



# CMF / CRF Details

CMF ID: 2957

**Convert major road of a signalized T intersection from two-way to one-way (motorcycle crashes)**

**Description: Convert the major road of a signalized T intersection from two-way to one-way (effect on motorcycle crashes)**

**Prior Condition: major road of T intersection has two-way operation**

**Category: Roadway**

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

Star Quality Rating:

4 Stars

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

## Crash Modification Factor (CMF)

Value:

0.4

Adjusted Standard Error:

Unadjusted Standard Error:

## Crash Reduction Factor (CRF)

Value:

60 (This value indicates a **decrease** 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

<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	400 Crashes

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

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