



CMF / CRF Details

CMF ID: 1409

Replace existing WALK / DON'T WALK signals with pedestrian countdown signal heads

Description:

Prior Condition: Conventional pedestrian signals, not countdown LED signals.

Category: Intersection traffic control

Study: [*Pedestrian Countdown Signals: Experience with an Extensive Pilot Installation, Markowitz et al., 2006*](#)

Star Quality Rating:	
<input type="text" value="✖ Star"/>	[View score details]

Crash Modification Factor (CMF)	
Value:	0.75
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	25 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type: Vehicle/pedestrian

Crash Severity: A (serious injury),B (minor injury),C (possible injury)

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: Not specified

Traffic Control: Signalized

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 1999 to 2002

Municipality: San Francisco

State: CA

Country:

Type of Methodology Used: 3

Sample Size Used:	Crashes
Before Sample Size Used:	27 Crashes
After Sample Size Used:	13 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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