

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division VII: Traffic Control Facilities
Title: Thermoplastic Pavement Markings

Route
Direction
Lane
Mileposts
Traffic Control Coordinator
Offset

Attribute Numbers	Compliance	Narratives	References
0.		Minimum of 2 weeks prior: a pre-activity meeting is held with the Contractor, Contractor's surveyors, pavement marking subcontractor, and the Engineer to discuss survey control and layout for the striping.	Construction Bulletin 11-07 Construction Bulletin 15-01 Standard Specifications 925-3.01
1.		Thermoplastic: The inspector has checked that materials are the same as the approved Certificates of Compliance and is documented in a Daily Diary.	Construction Manual 105.11 Standard Specifications 704-3.02
2.		On projects with No Passing Zones: The contractor has coordinated the survey layout with ADOT's No Passing Zone Crew (phone number on project plans) at least 14 calendar days before placement of pavement markings.	Standard Specifications 925-3.01
3.		Survey control, as noted in the approved pavement-marking plan, was provided for the pavement-marking subcontractor.	Standard Specifications 925-3.01
4.		Points are set by instrument survey at intervals not greater than 50 feet for each traffic lane, at the beginning and ending of each yellow stripe, and at the beginning and ending of gores and tapers.	Standard Specifications 925-3.01

5.		Unless otherwise noted on the plans, the final striping is applied not less than 30 calendar days after the placement of the initial painted striping or as specified by the Engineer or project plans.	Plan Striping Notes
6.		When striping on PCCP (Portland Cement Concrete Pavement): Any curing compound present is removed by means of a high-pressure water jet or sandblasting at least one inch beyond the width, followed by sweeping and high-pressure air spray.	Standard Specifications 704-3.02 (D)
7.		The width of the striping is in accordance with the striping plan. (When plan stripe width is six (6) inches, actual width is 6 to 6 ½ inches; when plan stripe width is 8 inches, width is 8 to 9 inches; when plan stripe width is over 8 inches, width is plan width ± ONE inch).	Standard Specifications 704-3.02 (G)
8.		The final striping shall be 90 mil (0.090 inch) thick alkyd extruded thermoplastic reflectorized striping placed over the initial striping 30 - 60 calendar days after initial striping, as directed by the engineer.	Standard Specifications 704-3.02 (G)
9.		For lane lines (broken white lines) and gore lines, final striping shall be 3M stamark high performance tape series 380 or 390 applied in accordance with special provisions for item 7050047 - pavement markings, preformed, patterned, white stripe. The Contractor shall groove the pavement prior to the application of the tape. All other markings shall be applied at the same time.	Special Provisions 705-3
10.		The final stop bars and freeway pavement arrows shall be white 90 mil (0.090 inch) thick alkyd extruded thermoplastic reflectorized markings.	Standard Specifications 704-3.02 (G)
11.		Glass beads are double dropped and the two types of beads are stored in separate hoppers.	Special Provisions 704-3.02 (G)
12.		The skips and spacing are the correct length (the gap length is within six inches for a 40-foot cycle).	Standard Specifications 708-3.02
13.		Pre-formed Pavement Markings are applied when the roadway surface is dry, clean, and the surface temperature is not less than 60 degree F before applying.	Standard Specifications 705-3
14.		Preformed Pavement Markings will not be applied over other markings or old paint unless specified in the project plans or directed by the Engineer.	Standard Specifications 705-3
15.		Preformed Pavement Markings: Are butt splices only and not overlap the marking material. All markings shall be thoroughly tamped with approved mechanical tampers.	Standard Specifications 705-3
16.		Preformed pavement marks: If required, a groove is cut 100 mils ± 10 mils deep (the thickness of 2 dimes = 106 mils), one-inch wider than the tape used.	Special Provisions 705-3
17.		Preformed pavement tape is placed per the manufacturer's guidelines.	Special Provisions 705-3
18.		Samples were taken for non-reflective markers (one per lot / type), and for reflective markers. (three markers each lot).	Material Testing Manual Series 900 Appendix C Standard Specifications 705-3

