15.9 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	13.3

Applicability

Crash Type: Angle

Crash Severity: All

Roadway Types: Not specified

Number of Lanes: 0-4

Road Division Type: All

Speed Limit:

Area Type:

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type: Not specified

Intersection Geometry: 3-leg,4-leg

Traffic Control: Signalized

Major Road Traffic Volume: 3220 to 66316 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume: 471 to 53080 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used: 2006 to 2011

Municipality:

State: MI

Country: USA

Type of Methodology Used:	Before/after using empirical Bayes or full Bayes
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-17-2017
Comments:	CMF of angle crashes for drivers at age of 65 or older

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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