



CMF / CRF Details

CMF ID: 9156

Convert intersection to roundabout

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Road safety effects of roundabouts: A meta-analysis, Elvik, R., 2017](#)

Star Quality Rating

Star Quality Rating:

5 Stars

[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.28

Adjusted Standard Error:

Unadjusted Standard Error: 0.092

Crash Reduction Factor (CRF)

Value: 72 (This value indicates a **decrease** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 9.18

Applicability

| | |
|----------------------------|---------------|
| Crash Type: | All |
| Crash Severity: | K (fatal) |
| Roadway Types: | Not specified |
| Number of Lanes: | |
| Road Division Type: | |
| Speed Limit: | |
| Area Type: | Not specified |
| Traffic Volume: | |
| Time of Day: | Not specified |

If countermeasure is intersection-based

| | |
|-----------------------------------|---------------|
| Intersection Type: | Not specified |
| Intersection Geometry: | Not specified |
| Traffic Control: | |
| Major Road Traffic Volume: | |
| Minor Road Traffic Volume: | |

Development Details

| | |
|----------------------------------|---------------------|
| Date Range of Data Used: | 1975 to 2014 |
| Municipality: | |
| State: | No state(s) chosen. |
| Country: | Multiple countries |
| Type of Methodology Used: | 10 |
| Sample Size Used: | |

Other Details

| | |
|---|---|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Jan-17-2018 |
| Comments: | Includes single and double lane roundabouts |

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