## **CMF / CRF Details**

**CMF ID: 230** 

Convert intersection with minor-road stop control to modern roundabout

**Description:** 

Prior Condition: No Prior Condition(s)

**Category: Intersection geometry** 

Study: NCHRP Report 572: Applying Roundabouts in the United States,

Rodegerdts et al., 2007

Star Quality Rating: 8 Stars

Crash Modification Factor (CMF)		
Value:	0.13	
Adjusted Standard Error:	0.04	
Unadjusted Standard Error:	0.03	

Crash Reduction Factor (CRF)		
Value:	87 (This value indicates a <b>decrease</b> in crashes)	
Adjusted Standard Error:	4	
Unadjusted Standard Error:	3	

Applicability	
Crash Type:	All
Crash Severity:	A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	Not Specified
Number of Lanes:	1
Road Division Type:	
Speed Limit:	
Area Type:	Rural
Traffic Volume:	
Time of Day:	
If countermeasure is intersection-based	
Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	4-leg
Traffic Control:	Stop-controlled
Major Road Traffic Volume:	
Minor Road Traffic Volume:	
Development Details	

Development Details		
Date Range of Data Used:		
Municipality:		
State:		
Country:		
Type of Methodology Used:	2	

## **Sample Size Used:**

Other Details	
Included in Highway Safety Manual?	Yes. HSM lists this CMF in <b>bold</b> font to indicate that it has the highest reliability since it has an adjusted standard error of 0.1 or less.
Date Added to Clearinghouse:	Dec-01-2009
Comments:	Countermeasure name changed from "convert two-way stop-controlled intersection to roundabout" to match HSM

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