



Signed by:  
*Matthew V. Springer, PE*  
BC60F6E8B584403...  
04-21-26

**GREEN BIKE LANE PAVEMENT MARKINGS:**

(1-24-24)(Rev. 4-21-26)

**Description**

Apply Methyl Methacrylate (MMA) pavement marking material to create specialized bike lane markings. Bike lane markings shall only be used on travel lanes reserved exclusively for bicycles.

**Materials**

Use MMA pavement marking material for the marking of bike lanes that are listed on the NCDOT APL. All materials used for bike lane pavement markings shall meet the applicable requirements of Sections 1087 and 1205 of the *Standard Specifications*. Methyl Methacrylate (MMA) thickness shall be a minimum of 50 mils. Bike lane pavement markings shall be green in color. Furnish technical data regarding material type and application rate from manufacturer to the Engineer for approval prior to starting work.

Additional MMA material requirements can be found in the MMA pavement marking special provision elsewhere in the contract.

**Material Certification**

Green-colored pavement markings are required to be skid resistant.

Furnish the following pavement marking material certifications in accordance with Article 106-3 of the *Standard Specifications*.

MMA	Type 2 Material Certification and Type 3 Material Certification
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**Application**

Material preparation and application shall be in accordance with the manufacturer's specifications. Ensure the pavement surface is free of dirt, grease, dust, oil, moisture, mud, grass, or any material that would prevent adhesion to the pavement. Make sure pavement markings are applied in a

uniform thickness.

Apply pavement markings only when ambient air temperature and pavement surface temperature is 40°F or higher.

Bike Lane Pavement Markings color shall fall within these chromaticity coordinates:

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.230	0.754	0.266	0.500	0.367	0.500	0.444	0.555

Nighttime Bike Lane Markings color shall only be these chromaticity coordinates:

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.230	0.754	0.336	0.540	0.450	0.500	0.479	0.520

Additional MMA requirements for application and additional construction methods can be found in the MMA pavement marking special provision elsewhere in the contract.

### **Measurement and Payment**

*Methyl Methacrylate Pavement Marking Line, \_\_ " , \_\_mils* will be measured and paid in accordance with the MMA Pavement Marking special provision found elsewhere in the contract.

*Methyl Methacrylate Pavement Marking, \_\_mils* will be measured and paid in accordance with the MMA Pavement Marking special provision found elsewhere in the contract.

*Methyl Methacrylate Pavement Marking Characters, \_\_mils and Methyl Methacrylate Pavement Marking Symbols, \_\_mils* will be measured and paid in accordance with the MMA Pavement Marking special provision found elsewhere in the contract.