



# CMF / CRF Details

**CMF ID: 11149**

**CMF Name: Conversion of intersection to roundabout**

**Description: Conversion of stop- and signal-controlled intersections into roundabouts**

**Prior Condition: traditional intersection**

**Category: Intersection geometry**

**Study: [Safety and Economic Evaluation of the Highway Safety Improvement Program: Is there a Return on Investment?](#), Boris Claros, Erynn Schroeder, Kentin Brummett, Madhav Chitturi, Andrea Bill, and David A. Noyce, 2022**

Star Quality Rating:	
8 Stars	

Crash Modification Factor (CMF)	
Value:	0.465
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	53.5 (This value indicates a <b>decrease</b> in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

**Applicability**

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	K (fatal),A (serious injury),B (minor injury),C (possible injury)
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Not specified
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	Not specified

***If countermeasure is intersection-based***

<b>Intersection Type:</b>	Not specified
<b>Intersection Geometry:</b>	Not specified
<b>Traffic Control:</b>	Not specified
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

**Development Details**

<b>Date Range of Data Used:</b>	
<b>Municipality:</b>	
<b>State:</b>	WI
<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>	Aug-25-2022
<b>Comments:</b>	

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