19.		Recessed pavement markers are placed in a five-foot grooved channel: one-foot flat with a two-foot ramp at each end.	Signing and Marking Standard Drawings M-18
20.		Raised pavement markers are applied on a surface free of dirt, existing lines, curing compound, grease, oil, moisture, loose or unsound layers and any other material, which could adversely affect the bond of the adhesive roadway surface.	Standard Specifications 706-3
21.		Raised pavement markers are applied on roadway surface with the air temperature a minimum of 40 degrees F and rising (weather not foggy or rainy).	Standard Specifications 706-3
22.		Raised pavement markers are applied on a line approved by the Engineer and in such manner that the reflective face of the markers is perpendicular to a line parallel to the roadway centerline.	Standard Specifications 706-3
23.		No pavement markers were installed over longitudinal or transverse joints of the pavement surface.	Standard Specifications 704-3
24.		The correct types of markers are applied.	Plan Striping Notes
25.		Pavement markers and markings are placed in accordance with the project plans.	Plan Striping Notes
26.		For thermoplastic: Approved glass beads are used for all thermoplastic striping.	Materials Testing Manual Series 900 Appendix C Standard Specifications 704-3.02 (B)
27.		Ribbon-gun application for thermoplastic is applied when the surface is dry and the wind chill factor is 65 degrees F and rising. For other thermoplastic application procedures, the roadway surface is dry and 55 degrees F and rising. The temperature measurements shall be recorded in a logbook and provided to the Engineer.	Standard Specifications 704-3.02 (F)
28.		Ribbon-gun application for thermoplastic: For elevation changes greater than 1,000 feet, temperature readings at the highest elevation will govern. The temperature measurements shall be recorded in a logbook and provided to the Engineer.	Standard Specifications 704-3.02 (F)
29.		The PCCP surface is cleaned of curing compound and debris, and is dry before the striping is applied. (curing compound is removed at least TWO inches beyond the entire perimeter of each marking).	Standard Specifications 704-3.02 (D)
30.		On both new and old PCCP: If indicated on the project plans or by thermoplastic manufacturer, a primer-sealer has been applied to the PCCP prior to placement of thermoplastic pavement markings.	Standard Specifications 704-3.02 (E)
31.		The correct type and color pavement markers and markings are used and are placed in the correct orientation.	Plan Striping Notes
32.		When Double drop method is used, Type I or Type III beads are not allowed in the same hopper.	Special Provisions 704-3.02 (G)

33.		The Resident Engineer has verified that pavement markings meet the minimum thickness as specified in Standard Specification Section 704-3.02(G) and are documented in the Daily Diary.	Construction Bulletin 15-01 Construction Manual 105.11 Standard Specifications 704-3.02 (G)
34.		The Org is responsible for testing retro-reflectance of striping within thirty days of application, documenting all readings by offset, station and lane in Daily Diaries.	Construction Bulletin 15-01 Construction Manual 105.11
35.		Thermoplastic sampling is documented with lane, direction, offset, and station. Sampling is spot checked a minimum of four per shift/day of work. Samples were checked for thickness with a digital caliper. The samples are saved in bags (without the plate) for further Central Lab testing of material properties' compliance. Include all thermoplastic from the plate and label accordingly.	Construction Bulletin 15-01
36.		Traffic Operation Section was provided reflectance readings to determine if a reapplication is required.	Construction Bulletin 14-03
37.		When required: Word Marking, Pavement Letters, Pavement Numbers, Pavement Marking Symbols, and Freeway Pavement Arrows are the correct height and width.	Signing and Marking Standard Drawings M-10 Signing and Marking Standard Drawings M-11 Signing and Marking Standard Drawings M-12 Signing and Marking Standard Drawings M-6 Signing and Marking Standard Drawings M-7 Signing and Marking Standard Drawings M-8 Signing and Marking Standard Drawings M-9
38.		Payments were documented in daily diary as work completed daily.	Construction Manual 105.11
39.		Quantlist Minimum Frequency is being followed, One per week per color	Construction Bulletin 07-01