

7100000-REVISED - PAINTED PAVEMENT MARKINGS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

D4 Construction

Comments: (2-9-15)

(Katie Kehres, Construction Engineer, 772-429-4889, Katherine.Kehres@dot.state.fl.us)

710-5 – “stripes” was replaced with “pacement”, which should state “pavement”

Response: Correction made.

(Jose Kandarappallil, Project Oversight I D4 - Treasure Coast Operations, office: 772-429-4936, Kandarappallil.Jose@dot.state.fl.us)

1) I see that application of Durable paint shown in addition to standard paint. Please advise me the application location for durable paint. Is it to be applied over the standard paint?

Response: Durable paint is currently only intended for use as a refurbishment marking as determined by the District Maintenance Engineer.

No change required.

2) 710-4.11 Final Surface: “When permanent pavement markings (thermoplastic, tape, etc.) are placed on newly constructed asphalt, painted pavement markings (final surface) will include one application of standard painted pavement markings and one application of retroreflective pavement markers applied to the final surface; otherwise, painted pavement markings (final surface) will include two applications of standard painted pavement markings and one application of retro reflective pavement markers applied to the final surface. Wait at least 14 days after the first application to apply the second application of paint—“Does the underlined portion mean one application of standard paint and one application of durable paint?”

Response: No. As the paragraph reads one application of standard paint, and two applications of standard paint.

No changes made.

(ChloAnn Lawrence, 772-429-4866, Chloann.Lawrence@dot.state.fl.us)

I can see that the spec is trying to say place two applications of paint 14 days apart if there is no Thermo. Place one application of paint is there will be thermoplastic striping. It seems easy for a contractor to bid this incorrectly as it's placing responsibility on them to check for thermo in the contract then bid appropriately. If it is paid by measurement and not Lump sum this might work as written, provided designer remembers to double quantity for two applications of paint.

Response: It is not hard to look at the pavement marking bid items to determine if permanent markings are included in the contract. Yes; it is intended for the Contractor to bid it accordingly.

No change made.

Comments: (2-13-15)

1. 710-4.1 General, it is suggested to add at the end before the last line the following, “Recap deficient thickness with another coat if approved by the Engineer.” (Jose Kandarappallil, P.E. Project Oversight I office: 772-429-4936; Cell : 772-519-2348, Kandarappallil.Jose@dot.state.fl.us)

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Response: Thickness is not a performance measure of the Specifications. The performance measure is retro-reflectivity. If the retro-reflectivity falls below 150 mcd, the Contractor is responsible for applying an addition application of paint.

No change made.

2. Dew Point within 50 degrees seems rather extreme. Curing times are affected when the dew point is close to or equal to the ambient air temperature. A dew point within 5 degrees (either above or below) the ambient air temperature will adversely affect curing times. (Brian Hermany, Plan Review Coordinator West Palm Beach Operations Center, 561-370-1140, Brian.Hermany@dot.state.fl.us)

Response: This was a typographical error, it should have been 5°.

Change made.

3. 710-4.1 Need to state an approved method for removal of pavement markings. (Deborah Ihsan P.E. Assistant District Construction Engineer 954-777-4387 Deborah.ihsan@dot.state.fl.us)

Response: We are not dictating means and methods for Contractor.

No change made.

4. 710-4.1.1 Recommend revising the first sentence/paragraph for clarity such that it states, “When permanent pavement markings are included in the contract plans, such as thermoplastic, tape, etc., the painted pavement markings (final surface) will include only one application of standard paint and one application of retroreflective pavement markers applied to the final newly constructed asphalt surface prior to the final permanent markings. If no permanent pavement markings, such as thermoplastic, tape, etc. are included in the contract plans, the painted pavement markings (final surface) will include two applications of the standard paint and one application of retroreflective pavement markings applied to the final surface. ((Jose Kandarappallil, P.E. Project Oversight I office: 772-429-4936; Cell : 772-519-2348, Kandarappallil.Jose@dot.state.fl.us)

Response: Agree.

Change made.

5. 710-4.3- I would change the 6 months to 180 days. This will match the other specifications.

Deborah Ihsan P.E. Assistant District Construction Engineer 954-777-4387

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Response: Agree.

Change made.

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Comments: (2-12-15)

From: 710-8 Corrections for Deficiencies to Applied Painted Pavement Markings. Reapply a...
To: 710-8 Corrections for Deficiencies to Applied Painted Pavement Markings. Contractor to reapply a...

Response: It is understood that this direction is to the Contractor. Section 1 of the Specifications defines how Division II language is to be written. Please see excerpt below:

DIVISION I
General Requirements and Covenants

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SECTION 1
DEFINITIONS AND TERMS

1-1 General

- These Specifications are written to the bidder, prior to award of the Contract, and to the Contractor. Within Divisions I and II of the specifications, sentences that direct the Contractor to perform work are written in the active voice imperative mood. These directions to the Contractor are written as commands. In the imperative mood, the subject "the bidder" or "the Contractor" is understood.
- All other requirements to be performed by others, with the exception of the Method of Measurement and the Basis of Payment Articles, have been written in the active voice, but not in the imperative mood. Sentences written in the active voice identify the party responsible for performing the action. For example, "The Engineer will determine the density of the compacted material." Certain requirements of the Contractor may also be written in the active voice, rather than active voice imperative mood.
- Division III of the Specifications (Materials) is written in the passive voice writing style.

No changes made.
