

SUMMARY OF CHANGES
SUPPLEMENTAL SPECIFICATIONS FOR DECORATIVE LIGHTING SYSTEMS

MARCH 2007 TO APRIL 2009

1. Updated purpose to include current Florida Department of Transportation (FDOT) Design Standards, Standard Specifications for Road and Bridge Construction, Manual on Uniform Traffic Control Devices (MUTCD), and National Electric Safety Code (NESC).
2. Added:
 - All light pole assemblies and the electrical service pole shall be leveled to the satisfaction of the Lighting District inspector.
 - The Charlotte County Lighting District inspector assigned to the project shall have the authority to make final determinations on whether workmanship, materials, and/or final product(s) meet the specifications contained herein.
 - Charlotte County reserves the right to add to or delete from the overall quantity of pull boxes from what is shown on the plans. If the quantity of materials is increased, the contractor shall be compensated according to the per unit price of this change.
 - The light type for all decorative lighting systems shall be high pressure sodium (HPS). There will be no substitutes to the wattages or light type. Designers shall utilize any combinations of 70, 100, 150, or 250 watt mogul base HPS lamps.
 - When steel pole bases are used, the pole base shall be filled with soil to provide support for the installed conduits.
 - Each light pole shall have a pull box placed directly in front of or behind the light pole foundation. Only one conduit should enter a light pole base.
 - If the contractor chooses to buy all of the components which make up the load center individually and assemble them on site, it is recommended that Charlotte County perform the assembly work. Charlotte County will assemble, wire, and test the back panel, and the contractor will install it into the cabinet.
 - Charlotte County reserves the right to redirect the termination point(s) of any or all conduit(s) from what is shown on the plans. If the

quantity of materials is increased, the contractor shall be compensated according to the per unit price of this change.

- Pull boxes placed in front of the load center and on the opposite side of the service point road crossing shall be larger than the standard lighting pull box. The box to be used at the load center and load center crossing shall be a Quazite part # PG173OBA12 (box) and # PG173OHA_ _ (lid). The last two digits left blank are for the lid logo and shall be filled in by the contractor for the specific lid logo
- The pull boxes shall have the FDOT APL number embossed in the cover, and the interior of the box shall be stenciled with the APL number. All pull boxes shall have cover logos identifying their specific purpose. The lid logo shall read "Street Lighting."
- All spare conduits shall have a #14 AWG, stranded XHHW tracer wire.
- The depth of any directionally-drilled conduit shall not exceed 10'. Charlotte County reserves the right to reject any conduit(s) placed greater than 10' deep. Should a depth greater than 10' be required, the contractor shall obtain approval from Charlotte County prior to performing the work.

SERVICE POINT DETAIL:

- A photograph of the service point detail is provided within the specifications section. The detail depicts how the components within the cabinet should be laid out. The electrical service conductors shall be #2 AWG, with continuous black and white THHN/THWN insulation. The minimum size wire connecting the main breaker to the contactor and the contactor to the secondary breaker(s) shall be #6 AWG stranded, THHN/THWN wire. The minimum size of any control wire shall be #14 AWG stranded, THHN/THWN wire.
- A 2" hole, covered with Plexiglas, shall be installed in the lower right corner of the load center cabinet.

CHANGED, CLARIFIED OR MODIFIED:

- Modified part numbers for contactor, step-down transformer, pole lightning arrester, load center lightning arrester, and lighting fixtures.
- Changed decorative pole, fixture and arm specifications.
- Specified wire insulation type.
- Conduit size increased from 1 ¼" to 2".

- Clarified wire insulation type.
- Increased pole size to mount electrical load center on. Added verbiage regarding metering.
- Removed references to HET fuse holders.