



# CMF / CRF Details

CMF ID: 10369

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: 0.81

Adjusted Standard Error:

Unadjusted Standard Error: 0.06

## Crash Reduction Factor (CRF)

Value: 19 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 6

**Applicability**

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	All
<b>Number of Lanes:</b>	1-10
<b>Road Division Type:</b>	All
<b>Speed Limit:</b>	
<b>Area Type:</b>	Not specified
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All

***If countermeasure is intersection-based***

<b>Intersection Type:</b>	Not specified
<b>Intersection Geometry:</b>	Not specified
<b>Traffic Control:</b>	Signalized
<b>Major Road Traffic Volume:</b>	1637 to 70100 Annual Average Daily Traffic (AADT)
<b>Minor Road Traffic Volume:</b>	730 to 35214 Annual Average Daily Traffic (AADT)

**Development Details**

<b>Date Range of Data Used:</b>	2004 to 2016
<b>Municipality:</b>	
<b>State:</b>	MI
<b>Country:</b>	

<b>Type of Methodology Used:</b>	1
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jun-01-2020
<b>Comments:</b>	The study focused on safety impacts on motorists. The CMF is for crashes involving drivers aged 65 and above.

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