



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

**Georgia Division**

May 13, 2015

61 Forsyth Street S.W.  
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 Golden:

We have reviewed the request to use proprietary lighting items on Northlake Area Streetscape, PI 0009031, Dekalb County.

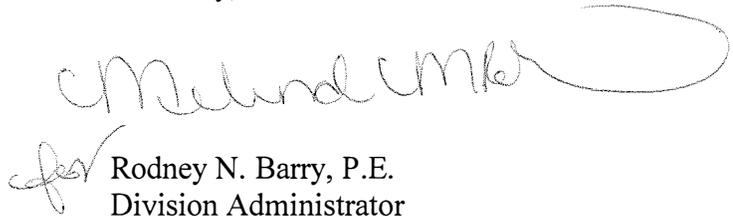
FHWA accepts the Certification provided by the Dekalb County, that the following items are essential for the synchronization with existing street improvement projects, aesthetic synchronization to match the visual appearance of existing facilities previously installed in the County.

- Light Pole and Base by Hapco – drawing #A89871
- Epic Modern Large (EML) Luminaire by Cooper Lighting – Model EML-HPS-MT-3S-FG-SO-BL-BK-L & VA6005-BK 150W HPS

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 Federal Project Number PI 0009031, in Dekalb County.

If you have any questions, please contact Alvin Gutierrez, Transportation Engineer, at (404) 562-3632.

Sincerely,



Rodney N. Barry, P.E.  
Division Administrator

Cc: Dave Peters, Conceptual Design Group Manager



April 10, 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 # 0009031  
Northlake Area Streetscapes  
DeKalb County, Georgia

Mr. Barry:

Please review the attached request from DeKalb County for the use of proprietary lighting items in the Northlake Area Streetscapes Project, P.I. Number 0009031.

DeKalb County has previously installed identical items on adjacent projects in the Lakewood Area. In order to ensure aesthetic continuity within the Lakewood Area, DeKalb County respectfully requests approval to utilize the requested items.

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,

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

BAS:drp



**DeKalb County**  
**Public Works**  
**Transportation Division**

1950 W. Exchange Place, 4<sup>th</sup> Floor  
Tucker, Georgia 30084  
Phone: 770-492-5200 - Fax: 770-492-5201

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March 19, 2015

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

**RE: Use of Proprietary Items for  
Northlake Area Streetscapes  
P.I. Number 0009031, DeKalb County**

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 DeKalb County, the Northlake Area Streetscape Project, PI# 0009031, the following proprietary items are proposed for use:

Pedestrian Light Pole and Base and Luminaire:

Light Pole and Base: 12' Grand Decorative Pole  
with Base  
Manufacturer: Hapco  
Specs: As specified in Hapco drawing #A89871  
Color: Black  
Quantity: 97

Luminaire: Epic Modern Large  
Manufacturer: Cooper Lighting  
Model: EML-150-HPS-MT-3S-FG-SO-BL-BK-L &  
VA6005-BK  
Description: 150W HPS, Type III, Solid Mid  
Section, Bell Shade, Black,  
Bishop Single Pole Mounted Arm  
Quantity: 97

Total Estimated Cost for Luminaires and Poles: \$426,800

The total estimated costs for materials listed above are based on recent construction bids on similar projects. These costs include materials and installation (roughly \$4400/light). The estimated total construction cost for the project is \$1,735,141. The cost of \$426,800 for proprietary items represents 24% of the estimated construction costs.

These proposed pedestrian lighting products have been installed around the Northlake Area, including along Lavista Road, adjacent to the proposed project in previous projects. These products were approved by DeKalb County. In the attachments we have exhibited the product information and contact information

Proprietary Items Request  
PI# 0009031, DeKalb County  
March 19, 2015  
Page 2 of 2

for each product's manufacturer. We have also attached photographs of existing areas with the products in use.

I, Dave Pelton, Interim Associate Director of Transportation, DeKalb County do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that these proprietary items are 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 Northlake Area.

DeKalb County respectfully requests that the use of these proprietary products be approved.

