

CMF / CRF Details

CMF ID: 10990


Change number of through lanes on minor road (from 2 to 1)

Description:

Prior Condition: 2 through lanes on minor road approaches

Category: Intersection geometry

Study: [Development of Crash Modification Factors for Intersections in Toowoomba city, Al-Marafi et al., 2020](#)

Star Quality Rating:	
	

Crash Modification Factor (CMF)	
Value:	0.88
Adjusted Standard Error:	
Unadjusted Standard Error:	0.047

Crash Reduction Factor (CRF)	
Value:	12 (This value indicates a decrease in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error:	4.7
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Applicability

Crash Type:	All
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Crash Severity:	K (fatal),A (serious injury),B (minor injury),C (possible injury)
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Roadway Types:	All
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Number of Lanes:	2 - 5
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Road Division Type:	All
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Speed Limit:	
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Area Type:	All
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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:	3-leg,4-leg
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Traffic Control:	Other
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Major Road Traffic Volume:	4500 to 21784 Annual Average Daily Traffic (AADT)
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Minor Road Traffic Volume:	1600 to 14837 Annual Average Daily Traffic (AADT)
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Development Details

Date Range of Data Used:	2008 to 2015
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Municipality:	Toowoomba City
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State:	
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Country:	Australia
Type of Methodology Used:	7
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Aug-11-2021
Comments:	Intersections are a combination of signalized and un-signalized.

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