



## CMF / CRF Details

**CMF ID: 4049**

**Moving a separate bicycle crossing to a four-legged intersection**

**Description:** At two-lane intersections where bicyclists are crossing the main/priority road

**Prior Condition:** Two lane road with no raised median on the priority road

**Category:** Bicyclists

**Study:** [Road Factors and Bicycle-Motor Vehicle Crashes at Unsignalized Priority Intersections, Schepers et al., 2011](#)

Star Quality Rating:



### Crash Modification Factor (CMF)

**Value:** 1.28

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.518

### Crash Reduction Factor (CRF)

**Value:** -28 (This value indicates an **increase** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	51.8
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### Applicability

<b>Crash Type:</b>	Vehicle/bicycle
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<b>Crash Severity:</b>	All
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<b>Roadway Types:</b>	All
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<b>Number of Lanes:</b>	
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<b>Road Division Type:</b>	
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<b>Speed Limit:</b>	
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<b>Area Type:</b>	Urban and suburban
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<b>Traffic Volume:</b>	
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<b>Time of Day:</b>	All
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### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
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<b>Intersection Geometry:</b>	4-leg
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<b>Traffic Control:</b>	
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<b>Major Road Traffic Volume:</b>	
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<b>Minor Road Traffic Volume:</b>	
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### Development Details

<b>Date Range of Data Used:</b>	2005 to 2008
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<b>Municipality:</b>	
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<b>State:</b>	
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<b>Country:</b>	Netherlands
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	700

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jun-04-2012
<b>Comments:</b>	

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