Sincerely,



Dave Pelton  
Interim Associate Director of Transportation

cc: Nikki Reutlinger (Atkins)

Attachments:

A: Photos of existing lighting

B: Manufacturer's details for each proprietary item



LaVista/Briarcliff intersection in front of Northlake Mall

Proprietary Items Request  
PI# 0009031  
DeKalb County  
Attachment A



4070 Lavista Road - in front of Wells Fargo

EPIC Collection delivers custom luminaire flexibility with the quality and availability expectations of standard specification grade product. Offered in two (2) housing sizes, and hundreds of unique combinations, EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class optical solutions to the decorative luminaire marketplace. EPIC Collection offers targeted solutions for full cutoff compliance, spill light control, and path of egress illumination while integrating the latest lamp technologies into visually comfortable lighting solutions.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

**SPECIFICATION FEATURES**

**Construction**  
 TOP: Cast aluminum modern top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One (1) piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. MIDSECTION: Milky white acrylic lens utilizes continuous silicone gaskets to seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: SO Solid, WN Window, LV Louvered, ST Slot, SR Solid Rings. LR Luminous Rings feature clear acrylic rings suspended by stainless steel spacers and hardware. Optional colored luminous rings utilize a colored gel film attached behind luminous mid lens to project color along edges of rings. SHADES: Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. DOORFRAME ASSEMBLY: Used with horizontally lamped segmented optical systems. Die-cast aluminum 1/8"

thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Door hinges opens via release of two (2) concealed quick release fasteners. Impact resistant 1/8" thick tempered flat or sag glass lens (clear or frosted finish) seals to door with a one-piece silicone gasket.

**Electrical**  
**ELECTRICAL TRAY:** Ballast and related electrical componentry are mounted to a reinforced one piece tray with integral handle. Quick disconnect wiring plugs allow easy tray removal during routine maintenance.

**Optical**  
**OPTICAL SYSTEMS:** Choice of five (5) high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs, or other means of attachment which may cause streaking in the

light distribution. All reflector modules feature toolless removal, quick disconnect wiring plugs, and are 360 degree field rotatable. Optional MA milky white acrylic jar utilizes a vertical lamp orientation. Maximum 250W HID. Vertically lamped optical systems are secured with a die cast retainer collar, stainless steel hardware, and a one-piece silicone gasket, and feature standard high reflectance white powder coat paint finish on underside of shade for optimal fixture efficiency.

**Finish**  
 Housing finished in a 5 stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, graphite metallic, and hartford green. RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information.

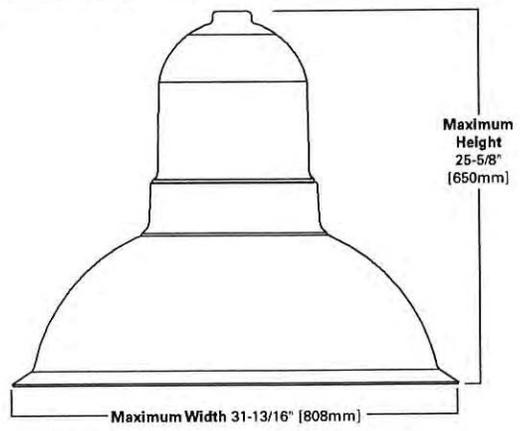


**EML  
 EPIC MODERN  
 LARGE**

- 70W - 400W
- Pulse Start Metal Halide
- Metal Halide
- High Pressure Sodium
- Compact Fluorescent

DECORATIVE AREA  
 COLLECTION

**DIMENSIONS**



NOTE: See configurations for more detailed information.

**DARK SKY COMPLIANT** FCO Full Cutoff

NOTE: In all flat glass and solid mid sections configurations only.

**CERTIFICATION DATA**

- IP66 Rated
- U.L. 1598 Listed
- 2G Vibration Tested
- CSA Listed
- 40°C Ambient Temperature Rating
- ISO 9001
- Full Cutoff - (When specified with horizontal lamp and solid mid section or "NG" Option)

**EPA**

**Effective Projected Area: (Sq. Ft.)**  
 Flat Lens 1.55  
 Sag Lens 1.75

**WATTAGE TABLE**

Lamp Type	Wattage
Pulse Start Metal Halide (MP)®	150, 175, 250, 320, 350, 400W
High Pressure Sodium (HPS)	150, 250, 400W
Metal Halide (MH)	175, 250, 400W
Compact Fluorescent (CF)	(1) 70, (2) 42, (2) 57W

NOTE: ® EISA Compliant: 175-400W.



