

Origination Form

Specifications

Submittal Information			
Name:	Richard Stepp	Standard Specification Section:	992
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Date:	2026-06-30T20:24:15Z	Associated Specs:	No

Summary:

Revisions to 992-2.2 to support the usage of different base options as listed on the APL.

Justification:

Changes are being made to support the new policy of listing aluminum light pole base options on the APL. This provides for BABA pre-approval of these items for roadway projects. Additionally, this policy will now allow for contractors to substitute different frangible light pole base designs. For example, a breakaway bolt design is now permitted instead of the legacy transformer base. These additional options help with supply chain concerns recently reported. This revision works with pending revisions to the Standard Plans Index 715 series.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans	Me	Yes
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List	Missy Hollis	Yes
Construction Office		No
Maintenance Office		No

Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Yes. This revision allows for different crash-tested options for light pole bases, helping to improve safety. This revision allow for different types of innovative design solutions that are still considered crashworthy.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

This revision helps to improve construction schedules by reducing product supply constraints and delays. This should help reduce overall costs. This also reduces process time because the items will now be pre-approved for BABA on the APL.

What impact does the change have on production or construction schedules?

This revision helps to improve construction schedules by reducing product supply constraints and delays. This should help reduce overall costs. This also reduces process time because the items will now be pre-approved for BABA on the APL.

How does this change improve efficiency or quality?

This revision helps to improve construction schedules by reducing product supply constraints and delays. This should help reduce overall costs. This also reduces process time because the items will now be pre-approved for BABA on the APL.

Which FDOT offices does the change impact?

Construction

What is the impact to districts with this change?

This revision helps to improve construction schedules by reducing product supply constraints and delays. This should help reduce overall costs. This also reduces process time because the items will now be pre-approved for BABA on the APL.

Does the change shift risk and to who?

No

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/specifications/default.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

HIGHWAY LIGHTING MATERIALS (REV 6-30-26)

SUBARTICLE 992-1.2 is deleted and the following substituted:

992-1.2 Luminaires, Driver, etc.: All luminaires shall be one of the products listed ~~in~~on the Department's Approved Product List (APL). Manufacturers seeking evaluation of their product shall submit an application and sample luminaire in accordance with Section 6.

The light source for luminaires shall be either light emitting diodes (LED), magnetic induction or plasma induction.

The luminaire housing shall be constructed of precision cast aluminum with a corrosive resistant polyester powder coat finish. The standard color shall be gray. The housing shall have an electrical terminal block to attach the luminaire cable and a hinged door which provides direct access to internal parts. Hinged doors are not required for high mast luminaires and underdeck luminaires. All hardware on the exterior of the housing shall be stainless steel. The refractor and lens shall consist of glass or an optical grade polymer. The manufacturer shall place a permanent tag in the luminaire housing imprinted with: the manufacturer name, luminaire voltage, lamp wattage, and provide a blank area for the Contractor to inscribe the installation date.

Luminaires shall meet the following requirements: UL 1598 listed and labeled for installation in wet locations by an OSHA recognized "Nationally Recognized Testing Laboratory" (NRTL), be capable of maintaining 94.1% intensity at 10,000 hours with an ambient temperature of 25°C (IES LM-80) and have IESNA light distribution curves (IES LM-79) by an EPA recognized laboratory.

The driver shall be rated for 100,000 hours and have a power factor greater than or equal to 90% at full load with a total harmonic distortion less than or equal to 20% at full load. The fixture shall accommodate a circuit voltage of 480V.

Luminaires shall be provided with a minimum 10kV/10kA internal surge suppression module meeting UL 1449/ANSI C62.41.2 Category C.

The manufacturer shall submit a ten-year non-prorated full warranty on all components of the luminaire to the Department. The warranty shall begin on the date the luminaire is shipped from the vendor.

SUBARTICLE 992-2.2 is deleted and the following substituted:

992-2.2 Frangible Bases: ~~Aluminum poles shall be installed on transformer bases with the exception of lights installed on bridge pilasters or on top of median concrete barriers. Transformer base poles shall have a grounding lug in the transformer base. The base shall be arranged for anchoring to a transformer base with four 1 inch anchor bolts (minimum size).~~ Frangible bases are required for aluminum poles mounted to general concrete foundations, excluding median barrier and pedestal mounts per the Standard Plans. Frangible bases shall be one of the products listed on the Department's APL. Manufacturers seeking evaluation of products for inclusion on the APL must submit an application in accordance with Section 6, including documentation showing that the product meets crash test and wind load requirements per the Standard Plans, Index 715 series.