



# CMF / CRF Details

CMF ID: 9016

Install raised median with or without marked crosswalk (uncontrolled)

**Description:**

**Prior Condition:** No median

**Category:** Pedestrians

**Study:** [Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments, Zegeer et al., 2017](#)

Star Quality Rating:	
<input type="text" value="4 Stars"/>	<a href="#">[View score details]</a>

Crash Modification Factor (CMF)	
Value:	0.722
Adjusted Standard Error:	
Unadjusted Standard Error:	0.106

Crash Reduction Factor (CRF)	
Value:	27.8 (This value indicates a <b>decrease</b> in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	10.6

## Applicability

<b>Crash Type:</b>	Rear end,Sideswipe
<b>Crash Severity:</b>	A (serious injury),B (minor injury),C (possible injury)
<b>Roadway Types:</b>	Minor Arterial
<b>Number of Lanes:</b>	2 to 8
<b>Road Division Type:</b>	Divided by Median
<b>Speed Limit:</b>	
<b>Area Type:</b>	Urban and suburban
<b>Traffic Volume:</b>	1245 to 46000 <i>Annual Average Daily Traffic (AADT)</i>
<b>Time of Day:</b>	All

### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

## Development Details

<b>Date Range of Data Used:</b>	2004 to 2013
<b>Municipality:</b>	
<b>State:</b>	AZ, FL, IL, MA, NY, NC, OR, VA, WI
<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	7

<b>Sample Size Used:</b>	
<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Nov-17-2017
<b>Comments:</b>	Study sites were a combination of intersection and mid-block locations.

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