



# CMF / CRF Details

**CMF ID: 5185**

**Modify access point density**

**Description:** Access point density refers to the number of access points per mile.

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

**Category:** Access management

**Study:** [Prediction of the Expected Safety Performance of Rural Two-Lane Highways, Harwood et al., 2000](#)

Star Quality Rating:	
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## Crash Modification Factor (CMF)

<b>Value:</b>	$CMF = \frac{0.322 + DD \times [0.05 - 0.005 \times \ln(AADT)]}{0.322 + 5 \times [0.05 - 0.005 \times \ln(AADT)]}$ <p>Where: AADT = average annual daily traffic volume of the roadway being evaluated; and DD = access point density measured in driveways per mile.</p>
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<b>Adjusted Standard Error:</b>	
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<b>Unadjusted Standard Error:</b>	
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## Crash Reduction Factor (CRF)

<b>Value:</b>	(This value indicates an <b>increase</b> in crashes)
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**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

All

**Crash Severity:**

All

**Roadway Types:**

Minor Arterial

**Number of Lanes:**

2

**Road Division Type:**

**Speed Limit:**

**Area Type:**

Rural

**Traffic Volume:**

**Time of Day:**

*If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:**

**Traffic Control:**

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:**

**Municipality:**

<b>State:</b>	
<b>Country:</b>	
<b>Type of Methodology Used:</b>	
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	
<b>Date Added to Clearinghouse:</b>	Dec-01-2009
<b>Comments:</b>	To determine the CMF for changing the condition, divide the "new" condition CMF by the "existing" condition CMF.

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