



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

Georgia Division

November 3, 2014

61 Forsyth Street S.W.
Suite 17T100
Atlanta, Georgia 30303
Phone 404-562-3630
Fax 404-562-3703
Georgia.fhwa@fhwa.dot.gov

In Reply Refer To:
HPE-GA

Mr. Keith Golden, 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 items for the Milford Street/Phillipsburg Road Sidewalks/Walking Lane project in the City of Colquitt, Miller County, Project CSTEE-0009-00(111); PI # 0009111.

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

Light Pole

Manufacturer: Shakespeare Composite Structures
Post: Washington
Model: AP17-16FG11W1
Quantity: 26
Total Estimated Cost: \$48,100.00

Luminaire

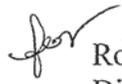
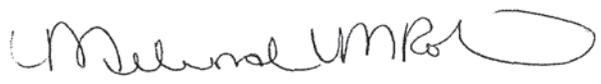
Manufacturer: Cooper Lighting
Luminaire: Acorn
Model: ANE15SR2335
Quantity: 26
Total Estimated Cost: \$24,700.00

Total Estimated Cost for Proprietary Items: \$72,800.00

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 CSTEE-0009-00(111); PI # 0009111, Miller County. The City of Colquitt 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

Keith Golden, P.E., Commissioner



GEORGIA DEPARTMENT OF TRANSPORTATION

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

October 30, 2014

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

Subject: Proprietary Items Usage
PI # 0009111; Project CSTE-0009-00(111)
Milford Street/Phillipsburg Road Sidewalks/Walking Lane
City of Colquitt, Miller County

Mr. Barry:

Please review the attached request from the City of Colquitt for the use of proprietary lighting items along Milford Street/Phillipsburg Road. The requested proprietary items would be installed as part of Transportation Enhancement project P.I. Number 0009111.

The City of Colquitt has previously installed identical items in the project vicinity. In order to ensure aesthetic continuity within downtown Colquitt, the City of Colquitt respectfully requests approval to utilize the requested items.

The Department considers the use of the proposed proprietary lighting 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 "Brent Story".

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

BAS:drp

CITY OF COLQUITT

154 West Street, Colquitt, GA 39837

(Telephone) 229-758-1000 (Facsimile) 229-758-4181

Jerry M. Chapman, Mayor
KaCee Holt, District One
ReCarlos Williams, District Two
Algin Merritt, District Three
George Williams, District Four

Cory J. Thomas, City Manager
Kesha C. Lavette, City Clerk
Ronald H. Rentz, City Attorney

September 29, 2014

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

RE: Use of Proprietary Items for
Milford Street/Phillipsburg Road Sidewalks/Walking Lanes, Miller County
PI: 0009111, Project Number CSTEE-0009-00(111)

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 Colquitt's Transportation Enhancement Project, PI# 0009111, CSTEE-0009-00(111), the following proprietary items are proposed for use:

Light Poles

Manufacturer: Shakespeare Composite Structures
Model: AP17-16FG11W1
Quantity in Project: 26
Total Estimated Cost for Light Poles: \$48,100.00

Post: Washington

Luminaries

Manufacturer: Cooper Lighting
Model: ANE15SR2335
Quantity in Project: 26
Total Estimated Cost for Luminaires: \$24,700.00

Luminaire: Acorn

Total Estimated Cost for Proprietary Items: \$72,800.00

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 \$420,207.33. The cost of \$72,800.00 for proprietary items represents 17% of the estimated construction costs.

I, Cory Thomas, City Manager of the City of Colquitt 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 and for compatibility with the City of Colquitt's Design Guidelines.

