



CMF / CRF Details

CMF ID: 5463

Convert an open median to a left-in only median

Description: Convert a full median opening to a left-in only median

Prior Condition: Roadways with full median openings

Category: Access management

Study: [Safety Effects of Median Treatments Using Longitudinal Channelizers: Empirical Bayesian Before-and-After Study, Zhou et al., 2013](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 1.13

Adjusted Standard Error:

Unadjusted Standard Error: 0.2324

Crash Reduction Factor (CRF)

Value: -13 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 23.24

Applicability

Crash Type: All

Crash Severity: 0 (property damage only)

Roadway Types: Principal Arterial Other

Number of Lanes: 4 to 6

Road Division Type: Divided by Median

Speed Limit: 40mph to 55mph

Area Type: Urban and suburban

Traffic Volume: 45000 to 75000 *Annual Average Daily Traffic (AADT)*

Time of Day: Not specified

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: 2003 to 2010

Municipality: Tampa

State: FL

Country:	
Type of Methodology Used:	Before/after using empirical Bayes or full Bayes
Sample Size Used:	Crashes
After Sample Size Used:	51 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Apr-30-2014
Comments:	CMF for PDO crashes (based on the KABCO scale). The SPF only included VMT. It was not clear if annual calibration factors or other methods were used to account for trends.

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