



## CMF / CRF Details

**CMF ID: 10985**

**Install raised median**

**Description:**

**Prior Condition: No median island**

**Category: Access management**

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

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 0.58

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.132

### Crash Reduction Factor (CRF)

**Value:** 42 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	13.2
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### Applicability

<b>Crash Type:</b>	All
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<b>Crash Severity:</b>	K (fatal),A (serious injury),B (minor injury),C (possible injury)
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<b>Roadway Types:</b>	All
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<b>Number of Lanes:</b>	2 - 5
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<b>Road Division Type:</b>	All
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<b>Speed Limit:</b>	
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<b>Area Type:</b>	All
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<b>Traffic Volume:</b>	
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<b>Time of Day:</b>	All
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### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
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<b>Intersection Geometry:</b>	3-leg,4-leg
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<b>Traffic Control:</b>	Other
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<b>Major Road Traffic Volume:</b>	4500 to 21784 Annual Average Daily Traffic (AADT)
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<b>Minor Road Traffic Volume:</b>	1600 to 14837 Annual Average Daily Traffic (AADT)
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### Development Details

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

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Aug-11-2021
<b>Comments:</b>	This CMF is for installing a raised median island on major road approaches. Intersections are a combination of signalized and un-signalized.

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