



CMF / CRF Details

CMF ID: 9379

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:



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

Crash Modification Factor (CMF)

Value: 0.68

Adjusted Standard Error:

Unadjusted Standard Error: 0.3224

Crash Reduction Factor (CRF)

Value: 32 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:

32.24

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:

6

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 six-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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