



CMF / CRF Details

CMF ID: 409

Transverse bar pavement marking at roundabout approaches

Description:

Prior Condition: *No Prior Condition(s)*

Category: Speed management

Study: [*A Review of Two Innovative Pavement Patterns that Have Been Developed to Reduce Traffic Speeds and Crashes, Griffin and Reinhardt, 1996*](#)

Star Quality Rating:

Crash Modification Factor (CMF)

Value: 0.48

Adjusted Standard Error: 0.24

Unadjusted Standard Error: 0.11

Crash Reduction Factor (CRF)

Value: 52 (This value indicates a **decrease** in crashes)

Adjusted Standard Error: 24

Unadjusted Standard Error: 11

Applicability

Crash Type: Speed related

Crash Severity:

Roadway Types: Not specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type: Not specified

Traffic Volume:

Time of Day:

If countermeasure is intersection-based

Intersection Type: Roadway/roadway (not interchange related)

Intersection Geometry: Not specified

Traffic Control: Roundabout

Major Road Traffic Volume:

Minor Road Traffic Volume:

Development Details

Date Range of Data Used:

Municipality:

State:

Country:

Type of Methodology Used: 3

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

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