

SECTION 629 - PAVEMENT MARKINGS

Make the following amendments to said Section:

(I) Amend **Subsection 629.03(B) – Temporary Pavement Markings** by revising the third paragraph from line 62 to 63 to read:

“Maintain and replace temporary pavement markings, flexible delineators, and barricades.”

(II) Amend **Table 629.03 – 1 – Temporary Pavement Markings** to read as follows:

“TABLE 629.03-1 TEMPORARY PAVEMENT MARKINGS	
TYPE	PAVEMENT MARKINGS
Passing Permitted - Both Sides	Single 4-inch yellow stripe 5 feet in length spaced 20 feet on center with Type D markers spaced 40 feet on center and located on center of 5-foot length of stripe.
Passing Prohibited - Both Sides	Double solid 4-inch yellow stripes with Type D markers placed 20 feet on center on one of 4-inch yellow stripes selected by the Engineer.
Passing Permitted - One Side Only	Single continuous 4-inch yellow stripe with Type D markers placed on stripe 20 feet on center on no-passing side and single 4-inch yellow stripes 5 feet in length spaced 20 feet on center on passing side.
Lane Lines - Lane Changing Permitted	Single 4-inch yellow or white stripe 5 feet in length spaced 20 feet on center with Type C or Type D markers spaced 40 feet on center.
Lane Lines - Lane Changing Prohibited	Double solid 4-inch white stripes with Type C markers placed 20 feet on center on one of the 4-inch white stripes selected by the Engineer.
Crosswalk	Two 12-inch white transverse lines spaced 8 feet on center or as ordered by the Engineer.
Stop Line	Single 12-inch white transverse line.
Note: Paint may be used for temporary markings in areas where final paving is not complete.”	

(III) Amend **Subsection 629.03(C) – Permanent Pavement Markings** by adding the following after line 267:

19 **“(5) Thermoplastic Hot Spray Pavement Marking.**
20

21 **(a) Equipment.** Use equipment constructed for preparation
22 and application of thermoplastic hot spray pavement marking.
23

24 Equipment shall provide continuous mixing and agitation of
25 material. Conveying parts of equipment shall be constructed to
26 prevent accumulation and clogging.
27

28 Use applicator capable of containing minimum of 125
29 pounds of molten material.
30

31 Provide kettle for melting and heating composition. Equip
32 kettle with automatic thermostat control device so that heating can
33 be done by controlled heat transfer liquid rather than direct flame.
34

35 Equip and arrange applicator and kettle in accordance with
36 National Fire Underwriters requirements.
37

38 Mixing and conveying parts, including the spray gun, shall
39 maintain material at molten temperature.
40

41 Apply beads to entire surface of completed stripe by
42 automatic bead dispenser attached to hot spray applicator.
43

44 Equip bead dispenser with automatic cutoff control
45 synchronized with cutoff of thermoplastic material.
46

47 Use equipment that provides for varying spray widths to
48 produce varying widths of traffic markings.
49

50 Use mobile and maneuverable applicator that is capable of
51 following straight lines and making curves in true arcs.
52

53 **(b) Application.** Clean off dirt, debris, blaze, paint, tape, and
54 grease. Apply thermoplastic hot spray pavement marking only
55 when pavement surface is dry.
56

57 Use equipment that can apply material in variable widths
58 from 2 inches to 12 inches. Apply material for full width of stripe
59 in one application or pass.
60

61 On concrete pavements, on HMA pavements more than
62 seven days old, and on HMA pavements paved within seven days
63 containing less than 6 percent bituminous asphalt, pre-stripe
64 application area with binder material, primer, or prime seal coat
65 recommended by pavement marker manufacturer.

Line thickness, as viewed from lateral cross section, shall measure not less than 3/32 inch at edges, and not less than 1/8 inch in center.

Where required by the contract documents to apply new markings over existing markings, bond new line over old line so that no splitting or separation takes place during its useful life.

Provide finished lines with well-defined edges, free of waviness."

(IV) Amend **629.04 – Measurement** by revising lines 292 to 294 to read as follows:

"629.04 Measurement.

(A) The Engineer will measure thermoplastic per linear foot in accordance with the contract documents. The longitudinal pavement markings will be measured per linear foot as a single stripe for the width specified in the contract and in the proposal.

The Engineer will not measure temporary pavement markings including flexible delineator posts with reflector makers or Type I Barricades and temporary signs installed for the longitudinal guidance of public traffic over reconstructed areas, cold planed surfaces, newly paved surfaces or other unmarked or scarified areas for payment.

The Contractor shall consider the work required for the removal of pavement markings incidental to the various contract items, except as provided in the proposal or elsewhere in the contract. If the contract stipulates that the Engineer will make payment for the removal of pavement markings, the Engineer will measure the removal of pavement markings.

(B) The Engineer will measure the pavement markers per each for the types shown in the proposal.

(C) The Engineer will measure pavement arrows and words per each in accordance with the contract documents."

(V) Amend **629.05 – Payment** by revising lines 296 to 330 to read as follows:

"629.05 Payment.

(A) The Engineer will pay for thermoplastic and preformed pavement marking tape at the contract price per linear foot according to the contract, complete in place, including primers.

The contract unit price paid shall be full compensation for furnishing labors, materials, tools, equipment, and incidentals and for doing the work involved in furnishing and installing pavement markings complete in place according to the contract.

The Engineer will not pay for the temporary pavement markings including flexible delineator posts with reflector markers or Type I Barricades and temporary signs installed for the longitudinal guidance of public traffic over reconstructed areas, paved surfaces or other unmarked or scarified areas for payment if not shown in the proposal separately. The Engineer will consider them incidental to the various contract items.

(B) The Engineer will pay for the various types of pavement markers at the contract price per each according to the contract, complete in place, including adhesives.

(C) The Engineer will pay for pavement arrows and words at the contract price per each according to the contract.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
6-Inch Pavement Striping (Thermoplastic Extrusion)	Linear Foot
Pavement Arrow (Thermoplastic Extrusion)	Each
Pavement Word (Thermoplastic Extrusion)	Each
Type C Pavement Marker	Each"

END OF SECTION 629