



CMF / CRF Details

CMF ID: 10600

Install a pedestrian hybrid beacon (PHB or HAWK)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Pedestrians

Study: [Evaluation of Pedestrian Hybrid Beacons on Arizona Highways, Fitzpatrick et al., 2019](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 0.591

Adjusted Standard Error:

Unadjusted Standard Error: 0.147

Crash Reduction Factor (CRF)

Value: 40.9 (*This value indicates a **decrease** in crashes*)

Adjusted Standard Error:

Unadjusted Standard Error: 14.7

Applicability

Crash Type: Vehicle/pedestrian

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

Roadway Types: All

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Urban and suburban

Traffic Volume:

Time of Day: All

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: 3-leg,4-leg,Not specified

Traffic Control: Not specified

Major Road Traffic Volume: 5400 to 47627 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

Development Details

Date Range of Data Used: 2007 to 2017

Municipality:

State: AZ

Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-17-2020
Comments:	The reference group consisted of 56 signalized intersections.

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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