



## CMF / CRF Details

**CMF ID: 9984**

**Convert a conventional signalized intersection to a signalized superstreet**

**Description: Convert a conventional signalized intersection to a signalized superstreet (also known as a restricted crossing U-turn intersection or a J-turn intersection)**

**Prior Condition: Conventional Signalized Intersection**

**Category: Intersection geometry**

**Study: [Safety Evaluation of Signalized Restricted Crossing U-Turn Intersections, Hummer & Rao, 2017](#)**

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 0.85

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.16

### Crash Reduction Factor (CRF)

**Value:** 15 (This value indicates a **decrease** in crashes)

<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	16

### Applicability

<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Principal Arterial Other
<b>Number of Lanes:</b>	4-6
<b>Road Division Type:</b>	Divided by Median
<b>Speed Limit:</b>	40-65 MPH
<b>Area Type:</b>	Suburban
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All

### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
<b>Intersection Geometry:</b>	3-leg,4-leg
<b>Traffic Control:</b>	Signalized
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	2002 to 2014
<b>Municipality:</b>	

<b>State:</b>	AL, NC, OH, TX
<b>Country:</b>	United States
<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>	Jul-26-2019
<b>Comments:</b>	

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This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

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