PROJECT CONTROLS

HOUSING

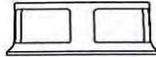


**Modern**  
12.8" H x 12.2" W

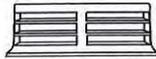
MID SECTION



**Solid**  
3.8" H x 13.4" W



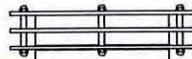
**Window**  
3.8" H x 13.4" W



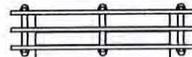
**Louvered**  
3.8" H x 13.4" W



**Slot**  
3.8" H x 13.4" W

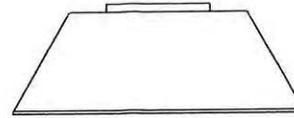


**Solid Rings**  
3.8" H x 15.8" W

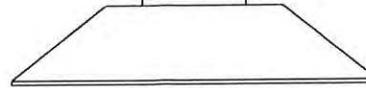


**Luminous Rings**  
3.8" H x 15.8" W

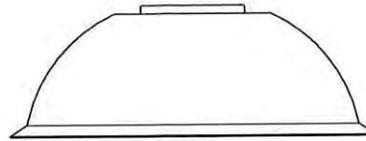
SHADE



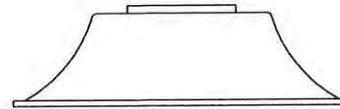
**Straight Narrow**  
6.6" H x 30" W



**Straight Wide**  
6.6" H x 30" W



**Bell**  
9" H x 30" W



**Flute**  
8.4" H x 31.8" W

Sample Number: EML-400-MH-MT-3S-FG-LV-FL-BK-L

**Product Family** <sup>1</sup>

**EML**=Epic Modern Large

**Lamp Wattage** <sup>2</sup>

**MP**  
**150**: 150W  
**175**: 175W  
**250**: 250W  
**320**: 320W  
**350**: 350W  
**400**: 400W<sup>3</sup>  
**MH** <sup>4</sup>  
**175**: 175W  
**250**: 250W  
**400**: 400W<sup>3</sup>  
**HPS**  
**150**: 150W  
**250**: 250W  
**400**: 400W  
**Compact Fluorescent**  
**70**: 70W<sup>5</sup>  
**84**=(2) 42W<sup>6</sup>  
**114**=(2) 57W<sup>6</sup>

**Lamp Type**

**MP**=Pulse Start Metal Halide  
**MH**=Metal Halide  
**HPS**=High Pressure Sodium  
**CF**=Compact Fluorescent<sup>7</sup>

**Voltage** <sup>8</sup>

**120**=120V  
**208**=208V  
**240**=240V  
**277**=277V  
**347**: 347V  
**480**: 480V  
**DT**: Dual-Tap wired<sup>9</sup>  
 277V  
**MT**: Multi-Tap wired<sup>10</sup>  
 277V  
**TT**: Triple-Tap wired<sup>11</sup>  
 347V  
**UNV**: 120-277V  
 Universal  
 Electronic  
 Ballast

**Optical System**

**Horizontal Lamp**

**2S**: Type II  
**3S**: Type III  
**4S**: Type IV  
**5S**: Type V  
**SL**=Forward Throw<sup>12</sup>  
 w/ Spill Light  
 Eliminator  
**Vertical Lamp**  
**MA**=Milky White<sup>13</sup>  
 Acrylic Jar

**Lens Type**

**Horizontal Lamp**  
**FG**=Flat Glass  
**FR**=Frosted Flat Glass  
**SG**=Sag Glass  
**FRS**: Frosted Sag Glass  
**Vertical Lamp**  
**X**: No Lens

**Mid Section Type**

**SO**: Solid  
**WN**: Window  
**LV**: Louvered  
**ST**: Slot  
**SR**: Solid Rings  
**LR**: Luminous Rings  
**Optional Mid Section Type**  
**LRR**: Luminous Rings -  
 Red  
**LRB**: Luminous Rings -  
 Bright Blue  
**LRG**: Luminous Rings -  
 Deep Green  
**LRO**: Luminous Rings -  
 Warm Orange

**Shade Type**

**SW**=Straight Wide  
**BL**=Bell  
**FL**=Flute

**Color** <sup>14</sup>

**BK**: Black  
**AP**: Grey  
**BZ**: Bronze  
**WH**: White  
**DP**: Dark Platinum  
**GM**: Graphite Metallic  
**GN**: Hartford Green

