CMF / CRF Details

CMF ID: 9910

Modify signal phasing (implement a leading pedestrian interval)

Description:

Prior Condition: Signal phasing without leading pedestrian interval

Category: Intersection traffic control

Study: <u>Safety Evaluation of Protected Left-Turn Phasing and Leading Pedestrian</u> Intervals on Pedestrian Safety, Goughnour et al., 2018

Star Quality Rating: [View score details]

Crash Modification Factor (CMF)

Value: 0.84

Adjusted Standard Error: 0.031

Crash Reduction Factor (CRF)	
Value:	16 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	3.1

Applicability	
Crash Type:	All
Crash Severity:	AII
Roadway Types:	AII
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Urban and suburban
Traffic Volume:	
Time of Day:	AII
If countermeasure is intersection-based	
Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	Not specified
Traffic Control:	Signalized
Major Road Traffic Volume:	1828 to 46599 Annual Average Daily Traffic (AADT)
Minor Road Traffic Volume:	4944 to 48075 Annual Average Daily Traffic (AADT)

Development Details		
Date Range of Data Used:	2001 to 2014	
Municipality:	New York City	
State:	NY	
Country:		
Type of Methodology Used:	2	

Sample Size Used:

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-11-2019
Comments:	Crash Type = Total Crashes. This CMF is for sites where LPIs were implemented either at all crossings (across major and minor roads) or only for crossings across the minor road (parallel to the major road).

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