



## CMF / CRF Details

**CMF ID: 10080**

**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:** 0.746

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.133

### Crash Reduction Factor (CRF)

**Value:** 25.4 (*This value indicates a **decrease** in crashes*)

**Adjusted Standard Error:**

<b>Unadjusted Standard Error:</b>	13.3
-----------------------------------	------

### Applicability

<b>Crash Type:</b>	Run off road,Wet road
<b>Crash Severity:</b>	All
<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>	

---

This site is funded by the U.S. Department of Transportation Federal Highway Administration and maintained by the University of North Carolina Highway Safety Research Center

*The information contained in the Crash Modification Factors (CMF) Clearinghouse is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in the CMF Clearinghouse. The information contained in the CMF Clearinghouse does not constitute a standard, specification, or regulation, nor is it a substitute for sound engineering judgment.*