



# CMF / CRF Details

**CMF ID: 9340**

**Conversion of intersection into single-lane roundabout**

**Description: Conversion of intersection into single-lane roundabout**

**Prior Condition: signalized, stop-controlled, yield-controlled and non-controlled intersections**

**Category: Intersection geometry**

**Study: [Safe roundabouts for cyclists, Jensen, S. U., 2017](#)**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Star Quality Rating:</b>          |                                      |
| <input type="text" value="2 Stars"/> | <a href="#">[View score details]</a> |

| <b>Crash Modification Factor (CMF)</b> |       |
|--|-------|
| <b>Value:</b>                          | 0.5   |
| <b>Adjusted Standard Error:</b>        |       |
| <b>Unadjusted Standard Error:</b>      | 0.344 |

| <b>Crash Reduction Factor (CRF)</b> |  |
|-------------------------------------|--|
| <b>Value:</b>                       | 50 (This value indicates a <b>decrease</b> in crashes) |
| <b>Adjusted Standard Error:</b>     |  |
| <b>Unadjusted Standard Error:</b>   | 34.4   |

## Applicability

**Crash Type:** Vehicle/bicycle

**Crash Severity:** All

**Roadway Types:** Not specified

**Number of Lanes:**

**Road Division Type:** All

**Speed Limit:** 40km/h to 130km/h

**Area Type:** All

**Traffic Volume:**

**Time of Day:** All

### *If countermeasure is intersection-based*

**Intersection Type:** Roadway/roadway (not interchange related)

**Intersection Geometry:** No values chosen.

**Traffic Control:** Not specified

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

## Development Details

**Date Range of Data Used:**

**Municipality:**

**State:**

**Country:** Denmark

**Type of Methodology Used:** 1

|                          |  |
|--------------------------|--|
| <b>Sample Size Used:</b> |  |
|--------------------------|--|

| <b>Other Details</b>                      |  |
|---|--|
| <b>Included in Highway Safety Manual?</b> | No   |
| <b>Date Added to Clearinghouse:</b>       | Jun-17-2018  |
| <b>Comments:</b>                          | Type of bicycle facility: Cycle lane<br>Central island height=2 to 10m<br>Central island diameter: All |

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