



CMF / CRF Details

CMF ID: 8218

Install pedestrian countdown timer

Description: Install pedestrian countdown timer

Prior Condition: Intersections without pedestrian countdown signals

Category: Intersection traffic control

Study: [Evaluating Effectiveness of Pedestrian Countdown Signals on Safety of Older Drivers, Kwigizile et al., 2016](#)



Star Quality Rating: [\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.85

Adjusted Standard Error:

Unadjusted Standard Error: 0.092

Crash Reduction Factor (CRF)

Value: 15 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error:	9.2
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Applicability

Crash Type:	Other
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Crash Severity:	All
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Roadway Types:	Not specified
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Number of Lanes:	1-10
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Road Division Type:	All
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Speed Limit:	
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Area Type:	Not specified
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Traffic Volume:	
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Time of Day:	All
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If countermeasure is intersection-based

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

Date Range of Data Used:	2004 to 2013
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Municipality:	
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State:	MI
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Country:	
Type of Methodology Used:	Before/after using comparison group
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jan-17-2017
Comments:	CMFs of crashes involve drivers at age of 65 or older.

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