



CMF / CRF Details

CMF ID: 3340

Install variable speed limit signs

Description: Install variable speed limit signs

Prior Condition: No variable speed limit sign present

Category: Speed management

Study: [Evaluation of Variable Speed Limits on I-270/I-255 in St. Louis, Bham et al., 2010](#)

Star Quality Rating:	
<input type="text" value="2 Stars"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.92
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	8 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Principal Arterial Interstate

Number of Lanes:

Road Division Type:

Speed Limit:

40 to 60

Area Type:

Urban

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Intersection Geometry:

Traffic Control:

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

2007 to 2009

Municipality:

St. Louis

State:

MO

Country:

U.S.A.

Type of Methodology Used:

2

Sample Size Used:	
After Sample Size Used:	1636

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jun-04-2012
Comments:	The crash count sum in Table S4 (p. 24) is for the 'after' period. The crash count for the 'before' period is not given. Although the crash count in the after period is substantial, the after period is only 1 year (p. 38); therefore, the crash count may give an inflated impression of the sample size. Traffic volume data is not given in this report. According to Table S2, the total length of the segments is 35.21 mi.

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