



CMF / CRF Details

CMF ID: 9380

Implement truck lane restrictions

Description: TLR prohibit semi- trucks (trucks) from using the left-5 most freeway lane, or inner lane, except in passing or emergency maneuvers.

Prior Condition: Roadway without Traffic Lane Restrictions

Category: Roadway

Study: [Safety Performance of Truck Lane Restrictions in Texas: Empirical Bayes Observational Before-After Analysis, Das et al., 2018](#)

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

Crash Modification Factor (CMF)	
Value:	1.17
Adjusted Standard Error:	
Unadjusted Standard Error:	0.36623

Crash Reduction Factor (CRF)	
Value:	-17 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	36.623

Applicability

Crash Type:	Truck related
Crash Severity:	K (fatal),A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	Not specified
Number of Lanes:	8
Road Division Type:	Divided by Median
Speed Limit:	
Area Type:	
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:	2011 to 2015
Municipality:	Dallas-Fort Worth
State:	TX
Country:	

Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Oct-27-2018
Comments:	This CMF is for large truck involved fatal and injury crashes on eight-lane roadways. The number of crashes in the after period were not reported in this study, however, they have been recorded as 300 to give 10 points as a benefit of doubt for one or more of the following: (1) number of miles/sites in the reference/treatment group, (2) number of crashes in the references/treatment group, (3) reporting AADTs for the aggregate dataset but not for the disaggregate dataset used for CMF development.

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