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

Sincerely,



Cory Thomas
City Manager
City of Colquitt

Attachments to include:

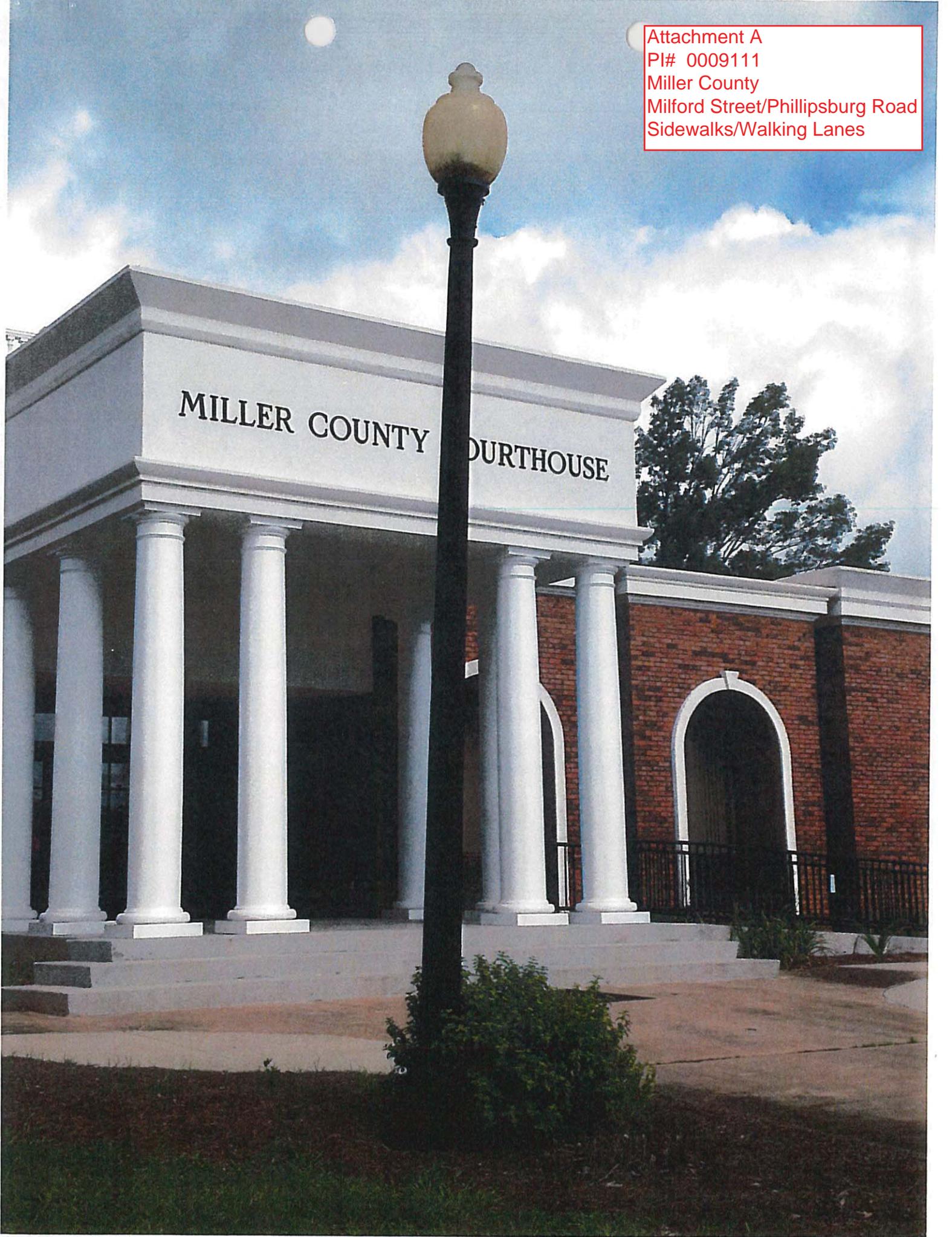
- A. Photos of existing Light Poles and Luminaries.
- B. Manufacturer details for each proprietary item:
 - Luminaire: Acorn by Cooper Lighting
 - Pole: Washington Style, 17" Anchor Base, 16' mounting height with Fluted Shaft by Shakespeare Composite Structures

