



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:



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

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
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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.

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