



CMF / CRF Details

CMF ID: 2962

Install right-turn lane on minor road of a signalized T intersection (motorcycle crashes)

Description: Install exclusive right-turn lane on minor road of a signalized T intersection (effect on motorcycle crashes)

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Applying Bayesian Hierarchical Models to Examine Motorcycle Crashes at Signalized Intersections, Haque et al., 2010](#)

Star Quality Rating: <input type="text" value="4 Stars"/> [View score details]	
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Crash Modification Factor (CMF)	
Value:	1.6
Adjusted Standard Error:	
Unadjusted Standard Error:	

Crash Reduction Factor (CRF)	
Value:	-60 (This value indicates an increase in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	

Applicability

Crash Type:

All

Crash Severity:

All

Roadway Types:

Not Specified

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

Urban

Traffic Volume:

Time of Day:

All

If countermeasure is intersection-based

Intersection Type:

Not specified

Intersection Geometry:

3-leg

Traffic Control:

Signalized

Major Road Traffic Volume:

4800 to 30270 Annual Average Daily Traffic (AADT)

Minor Road Traffic Volume:

2550 to 25010 Annual Average Daily Traffic (AADT)

Development Details

Date Range of Data Used:

2003 to 2006

Municipality:

State:

Country:

Singapore

Type of Methodology Used:	7
Sample Size Used:	400 Crashes

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-21-2011
Comments:	Only motorcycle related crashes

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