



# CMF / CRF Details

**CMF ID: 9330**

**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>	0.85
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	0.247

<b>Crash Reduction Factor (CRF)</b>	
<b>Value:</b>	15 (This value indicates a <b>decrease</b> in crashes)
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	24.7

## 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:** Rural

**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>	
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<b>Other Details</b>	
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<b>Included in Highway Safety Manual?</b>	No
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<b>Date Added to Clearinghouse:</b>	Jun-17-2018
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<b>Comments:</b>	Type of bicycle facility at roundabout: All rural
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