



CMF / CRF Details

CMF ID: 10847

Convert intersection to restricted crossing U-turn (RCUT) intersection

Description: The RCUT, also referred to as the superstreet intersection or J-turn intersection. The conversion is for either signalized or stop-controlled.

Prior Condition: Signalized Intersection

Category: Intersection geometry

Study: [*Evaluating the Safety Effectiveness of Restricted Crossing U turn \(RCUT\) Intersections, Mishra and Pulugurtha, 2021*](#)

Star Quality Rating	
Star Quality Rating:	

Crash Modification Factor (CMF)

Value:	0.898
Adjusted Standard Error:	
Unadjusted Standard Error:	0.221

Crash Reduction Factor (CRF)

Value:	10.15 (This value indicates a decrease in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error:	22.07
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Applicability

Crash Type:	All
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Crash Severity:	All
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Roadway Types:	Not specified
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Number of Lanes:	
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Road Division Type:	
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Speed Limit:	
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Area Type:	Rural
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Traffic Volume:	
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Time of Day:	All
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If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
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Intersection Geometry:	4-leg
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Traffic Control:	Stop-controlled
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Major Road Traffic Volume:	
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Minor Road Traffic Volume:	
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Development Details

Date Range of Data Used:	
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Municipality:	
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State:	NC
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Country:	
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Jul-01-2021
Comments:	This CMF is for installation of Signalized RCUT.

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