

ITEM 685.16XX--25 - HIGHLY REFLECTORIZED EPOXY PAVEMENT STRIPES, 6 INCH WIDTH

1. DESCRIPTION:

- 1.01 Under this work the Contractor shall furnish and apply highly reflectORIZED epoxy pavement markings in accordance with these Specifications, the Contract Documents, the MUTCD with the NYS Supplement or as ordered by the Engineer. Unless otherwise indicated, payment will be for lengths of six (6) inch wide stripes.
- 1.02 All provisions of Section 685 – Epoxy ReflectORIZED Pavement Markings shall apply **except** as modified below:

2. MATERIALS:

- 2.01 All provisions of Section 727-03 – Epoxy Paint, in the NYSDOT Standard Specifications of May 1, 2008 shall apply for the epoxy paint used for these stripes.
- 2.02 The beads applied to the epoxy paint shall be a combination of standard glass beads and microcrystalline ceramic beads. The ceramic beads shall have a minimum index of refraction of 2.30 when tested using the liquid oil immersion method. The glass beads shall be clear. The ceramic beads shall be either clear or yellow tinted as required. For white stripes, 3M Series 70E ceramic beads or approved equal shall be used. For yellow stripes, 3M Series 71E ceramic beads or approved equal shall be used.

3. CONSTRUCTION DETAILS:

- 3.01 The epoxy marking material shall be hot applied by spray methods onto clean bituminous and Portland Cement Concrete pavement surfaces at the thickness and width shown in the Contract Documents and/or as indicated by the Pay Item Number. The beads described above shall be applied to the hot epoxy paint using a double drop system in the amount per unit length of stripe as recommended by the bead manufacturer. The cured epoxy marking shall be an adherent, highly reflectORIZED stripe.
- 3.02 The epoxy marking material shall be applied to concrete and aged asphalt in a wet thickness of 15± 1 mil and at a 20± 1 mill thickness on new asphalt cement.

4. METHOD OF MEASUREMENT:

- 4.01 Pavement striping will be measured in linear feet along the centerline of the pavement stripe, and will be based on a six (6) inch wide stripe. Measurement for striping with a width greater or lesser than the basic six (6) inches, as shown on the plans or as directed by the Engineer, will be made by calculating payment length using the following method:

$$\frac{\text{Plan Width for Striping (inches)} \times \text{Linear Feet Measured}}{6 \text{ inches}}$$

5. BASIS OF PAYMENT:

- 5.01 Pavement striping will be paid as the number of linear feet of highly reflectORIZED epoxy stripes applied to the pavement.

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5. BASIS OF PAYMENT: (cont'd)

5.02 Payment will be made under:

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>PAYUNIT</u>
685.1601--25	White Highly ReflectORIZED Epoxy Pavement Stripes – 6” x 15 Mils	LF
685.1602--25	Yellow Highly ReflectORIZED Epoxy Pavement Stripes – 6” x 15 Mils	LF
685.1603--25	White Highly ReflectORIZED Epoxy Pavement Stripes – 6” x 20 Mils	LF
685.1604--25	Yellow Highly ReflectORIZED Epoxy Pavement Stripes – 6” x 20 Mils	LF