



## CMF / CRF Details

**CMF ID: 2217**

**Change traffic signal spacing from X to Y signals per mile**

**Description:**

**Prior Condition:** *No Prior Condition(s)*

**Category:** Intersection traffic control

**Study:** [Correlating Access Management to Crash Rate, Severity, and Collision Type, Schultz et al., 2008](#)

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:**

$$e^{0.919(Y-X)}$$

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Crash Reduction Factor (CRF)

**Value:**

$$100(1 - e^{0.919(Y-X)})$$

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

All

**Crash Severity:**

All

**Roadway Types:**

Principal Arterial Other

**Number of Lanes:**

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Urban

**Traffic Volume:**

**Time of Day:**

*If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:**

**Traffic Control:**

**Major Road Traffic Volume:**

1390 to 51200

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:**

2002 to 2004

**Municipality:**

<b>State:</b>	UT
<b>Country:</b>	
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	525 Sites

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Dec-01-2009
<b>Comments:</b>	

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