



CMF / CRF Details

CMF ID: 7829

Road diet (Convert 4-lane undivided road to 2-lanes plus turning lane)

Description:

Prior Condition: Roadways with 2 lanes in each direction

Category: Roadway

Study: [*Validation and Application of Highway Safety Manual \(Part D\) in Florida, Abdel-Aty et al., 2014*](#)

Star Quality Rating:	
8 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	0.63
Adjusted Standard Error:	
Unadjusted Standard Error:	0.17

Crash Reduction Factor (CRF)	
Value:	37 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	17

Applicability

Crash Type:

All

Crash Severity:

K (fatal),A (serious injury),B (minor injury),C (possible injury)

Roadway Types:

Principal Arterial Other

Number of Lanes:

4

Road Division Type:

Undivided

Speed Limit:

Area Type:

Urban

Traffic Volume:

2000 to 28500 *Annual Average Daily Traffic (AADT)*

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:

2010 to 2012

Municipality:

State:

FL

Country:

USA

Type of Methodology Used:

7

Sample Size Used:	
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Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-08-2016
Comments:	CMFs of converting urban undivided 4-lane arterials into 3 lane (1 lane in each direction with a TWLTL).

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