



U.S. Department
of Transportation
**Federal Highway
Administration**

Georgia Division

March 31, 2015

61 Forsyth Street S.W.
Suite 17T100
Atlanta, Georgia 30303
Phone 404-562-3630
Fax 404-562-2703
Georgia.fhwa@fhwa.dot.gov

In Reply Refer To:
HPE-GA

Russell McMurry, P.E., Commissioner
Georgia Department of Transportation
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308

Dear Commissioner McMurry:

We have reviewed the request to use proprietary items for the Broad Street Streetscape Project, in the City of Cairo, Grady County, Project PI # 0010602.

FHWA accepts the Certification provided by the City of Cairo that the following items are essential for aesthetic synchronization to match the visual appearance of existing facilities previously installed in the City:

Bollards

Manufacturer: Beacon Products

Model: CEN42

Color: Black

Quantity in Project: 10

Total Estimated Cost for Bollards: \$12,000

Therefore, FHWA finds that it is acceptable to use the above listed items for the purpose of synchronization with existing facilities. This approval is only applicable for use on Project PI # 0010602, Grady County. The City of Cairo is responsible for ensuring that these items comply with the Buy America Act.

If you have any questions, please contact Trevor Smart, Transportation Engineer, at (404) 562-4280.

Sincerely,

 Rodney N. Barry, P.E.
Division Administrator

Cc: Dave Peters, Conceptual Design Group Manager

Russell McMurry, P.E., Commissioner



GEORGIA DEPARTMENT OF TRANSPORTATION

One Georgia Center, 600 West Peachtree Street, NW
Atlanta, Georgia 30308
Telephone: (404) 631-1000

March 18, 2015

Mr. Rodney Barry – Division Administration
Federal Highway Administration
61 Forsyth Street, Suite 17T100
Atlanta, GA 30277
Attention: Melinda Roberson

Subject: Request for Proprietary Items Usage
PI # 0010602
Broad Street from CSX #636831U to CS551/2nd Avenue SE
City of Cairo, Grady County

Mr. Barry:

Please review the attached request from the City of Cairo for the use of proprietary bollards along the Broad Street Streetscape project, P.I. Number 0010602.

The City of Cairo has previously installed matching lighting items in the project vicinity. In order to ensure aesthetic continuity within its downtown area, the City of Cairo respectfully requests approval to utilize the requested bollards.

The Department considers the use of the proposed proprietary items to be in compliance with 23 CFR 635.411 for aesthetic synchronization.

Should you have any questions or concerns, please contact Dave Peters at 404-631-1738 or Jeanne Kerney at 404-631-1982.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dave Peters".

for Brent Story, P.E.
State Design Policy Engineer

BAS:drp



February 11, 2015

Ms. Jeanne Kerney
TE Project Manager
Moreland Altobelli Associates, Inc.
2211 Beaver Run Road, Suite 190
Norcross, GA 30071

RE: Use of Proprietary Items for
Broad Street from CSX #636831U to CS 551/2nd Ave. SE; Grady County
GDOT PI: 0010602

Dear Ms. Kerney,

As per Federal Highway Administration regulation in 23 CFR 635.411(a) 2, proprietary materials, specifications, and processes can be used if their use is essential for synchronization with existing highway facilities. For the City of Cairo's Transportation Enhancement Project, PI#0010602, the following proprietary items are proposed for use:

Bollards

Manufacturer: Beacon Products

Model: CEN42

Quantity in Project: 10

Color: Black

Total Estimated Cost for Bollards: \$12,000

The total estimated costs for materials listed above are based on recent construction bids on similar projects. These costs include materials, labor, tax, and freight.

The estimated total construction cost for the project is \$700,000. The cost of \$12,000 for proprietary items represents 1.7% of the estimated construction costs.

The bollards proposed on this project have been selected to match the existing light poles and pole bases, also manufactured by Beacon Products, currently installed throughout downtown Cairo. There are ten (10) existing pedestrian light poles, in-place since the mid 1990's, located within the limits of this project. These poles will be removed, refurbished, and reinstalled by the City of Cairo in coordination with the project. The 'Centennial' bollards are an exact match for 'Centennial' base used at the light poles.

*P. O. Box 29 * 119 North Broad Street * Cairo, Georgia 39828
Telephone: 229-377-1722 * Fax 229-378-3004*

I, Chris Addleton, City Manager of the City of Cairo, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that this patented or proprietary item is essential for synchronization with existing highway facilities. The use of these products is essential for aesthetic synchronization to match the visual appearance of existing facilities previously installed in the City.

The City of Cairo respectfully requests that the use of these proprietary products be approved.

Sincerely,

A handwritten signature in blue ink that reads "Chris Addleton". The signature is fluid and cursive, with the first name "Chris" and last name "Addleton" clearly distinguishable.

