



CMF / CRF Details

CMF ID: 211

Conversion of stop-controlled intersection into single-lane roundabout

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Observational Before-After Study of the Safety Effect of U.S. Roundabout Conversions Using the Empirical Bayes Method, Persaud et al., 2001](#)

Star Quality Rating:

Crash Modification Factor (CMF)

Value: 0.18

Adjusted Standard Error: 0.16

Unadjusted Standard Error: 0.09

Crash Reduction Factor (CRF)

Value: 82 (This value indicates a **decrease** in crashes)

Adjusted Standard Error: 16

Unadjusted Standard Error: 9

Applicability

Crash Type:

All

Crash Severity:

A (serious injury),B (minor injury),C (possible injury)

Roadway Types:

Not specified

Number of Lanes:

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:

Not specified

Traffic Control:

Stop-controlled

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

Country:

Type of Methodology Used:

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Sample Size Used:	
Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Dec-01-2009
Comments:	

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