**Options**

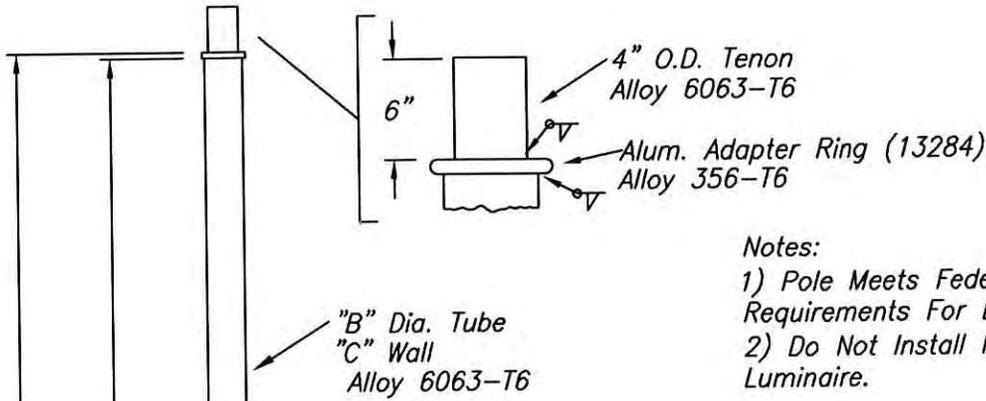
**CEC**: California Title 20 Compliant Ballast  
 (Applies to 175-320W and 400W MP  
 only)  
**F**: Single Fuse (120, 277 or 347V) Specify  
 Voltage  
**FF**: Double Fuse (208, 240 or 480V) Specify  
 Voltage  
**Q**=Quartz Restrike<sup>15</sup>  
**EM**=Quartz Restrike w/ Time Delay (Also<sup>15</sup>  
 Strikes at Cold Start)  
**EM/SC**=Quartz Emergency Separate Circuit<sup>15</sup>  
**DS**=Dual Fluorescent Switching Control<sup>16</sup>  
**HS**=House Side Shield<sup>17</sup>  
**NG**=No Glow Luminous Mid Section<sup>18</sup>  
**L**=Lamp Included

**Accessories** <sup>19</sup>

**VA6001-XX**=Bishop Wall Mount Arm  
**VA6002-XX**=Bishop Wall Mount Arm w/ Cross  
 Rod  
**VA6003-XX**=Traditional Wall Mount Arm  
**VA6004-XX**=Traditional Wall Mount Arm w/ 45°  
 Strap  
**VA6005-XX**=Bishop Single Pole Mount Arm  
**VA6006-XX**=Bishop Single Pole Mount Arm w/  
 Cross Rod  
**VA6007-XX**=Bishop Twin Pole Mount Arm  
**VA6008-XX**=Bishop Twin Pole Mount Arm w/  
 Cross Rods  
**VA6009-XX**=Traditional Single Pole Mount Arm  
**VA6010-XX**=Traditional Single Pole Mount Arm  
 w/ Rounded Upper Bar  
**VA6011-XX**=Traditional Single Pole Mount<sup>22</sup>  
 Arm w/ Rounded Lower Bar  
**VA6012-XX**=Traditional Single Pole Mount Arm  
 w/ 45 Degree Upper Bar  
**VA6013-XX**=Traditional Single Pole Mount<sup>22</sup>  
 Arm w/ 45 Degree Lower Bar  
**VA6014-XX**=Traditional Single Pole Mount Arm  
 w/ 45 Degree Upper Strap  
**VA6016-XX**=Traditional Twin Pole Mount Arm  
**VA6017-XX**=Traditional Twin Pole Mount Arm  
 w/ Rounded Upper Bars  
**VA6018-XX**=Traditional Twin Pole Mount <sup>22</sup>  
 Arm w/ Rounded Lower Bars  
**VA6019-XX**=Traditional Twin Pole Mount Arm  
 w/ 45 Degree Upper Bars  
**VA6020-XX**=Traditional Twin Pole Mount <sup>22</sup>  
 Arm w/ 45 Degree Lower Bars  
**VA6021-XX**=Traditional Twin Pole Mount Arm  
 w/ 45 Degree Upper Straps  
**VA6022-XX**=EML Mast Arm Adapter  
**OARA 1016**=NEMA Photocontrol - Multi-Tap  
**OARA 1027**=NEMA Photocontrol - 480V  
**OARA 1201**=NEMA Photocontrol - 347V  
**Accessory Options** <sup>20, 21</sup>  
**V**=Victorian Finial  
**M**=Modern Finial  
**A**=Architectural Finial  
**N**=Nostalgic Finial  
**R**=NEMA Twistlock Photocell Receptacle (not  
 compatible with finials, wall mount bishop arms  
 or pendant mounting)

