



CMF / CRF Details

CMF ID: 8657

Convert a T intersection into a continuous green T intersection

Description: The continuous green T intersection is characterized by a channelized left-turn movement from the minor street approach onto the major street, along with a continuous through movement on the major street. The continuous flow through movement is not controlled by the three-phase traffic signal that is used to separate all other movements at the intersection. Rather, the continuous through movement typically has a green through arrow indicator to inform drivers that they do not have to stop.

Prior Condition: Signalized T Intersection

Category: Intersection geometry

Study: [*Safety Evaluation of Continuous Green T Intersections: A Propensity Scores-genetic Matching-potential Outcomes Approach, Wood and Donnell, 2016*](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.92

Adjusted Standard Error:

Unadjusted Standard Error:

0.12

Crash Reduction Factor (CRF)

Value:	8 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	12

Applicability

Crash Type:	Angle,Rear end,Sideswipe
Crash Severity:	All
Roadway Types:	Not specified
Number of Lanes:	2-8
Road Division Type:	
Speed Limit:	15-60
Area Type:	
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	3-leg
Traffic Control:	Signalized
Major Road Traffic Volume:	8300 to 59000 Annual Average Daily Traffic (AADT)
Minor Road Traffic Volume:	500 to 40000 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used:	2008 to 2013
Municipality:	
State:	FL, SC
Country:	USA
Type of Methodology Used:	Regression cross-section
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-06-2017
Comments:	The study used weighted negative binomial regression with the genetic matched data.

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