



CMF / CRF Details

CMF ID: 10023

Implement Active Traffic Management Strategies

Description: Implement a combination of Advisory Variable Speed Limits and Lane Use Control Signs on a section of interstate.

Prior Condition: Interstate segment with static speed limits and no lane use control signals.

Category: Advanced technology and ITS

Study: [*Evaluation of the Impact of the I-66 Active Traffic Management System: Phase II, Dutta et al., 2018*](#)

Star Quality Rating:



[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 1.159

Adjusted Standard Error:

Unadjusted Standard Error: 0.161

Crash Reduction Factor (CRF)

Value: -15.9 (*This value indicates an **increase** in crashes*)

Adjusted Standard Error:	
Unadjusted Standard Error:	16.1

Applicability	
Crash Type:	All
Crash Severity:	K (fatal),A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	Principal Arterial Interstate
Number of Lanes:	6-8
Road Division Type:	Divided by Median
Speed Limit:	
Area Type:	Suburban
Traffic Volume:	167000 to 184000 <i>Annual Average Daily Traffic (AADT)</i>
Time of Day:	All

<i>If countermeasure is intersection-based</i>	
Intersection Type:	
Intersection Geometry:	
Traffic Control:	
Major Road Traffic Volume:	
Minor Road Traffic Volume:	

Development Details	
Date Range of Data Used:	2011 to 2016
Municipality:	

State:	VA
Country:	United States
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:	Jul-26-2019
Comments:	Applies to a segment with advisory variable speed limits and lane use control signals.

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