



CMF / CRF Details

CMF ID: 10601

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:



[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.818

Adjusted Standard Error:

Unadjusted Standard Error: 0.043

Crash Reduction Factor (CRF)

Value: 18.2 *(This value indicates a **decrease** in crashes)*

Adjusted Standard Error:

Unadjusted Standard Error:	4.3
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Applicability	
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Crash Type:	All
Crash Severity:	All
Roadway Types:	All
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Urban and suburban
Traffic Volume:	
Time of Day:	All

<i>If countermeasure is intersection-based</i>	
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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	
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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 101 unsignalized and 56 signalized intersections.

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