



## CMF / CRF Details

**CMF ID: 10079**

**Upgrade existing markings to wet-reflective pavement markings**

**Description:** This strategy involves upgrading existing markings from standard marking materials to wet-reflective markings applied as paint, tape, or thermoplastic material.

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

**Category:** Delineation

**Study:** [\*Safety Effects of Wet-Weather Pavement Markings, Park et al., 2019\*](#)

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 0.836

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.104

### Crash Reduction Factor (CRF)

**Value:** 16.4 (*This value indicates a **decrease** in crashes*)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	10.4
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### Applicability

<b>Crash Type:</b>	Dry weather
<b>Crash Severity:</b>	K (fatal),A (serious injury),B (minor injury),C (possible injury)
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Not specified
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	Night

### *If countermeasure is intersection-based*

<b>Intersection Type:</b>	
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	
<b>Major Road Traffic Volume:</b>	
<b>Minor Road Traffic Volume:</b>	

### Development Details

<b>Date Range of Data Used:</b>	2011 to 2017
<b>Municipality:</b>	Atlanta District
<b>State:</b>	TX

<b>Country:</b>	USA
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Mar-23-2020
<b>Comments:</b>	

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