

COMMENTS RECEIVED FROM INDUSTRY REVIEW

Alan L. Lafferty

Thank you for the opportunity of commenting on the subject specifications. GulfLine corporation is dedicated to providing durable high performance pavement markings as well as technical assistance to the State of Florida. We commend the Departments effort in raising the bar for traffic marking materials and trust our suggestions will be considered to ensure the bar being raised for wet weather traffic stripes as well.

It is not in the best interest of the Department to lump all traffic marking materials together. Each material has its own performance level and composition requirements. Current Section 702 is performance related and the proposed revisions to this section and 971 will limit its performance.

Section 971-9.2 – What is the reason for revising the binder contents without any documentation of performance? GulfLine has a track record with these binder contents with success. The binder contents are dependent upon satisfactory results. This is also the only pavement marking section with allowed lead and heavy metals.

Section 971-9.3 – GulfLine uses a double drop system. This section limits inverted profile to a single drop of type I glass spheres.

Section 971-9.4.2 – There are no initial and end of service life requirements for wet weather requirements. The current requirement in the Florida test method has a 3 year service requirement the revision has dropped this to 1 year. Keep the service life at 3 years. Section 971-5.5.2 states “the white and yellow pavement markings shall attain an initial retroreflectance of not less than 450 mcd/lx·m² and not less than 350 mcd/lx·m², respectively”. Add the same for initial dry to this section including 75mcd/lx·m² end of service life wet.

Section 971-9.4.3 – How is durability measured?

Alan L. Lafferty

Charles Doyle

File: 9710000 – Coatings and Traffic Marking Materials
Username: Charles Doyle
UserEmail: charlie.doyle@pottersbeads.com
UserTel: 678-560-5706
UserFAX: 678-560-5716
Date: Thursday, June 23, 2005
Time: 08:17:01 AM

Comments:

My comments are as follows:

971-2.2 Adhesion coating is for large beads only. Standard ashto should either have a moisture proof coating or a dual coating. If standard beads only have an MP coating then they will sink in the line.

971-5.3 There is no way to test the intermix to ensure that the proper mix between type 1 and type 3 is respected. Need some terminology in the spec that will allow for testing. A manufacturer could have a significant competitive advantage by not adhering to the intermix bead. I HAVE INCLUDED POTTERS INDUSTRIES INTERMIX SPEC FOR REVIEW, as well as to include in the spec.

971-6.1 HOT SPRAY does not work. Contractors need a sprayable thermo that they can apply at either 100 or 60 mils. Otherwise they will have to keep 2 different types of thermo inventory. WE have tested a spray thermo in Tallahassee with type 3 beads.

971-6.4.2 retro should be 450 mcd for white and 350 mcd for yellow. All markings should have the same minimum retro values. The goal is to upgrade the roadmarkings and this should apply across the board.

971-6.5 Use a type 3 single drop bead with spray thermo, NOT A TYPE 1 BEAD WITH HOT SPRAY. The hot spray system does not work and sets up too quickly which does not allow for bead retention

Matthew G. Schindler

Comments for 971

971-10.3: Suggest changing skid resistance values for markings in bike lanes and crosswalks to 50 BPN.

Matthew G. Schindler

Mayur Patel

File: 9710000 – Coatings and Traffic Marking Materials
Username: Mayur Patel
UserEmail: mayur.patel@dot.state.fl.us
UserTel: 352 955 6626
UserFAX: 352 955 6644
Date: Friday, June 24, 2005
Time: 05:05:09 PM

Comments:

971-2.2 The sieve charts should not be included in the specification. Just a reference to the AASHTO and FP standards with the acceptable bead types. We are not taking exception to the standards.

971-2.3.1 & 971-2.3.2: (1) Convert the spec to active voice. (2) It is not clear who samples the glass spheres. (3) To who samples should be furnished after Engineer splits it? Make it clear.

971-8.4.2 raised rib shoulder warning devices should have a service life of three years not one year.

971-9.4.2 wet weather markings should have a life of at least three years and not one year.

FLINT TRADING, INC. COMMENTS ON 971000

Section 971-1 General Requirements.

Add the following sentence at the end of the paragraph of Section 971-1.1 Packaging and Labeling: "Preformed thermoplastic marking packages shall be marked with content, color (if not white), date of manufacture, and lot number."

Add the following phrase at the end of the last sentence in Section 971-1.4 Qualified Products List: ... for the vehicle component, "if applicable."

Delete the following from Section 971-1.7 Retroreflectivity: "The in-service daytime chromaticity for yellow materials shall fall within the box created by the following coordinates: In Service Daytime Chromaticity Coordinates (Corner Points)." AND delete the table.

Section 971-7 Preformed Thermoplastic Materials for Traffic Stripes.

Section 971-7.1 General: **replace** the following text "The manufacturer shall utilize alkyd based materials only and shall have the option of formulating the material according to his own specifications" with "The material shall be oil impervious and the manufacturer shall have the option of formulating the material according to his own specifications."

Delete the entire contents of Section 971-7.2 Composition and **replace** it with the following sentence: "The preformed thermoplastic shall consist of high quality materials, pigments, and glass spheres uniformly distributed throughout the material."

Delete the entire contents of Section 971-7.3 Glass Spheres and **replace** it with the following sentence: "The glass spheres shall be a mix of Type 1 and Type 3 and meet the requirements of 971-2. The material shall contain no less than 30% glass spheres by weight."

Delete Section 971-7.4 Sharp Silica Sand in its entirety.

Section 971-7 Preformed Thermoplastic Materials for Traffic Stripes cont'd:

Change Section 971-7.5 Physical Requirements to be Section 971-7.4 Physical Requirements. AND **delete** the contents of the section and **replace** it with the following sentence: "The applied materials shall produce a marking which meets the specifications in 971-7.4.1 through 971-7.5. Additionally, the markings shall be oil impervious and resistant to gasoline and antifreeze. The markings shall at normal high and low pavement temperatures be capable of resisting deformation, chipping, and flaking by traffic."

Add the following sentence at the end of Section 971-7.5.1 Retroreflectivity: "Bike lane symbols, bike lane messages and pedestrian crosswalks shall attain an initial retroreflectance of not less than 275 mcd/lx.m²."