Chris Addleton
City Manager
City of Cairo, GA

Attachments to include:

- A. Photos of existing light pole/base
- B. Manufacturer specification sheet for bollard



Existing light pole,
Centennial base



CEN42 (formerly AB-2342)

Lighted & Unlighted Centennial AK Bollard

Project Information

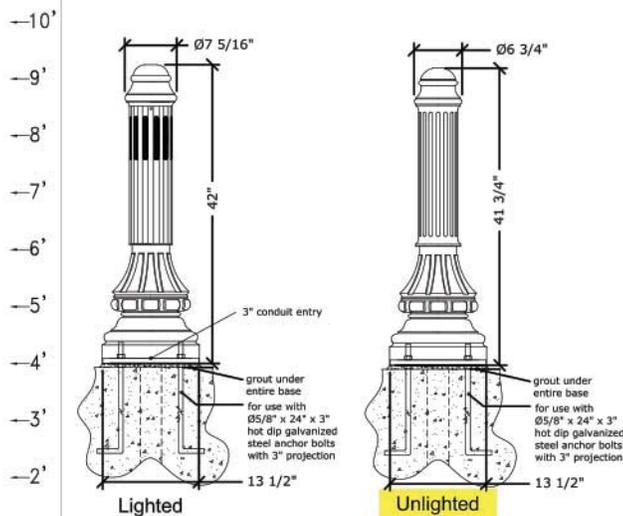
Name / Location: _____ / _____
 Type / Quantity: _____ / _____
 Sold to: _____
 PO#: _____

Approvals

Perspective



Bollard Detail



Specifications

Construction:
 All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal.

Electrical Assembly:
 The electrical assembly shall be comprised of a high power factor ballast, designed to operate an HID lamp (by others) up to 70 watts and shall be integrally mounted to a removable aluminum tray with nonferrous brackets and fasteners. The lampholder shall be porcelain glazed and rated for 600V and 4KV pulse for medium based lamps. Electronic ballasts shall be supplied for all CFL sources and are an option for HID sources; consult factory for details.

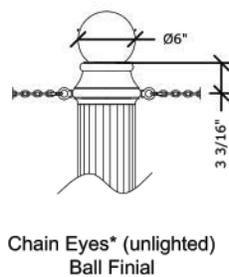
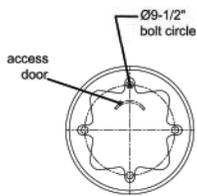
The bollard shall be NRTL listed and suitable for wet locations.

Anchor Bolts:
 5/8\"X12\"X3\" anchor bolts, double hex nuts and flat washers shall be hot dipped galvanized steel. A bolt circle template shall be provided.

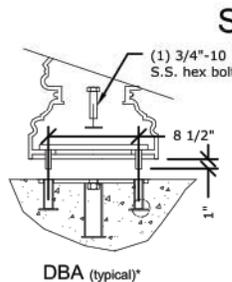
Fasteners:
 All fasteners shall be stainless steel. When tamper resistant fasteners are required, spanner HD (snake eye) style shall be provided (special tool required, available at additional cost).

Finish:
 Finish shall be Beacote III polyester powdercoat electrostatically applied and thermocured. Bollards shall be subjected to iron-phosphate chemical pre-treatment prior to painting by immersion process.

Anchor Bolt Pattern

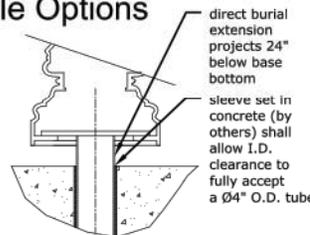


Chain Eyes* (unlighted)
 Ball Finial

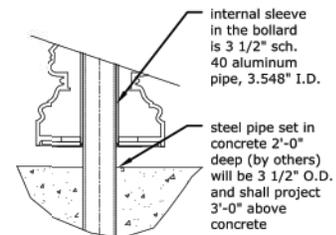


DBA (typical)*

Style Options



DBE (typical)*



SOB (typical)*

Ordering Example:
 CEN42L / AC / MH70-120-D / BL / PEC / BB

CEN42

<p>Style</p> <input type="checkbox"/> L Lighted <input checked="" type="checkbox"/> U Unlighted	<p>Source</p> <input type="checkbox"/> MH50 50w metal halide <input type="checkbox"/> MH70 70w metal halide <input type="checkbox"/> HPS50 50w high pressure sodium <input type="checkbox"/> HPS70 70w high pressure sodium <input type="checkbox"/> CF42 42w compact fluorescent <input type="checkbox"/> INC incandescent (150w max) <input type="checkbox"/> OTHER	<p>Socket</p> <input type="checkbox"/> D medium <input type="checkbox"/> G12 G12 bi-pin* <input type="checkbox"/> 4P 4-pin (compact fluorescent)	<p>Electrical Options</p> <input type="checkbox"/> PEC photocell** <input type="checkbox"/> FS fuse holder <input type="checkbox"/> EB electronic ballast <input type="checkbox"/> IQ IQ On Board	<p>Finish</p> <input type="checkbox"/> BB black <input type="checkbox"/> BZ bronze <input type="checkbox"/> BG green <input type="checkbox"/> BW white <input type="checkbox"/> BY gray <input type="checkbox"/> RAL RAL- <input type="checkbox"/> OTHER
<p>Lens Material</p> <input type="checkbox"/> A Acrylic <input type="checkbox"/> P Polycarbonate	<p>Lens Finish</p> <input type="checkbox"/> C Clear <input type="checkbox"/> F Frosted <input type="checkbox"/> W White	<p>Optical Options, Distribution</p> <input type="checkbox"/> BL bare lamp, type V	<p>Style Options</p> <input type="checkbox"/> BAL 6\"/>	<p>Consult factory for premium and verde finishes. Custom colors available.</p>

Notes:
 * Consult Factory
 ** Specify Location, Unlighted Only
 *** Unlighted only, 3.5\"/>