



CMF / CRF Details

CMF ID: 10370

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:	0.71
Adjusted Standard Error:	
Unadjusted Standard Error:	0.11

Crash Reduction Factor (CRF)	
Value:	29 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	11

Applicability

Crash Type:

All

Crash Severity:

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

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 involving drivers aged 65 and above.

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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