



## CMF / CRF Details

**CMF ID: 10861**

**Convert intersection to media U-turn (MUT) intersection**

**Description:**

**Prior Condition: Conventional Signalized Intersection**

**Category: Intersection geometry**

**Study: [Safety Evaluation of Median U-Turn Crossover-Based Intersections, Al-Omari et al., 2020](#)**

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 0.9361

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Crash Reduction Factor (CRF)

**Value:** 6.39 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:** Other

**Crash Severity:** All

**Roadway Types:** Not specified

**Number of Lanes:**

**Road Division Type:** Divided by Median

**Speed Limit:**

**Area Type:** Urban and suburban

**Traffic Volume:**

**Time of Day:** All

### *If countermeasure is intersection-based*

**Intersection Type:** Roadway/roadway (not interchange related)

**Intersection Geometry:** 4-leg

**Traffic Control:** Signalized

**Major Road Traffic Volume:** 25512 to 85076 Annual Average Daily Traffic (AADT)

**Minor Road Traffic Volume:** 246 to 37958 Annual Average Daily Traffic (AADT)

### Development Details

**Date Range of Data Used:** 2008 to 2017

**Municipality:**

**State:** MI, NC, OH

<b>Country:</b>	
<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>	Jul-01-2021
<b>Comments:</b>	This CMF is for Rear End Right Turn crashes. This CMF is for Type A MUT Intersection. A pictorial representation of Type A and Type B MUT Intersection is presented in Figure 2 in the paper.

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