

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
SPRAY THERMOPLASTIC MARKING MATERIAL

T&S:BRZ

1 of 2

07-05-01

C&T:APPR:JAR:JKG:07-12-01

a. Description.- This work shall be in conformance with Section 811 of the 1996 Standard Specifications for Construction and this special provision for the application of spray thermoplastic at locations shown on plans.

b. Materials.-

Marking Material - The marking material shall be selected from the Department Qualified Products List.

Glass Beads - Glass Beads intermixed with Spray Thermoplastic are part of the Pavement Marking System and are supplied by the manufacturer. Glass beads used as part of the intermix or drop on system shall, as a minimum meet the requirements of Section 811.. Changes in bead gradation or increases in percentage of roundness may be allowed if recommended in writing by the manufacturer.

Material Safety - The Contractor shall provide the Engineer with Material Safety Data Sheets (MSDS) for all materials and supplies used for this contract. The Contractor shall properly dispose of unused material and containers in accordance with the Federal Resource Conservation Recovery Act (RCRA) of 1976 and the Michigan Hazardous Waste Management Act (ACT 64).

The Department will not provide buildings or space to store Contractor's materials and/or equipment.

c. Construction.- Sprayable Thermoplastic material and glass beads shall be sprayed uniformly at thickness of no less than 1016 microns.

d. Application Limitations.- All pavement shall be free of all excess moisture, since subsurface moisture can be present in amounts sufficient to affect proper bonding of the Spray Thermoplastic material. The minimum ambient air and surface temperature shall be 10°C and rising at the start of marking operations. If work is started and the air temperature falls below 10°C, and continual cooling is indicated, all work shall be stopped, as directed by the Engineer.

The Spray Thermoplastic material shall be heated to, and applied at, the temperature range recommended by the manufacturer.

e. Measurement and Payment.- The completed work shall be measured in meters and paid for at the contract unit prices for the following contract items (pay items). The skips in dashed lines are not included in the measurements.

Contract Item (Pay Item)

Pay Unit

Pavt Mrkg, Sprayable Thermoplastic_____ mm, (color). meter

f. Delayed Acceptance of Hot Applied Spray Thermoplastic Material.- Delayed acceptance establishes a period of time during which the Contractor must replace markings that have failed. Final acceptance of completed pavement marking work will be delayed 60 days or until November 1, whichever comes first. During this period, inspections of the markings placed in accordance with the contract will be conducted at the Department's discretion. Markings with less than 90 percent of the original markings in place shall be replaced immediately at the Contractor's expense. Pavement markings that have been damaged by snow plowing operations will not be considered as having failed.

If the Contractor wishes to have the project accepted for final payment prior to the end of this 60 day period, the Contractor must, when the balance of the contract work has been satisfactorily completed, furnish the Department with a maintenance bond equal in value to 90 percent of the value of the pavement marking work performed.