CRASH MODIFICATION FACTORS CLEARINGHOUSE

CMF / CRF Details

CMF ID: 2967

Provide a right-turn lane on one major-road approach

Description:

Prior Condition: neither approach of the major road of a 3-leg unsignalized intersection has a right-turn lane

Category: Intersection geometry

Study: *Using a Reliability Process to Reduce Uncertainty in Predicting Crashes at Unsignalized Intersections*, Haleem et al., 2010

Star Quality Rating:	★★★☆☆ [View score details]

Crash Modification Factor (CMF)	
Value:	0.8
Adjusted Standard Error:	
Unadjusted Standard Error:	0.08

Crash Reduction Factor (CRF)	
Value:	20 *(This value indicates a **decrease** in crashes)*
Adjusted Standard Error:	

Unadjusted Standard Error:	8.2

Applicability

Crash Type:	All
Crash Severity:	All
Roadway Types:	Not Specified
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Not specified
Traffic Volume:	
Time of Day:	All

If countermeasure is intersection-based

Intersection Type:	Roadway/roadway (not interchange related)
Intersection Geometry:	3-leg
Traffic Control:	Stop-controlled
Major Road Traffic Volume:	7332 to 66171 Annual Average Daily Traffic (AADT)
Minor Road Traffic Volume:	

Development Details

Date Range of Data Used:	2003 to 2006
Municipality:	Orange County
State:	FL

Country:	U.S.A.
Type of Methodology Used:	7
Sample Size Used:	497 Crashes

Other Details

Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-21-2011
Comments:	Countermeasure name has been slightly modified for consistency across Clearinghouse

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