



## CMF / CRF Details

**CMF ID: 10603**

**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:** 0.774

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.092

### Crash Reduction Factor (CRF)

**Value:** 22.6 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	9.2
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### Applicability

<b>Crash Type:</b>	Angle
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<b>Crash Severity:</b>	All
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<b>Roadway Types:</b>	All
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<b>Number of Lanes:</b>	
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<b>Road Division Type:</b>	
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<b>Speed Limit:</b>	
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<b>Area Type:</b>	Urban and suburban
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<b>Traffic Volume:</b>	
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<b>Time of Day:</b>	All
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### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
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<b>Intersection Geometry:</b>	3-leg,4-leg,Not specified
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<b>Traffic Control:</b>	Not specified
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<b>Major Road Traffic Volume:</b>	5400 to 47627 Annual Average Daily Traffic (AADT)
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<b>Minor Road Traffic Volume:</b>	
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### Development Details

<b>Date Range of Data Used:</b>	2007 to 2017
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<b>Municipality:</b>	
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<b>State:</b>	AZ
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<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Dec-17-2020
<b>Comments:</b>	The reference group consisted of 101 unsignalized and 56 signalized intersections.

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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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