

9920000 Highway Lighting Materials
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Previte, John

Comments: (12-14-11) Should: derermined.....be.....determined
coation.....be.....coating prisomatic.....be.....prismatic

Response: Corrections Made, Spec's Department.

Barry Smith
850-414-4776

Comments: (12-16-11) **1.** The alternative product QPL requirements for conventional lighting (992-2.2) and high mast lighting (992-3.1) state that the submittal must meet 992-1. This will mean that the technical expert will have to review all items listed there. This will create a “system” that will have to be detailed all the way down to miscellaneous hardware. **2.** 992-1.8 Pull Boxes: Pull boxes shall meet the requirements of Section 635, except that the minimum size for highway lighting shall be 13 inches wide, 24 inches long and 12 inches deep. The cover shall be marked light “lighting” and shall be bonded to the ground rod if of metal construction. Should the word light be removed before “lighting”? **3.** 992-1.9 Distribution Service Point Equipment: All electrical equipment shall provided with 75° C terminal lug connectors. This sentence seems incorrectly worded. **4.** 992-2.1 PolesGalvanized Steel: Poles for conventional lighting shall be aluminum or an alternative pole approved on the Qualified Products List (QPL) unless otherwise shown in the plans. Remove approved and replace with “listed”. This should also be addressed in 992-3.1.

Response:

Gordon Wheeler, PE
Assistant State Utilities Engineer

Comments: (12-16-11) Sections 992-1.9.1, .3, and .5 are unclear.

Response:

Ray Haverty
ray.haverty@dot.state.fl.us

Comments: (12-29-11) 9920000 in 992-1.8 Pull Boxes: the last line it reads “ The cover shall be marked light “ lighting” and shall..... ” is the word “ light” needed? Also in 992-2.4 the last sentence of the first paragraph reads “ Luminaires shall be high pressure sodium vapor..... ” first “Luminaires” is misspelled it should be “Luminaries”, second the luminaries are not high pressure sodium vapor the lamps should be high pressure sodium vapor, as I understand it the luminaries can use different type lamps.

Response:

Barry Smith
414-4776

Comments: (1-6-12)

The QPL requirements for alternate products require “drawings and calculation indicating their product meets the requirements of 992-1”. This will require a large submission of miscellaneous material that will be very time consuming for the technical expert to review.

Calculation above should be calculations (plural) in both Poles 9-2.1.

Response:

Perez-Maspons, Edward

Comments: (1-10-12) In proposed specification 9920000 Highway Lighting Material in 992-1.3 we suggest that the bonding ground conductor should be always with a green jacket. In 992-2.85 (paragraph “c”) The 10amp fuse shall be rated 500v instead of 600v as shown.

Response:

Wayne "Bert" Woerner II, P.E.
386-943-5351

Comments: (1-11-12) **1)** The specification for “Poles” appears to be slightly different in spec. **7150000 and spec. 9920000.** **2)** Specification **9920000**, Section 992-3.4.6 should eliminate wording – “designed for hand operation.” High mast lights should be raised and lowered by a power drill motor only, not by a “hand” operation. **3)** Recommend use of Aluminum wiring (if only for replacement) in areas were lighting systems are considered theft prone. I refer to **9920000** for Highway Lighting Materials – Conductors. I believe this section specifies “copper” to be used.

Response:

Ron Steedman
[\[mailto:rlumenator@aol.com\]](mailto:rlumenator@aol.com)

Comments: (1-12-12) **1)** 992-2.4 requires that luminaire have a glass prismatic refractor, which does not apply to the flat glass clear lense cobraheads usually specified. It also calls for a hinge/ latch on both the street side and the house side. Some cobraheads, including the Philips/Lumec, have tool free (latch) access, but do it with one latch that gives complete access to the cobrahead interior (brochure attached). Also, rather than specifying the gasketing, it might be better to assign an IP rating, IP66 is the current industry standard for water- and dust-tightness. **2)** 992-7 Conventional aluminum poles will be stained if wrapped in "heavy paper" and they get damp or wet. They are made for outdoor use and wrapping will be counterproductive. Contractors may also charge more to unwrap the poles.

Response:

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