**Notes:** 1 Arm not included. Use with INVUE brand arms. See accessories. 2 Standard with mogul-base socket for HPS, MH and 175-400W MP. Standard with medium-base socket for MP lamps 150W and below. 3 400W MP and MH requires reduced envelope ED28 lamp. 4 MH products available for non-U.S. markets only. 5 Single 70W compact fluorescent lamp available with vertical optical systems only. 120 through 277V only. 6 Dual Compact Fluorescent lamp options available in Type 2S with 84 and 114W. Type 3S available in 84W only. 7 CF ballasts are 120 through 277V. Specify with UNV voltage designation. 8 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 9 Dual-tap is 120/277V wired 277V. 10 Multi-tap is 120/208/240/277V wired 277V. 11 Triple-tap is 120/277/347V wired 347V. 12 SLE only available with Solid Mid Section (SO) or with No Glow Luminous Mid Section (NG) option. 13 Maximum wattage of 250W HID. 14 Custom and RAL color matching available upon request. Consult your INVUE Lighting Systems Representative for further information. 15 Quartz options not available with SL optic, or vertical lamped optical systems. 16 Dual switching requires dual 42W or dual 57W Compact Fluorescent lamps. Allows independent switching control of each lamp through use of two (2) electronic ballasts. Allows 50% power reduction when dual ballasts are independently wired and controlled. 17 House side shield available on horizontally lamped 2S, 3S, and 4S optical systems only. 18 NG option retains daytime appeal of window, louvered, slot, solid rings or luminous rings mid section styles, but does not allow light into the upper chamber of the housing. Mid section will not glow at night, maintaining the cutoff control associated with the standard solid mid section. 19 Order separately, replace XX with color suffix. 20 Add as suffix to accessory. Example: VA6009-BK-R. 21 Finials compatible with Traditional Arms only. 22 Requires use of 4" O.D. round straight pole.

NOTE: This pole meets the requirements of AASHTO "Standard Specifications for Structural, Luminaires and Traffic Signals", 1994 and 2001 Editions per FHWA acceptance letter LS-64 which can be found at: "http://safety.fhwa.dot.gov/roadway\_dept/road\_hardware/breakaway/pdf/ls64.pdf"

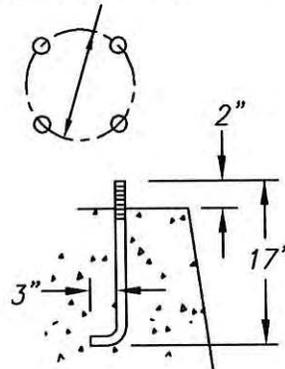


Notes:  
 1) Pole Meets Federal Highway Requirements For Breakaway.  
 2) Do Not Install Pole Without Luminaire.

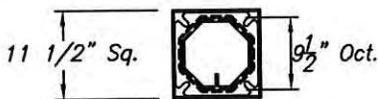
Item No.	A	B	C	D
89871-001	10'	4"	.125"	6'-2 3/4"
89871-002	12'	4"	.125"	8'-2 3/4"
89871-003	12'	5"	.125"	8'-3 3/4"
89871-004	14'	5"	.125"	10'-3 3/4"
89871-005	16'	5"	.125"	12'-3 3/4"
89871-006	18'	5"	.188"	14'-3 3/4"
89871-007	20'	5"	.188"	16'-3 3/4"
89871-008	14'	4"	.125"	10'-2 3/4"
89871-009	14'	4"	.188"	10'-2 3/4"

- (4) 1/2"-13NC Galv. Stl. Anchor Bolts, AASHTO M314-90 Grade 55, 10" Of Threaded End Galv. Per ASTM A153.
- (4) 1/2"-13NC Galv. Stl. Hex. Nuts
- (4) 1/2" Galv. Stl. Lockwashers
- (4) 1/2" Galv. Stl. Flatwashers

11 3/8" To 12 3/8"  
 Dia. Bolt Circle



- 5.25" Dia. (12 Flutes)
- 9" Across Flats (Octagonal)
- 8" x 4.5" Door Opening
- 10" Across Flats (Octagonal)



NO.	REVISIONS	DATE
1	Added B'away Note	1/08

**hapco**  
 Abingdon, Va.

TITLE GRAND DECORATIVE LIGHTING POLES	
CUSTOMER GEORGIA POWER	
SCALE 20	DATE 3/22/07
BY GM	DWG. NO. A89871
CHK'D	