



## CMF / CRF Details

**CMF ID: 9357**

**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](#)**

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 1.44

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.6

### Crash Reduction Factor (CRF)

**Value:** -44 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

60

### Applicability

**Crash Type:**

Other

**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:**

<b>Country:</b>	Denmark
<b>Type of Methodology Used:</b>	Before/after using comparison group
<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>	Crash type: All except bicycle crashes Type of bicycle facility: Cycle track Central island height=2 to 10m Central island diameter=20m-39.9m

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