



CMF / CRF Details

CMF ID: 10368

Install pedestrian countdown timer

Description: Install pedestrian countdown timer

Prior Condition: Intersections without countdown times (but with pedestrian signals)

Category: Intersection traffic control

Study: [*A Justification for Pedestrian Countdown Signals at Signalized Intersections: The Safety Impact on Senior Motorists, Boateng et al., 2019*](#)

Star Quality Rating:	
8 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	1.04
Adjusted Standard Error:	
Unadjusted Standard Error:	0.04

Crash Reduction Factor (CRF)	
Value:	-4 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	4

Applicability

Crash Type:

All

Crash Severity:

O (property damage only)

Roadway Types:

All

Number of Lanes:

1-10

Road Division Type:

All

Speed Limit:

Area Type:

Not specified

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Not specified

Intersection Geometry:

Not specified

Traffic Control:

Signalized

Major Road Traffic Volume:

1637 to 70100 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

730 to 35214 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used:

2004 to 2016

Municipality:

State:

MI

Country:

Type of Methodology Used:	1
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jun-01-2020
Comments:	The study focused on safety impacts on motorists. The CMF is for crashes only involving motorists less than 65 years and is not statistically significant.

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