Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division VII: Traffic Control Facilities
Title: Dual Component Pavement Markings

Route
Direction
Station or Milepost
Traffic Control Coordinator
Offset
Elevation

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.		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.		Survey control, as noted in the approved pavement-marking plan, was provided for the pavement-marking subcontractor.	Standard Specifications 925-3.01
3.		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.	MUTCD 6F.77 Standard Specifications 701-3.06
4.		Painting over existing markings with paint or asphalt is not permitted for stripe obliteration.	Standard Specifications 701-3.06
5.		Unless otherwise noted on the plans, the initial striping is placed at the completion of each day's paving.	Plan Striping Notes

6.		On the final lift / friction course, initial striping is placed in the same location as the final striping.	Plan Striping Notes
7.		The skips and spacing are the correct length (the gap length is within six inches per 40-foot cycle).	Standard Specifications 708-3.02
8.		Unless otherwise noted on the plans, the final striping is applied not sooner than 30 calendar days after the placement of the initial painted striping or as specified by the Engineer or project plans.	Construction Bulletin 05-02 Plan Striping Notes
9.		Dual Component Pavement Marking materials are used within one year from the date of manufacture. The month and year of manufacture is clearly marked on all containers. Product MSDS information is attached to material containers. Documented in the Material Lab Coordinator Files.	Standard Specifications 709-2.02
10.		Dual Component Pavement Marking equipment is provided with a metering device to register the accumulated installed pavement marking quantities for each sprayer, each day.	Standard Specifications 709-3.01
11.		Dual Component Pavement Markings equipment is calibrated and application of materials is periodically spotchecked.	Standard Specifications 709-3.02 (F)(1)
12.		When Double drop method is used, Type "A" and Type "B" beads are not allowed in the same hopper.	Standard Specifications 709-3.01
13.		When applied on new PCCP (Portland Cement Concrete Pavement), all 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 709-3.02 (D)
14.		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 709-3.02 (G)(2)
15.		The skips and spacing are the correct length.	Plan Striping Notes
16.		Dual Component Pavement Markings are placed as shown on the plans. Longitudinal stripes are not placed on parallel construction / expansion joints. Stripes should be offset a minimum of ONE inch from joints.	Standard Specifications 709-3.02 (A)
17.		Dual Component Pavement Markings are applied to new asphaltic concrete pavements a minimum of 30 days after the pavement has been placed.	Standard Specifications 709-3.02 (E)
18.		The roadway surface temperature at the time of application is a minimum of 40 degrees F and rising; wind chill factor is not below 35 degrees F, on dry pavement with no standing water, significant surface dampness or dew.	Standard Specifications 709-3.02 (E)
19.		The pavement surface temperatures will be measured each half hour prior to the start of striping and, if critical, every ONE to TWO hours afterward (documented in the Daily Diary).	Construction Manual 105.11 Standard Specifications 709-3.02 (E)

20.		The pavement surface temperature shall be measured with a standard surface temperature thermometer or an infrared non-contact thermometer. Temperature readings are at the highest elevation.	Standard Specifications 709-3.02 (E)
21.		Prior to the start of all marking application operations, the film thickness, width and bead application rates are calibrated in the presence of the Engineer.	Standard Specifications 709-3.02(F)(1)
22.		Both the Contractor and Engineer make spot checks of the applied wet film thickness throughout the day. (Random spot checks of the paint thickness will also be made to ensure conformance with the required criteria.)	Standard Specifications 709-3.02 (F)(1)
23.		The contractor provides two sample plates (4 inch by 12 inches) from the test strip. The plates indicate date, project number, project name, thickness, and bead application rate and contractor name on the back. Plates are tested per Subsection 709-2.02(J). All calibration activities are done in the presence of the Engineer.	Standard Specifications 709-2.02(J) Standard Specifications 709-3.02 (F)(2)
24.		Markings on PCCP placed at elevations less than 4,000 feet have a minimum thickness of 0.025 inches, with bead application at the rate of 9 pounds of Type “A” glass beads per gallon of paint, followed immediately with 9 pounds of Type "B" glass beads per gallon of paint.	Standard Specifications 709-3.02 (G)(1)
25.		Markings on PCCP placed at elevations equal to or above 4,000 feet have a minimum thickness of 0.025 inch with a bead application rate of 9 pounds of Type A glass beads per gallon of paint, followed immediately with 24 pounds of Type "B" glass beads per gallon of paint.	Standard Specifications 709-3.02 (G)(1)
26.		The Org is responsible for testing retro-reflectance of striping, documenting all readings by offset, station and lane in Daily Diaries.	Construction Manual 105.11
27.		Traffic Operation Section was provided reflectance readings to determine if a reapplication is required.	Construction Bulletin 11-03
28.		Samples were taken for non-reflective markers (one per lot or type), and for reflective markers (three markers each lot).	Material Testing Manual Series 900 Appendix C Standard Specifications 706-2.01
29.		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
30.		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
31.		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
32.		No pavement markers were installed over longitudinal or transverse joints of the pavement surface.	Standard Specifications 706-3

33.		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
34.		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
35.		Pre-formed 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
36.		Pre-formed Pavement Markings: Only butt splices are used and do not overlap the marking material. All markings shall be thoroughly tamped with approved mechanical tampers.	Standard Specifications 705-3
37.		Preformed pavement marks: If required, a grove 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
38.		Preformed pavement tape is placed per the manufacturer's guidelines.	Special Provisions 705-3
39.		The correct types of markers are applied.	Plan Striping Notes
40.		Pavement markers and markings are placed in accordance with the project plans and / or Special Provisions.	Plan Striping Notes
41.		Pavement markings are the correct thickness (If no sample is taken, mark No).	Special Provisions 704-3.02 (G)
42.		When required: Word Marking, Pavement Letters, Pavement Numbers, Pavement Marking Symbols, and Freeway Pavement Arrows are the correct height and width.	Plan Striping Notes 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
43.		Measurements for Payment are documented daily in Diaries.	Construction Manual 105.11
44.		Quantlist Minimum Frequency is being followed, One on the first application and Color; then once per week, per color.	Construction Bulletin 07-01