**REVISION OF SECTIONS 106 AND 627**

**EPOXY PAVEMENT MARKING ACCEPTANCE AND PAY FACTORS**

Sections 106 and 627 of the Standard Specifications are hereby revised for this project as follows:

Subsection 106.03 shall include the following:

The Contractor shall provide retro-reflectivity readings for each 1 mile of Epoxy Pavement Marking line placed or fraction thereof. Retro-reflectivity readings shall be taken using an available industry-accepted retro-reflectometer and it shall be calibrated each day testing occurs. The Engineer will determine a random testing location for each 1 mile section of line placed or fraction thereof. Each test location shall represent that 1 mile of line placed or fraction thereof. At each random testing location 10 retro-reflectivity readings will be taken with a 500 foot section of the continuous line. Those 10 readings will be averaged and that average value will represent the retro-reflectivity of that 1 mile section or fraction thereof.

The retro-reflectivity readings shall be taken in the presence of the Engineer no sooner than three days and no later than 21 days after the marking is tack free. Traffic control required for retro-reflectivity readings shall be included in the cost of work.

Prior to taking retro-reflectivity readings, the Contractor shall remove at the retro-reflectivity reading locations any excess beads placed during marking application.

Subsection 627.05 shall include the following:

Epoxy pavement marking and beads shall be applied within the following limits:

**Application Rate or Coverage
Per Gallon of Epoxy Pavement Marking**

|  |  |  |
| --- | --- | --- |
|  | **Minimum** | **Maximum** |
| 18 mil marking | 85 sq. ft. | 90 sq. ft. |
| Beads | 22 lbs. |  |

The pay factor for Epoxy Pavement Marking which is allowed to remain in place at a reduced price shall be according to the following table and shall be applied to the unit bid price for Item 627, Modified Epoxy Pavement Marking:

|  |  |  |
| --- | --- | --- |
| **Color** | **Retro-reflectivity Reading (R) in a 1-mile section (**mcd/m2/lux**)** | **Pay Factor (Percent)** **for the entire 1-mile section** |
| White | R > 375 | 100 |
| 350 ≤ R < 375 | 85 |
| 325 ≤ R < 350 | 75 |
| 300 ≤ R < 325 | 60 |
| 275 ≤ R < 300 | 50 |
|  R < 275 | Remove and replace |
| Yellow | R > 275 | 100 |
| 250 ≤ R < 275 | 85 |
| 225 ≤ R < 250 | 75 |
| 200 ≤ R < 225 | 60 |
| 175 ≤ R < 200 | 50 |
| R < 175 | Remove and replace |