

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
WET REFLECTIVE PAVEMENT MARKINGS

PMK:MKB

1 of 1

APPR:MWB:DBP:11-09-23

FHWA:APPR:11-20-23

Delete subsection 920.02.C on page 9-170 of the Standard Specifications for Construction in its entirety and replace it with the following:

- C. General Requirements for Wet Reflective Optics.** For surface applications or retracing over existing pavement markings select wet reflective optics from the Qualified Products List or a Department-approved alternative that meets or exceeds the retroreflectivity requirements specified in Table 920-3. When installing wet reflective pavement markings in a new recess, select wet reflective optics from one of the below products.

3M, Connected Roads All Weather Elements Series 50/51

3M, Reflective Elements Series All Weather 50/51

Prior to application, submit certification from the wet reflective optics manufacturer that when applied according to the manufacturer's application recommendations, the wet reflective optics meet the requirements in Table 920-3.

**Table 920-3:
General Wet Reflective Requirements: Average Initial
Retroreflectivity at 30-meter Geometry in mcd/lux/m²**

Test Method	Color	
	White	Yellow
Dry (<i>ASTM E1710</i>) for cold plastic, polyurea, waterborne, regular dry, and sprayable thermoplastic	700	500
Dry (<i>ASTM E1710</i>) for all other materials	550	350
Wet Recovery for all materials (<i>ASTM E2177</i>)	300	225
Wet Continuous for all materials (<i>ASTM E2832</i>)	250	200

Initial retroreflectivity is defined as readings taken no earlier than 7 days and no later than 30 days after material placement.