Attachment A

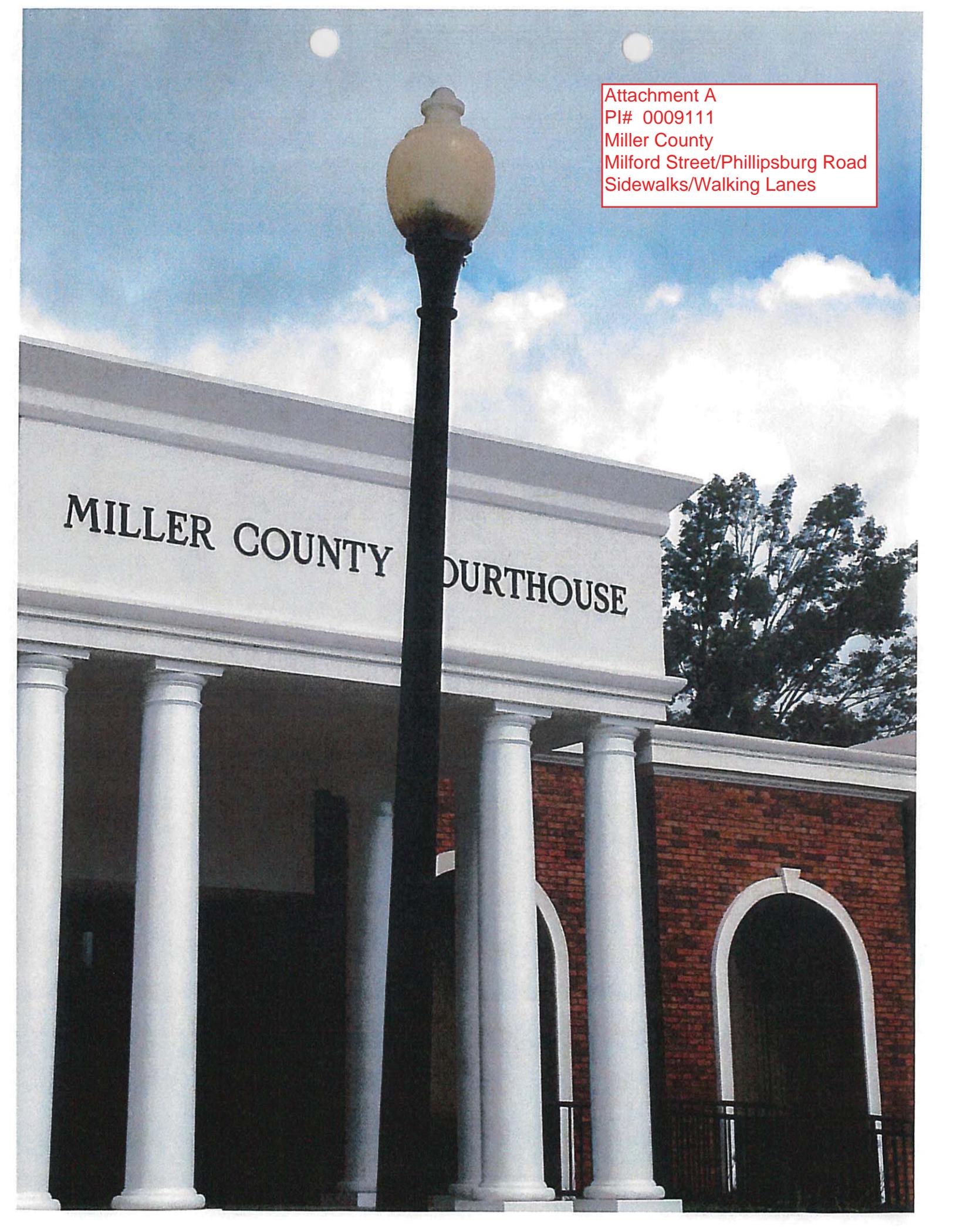
Photos of Existing Light Poles and Luminaries

Attachment A
PI# 0009111
Miller County
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes

MILLER COUNTY
COURTHOUSE

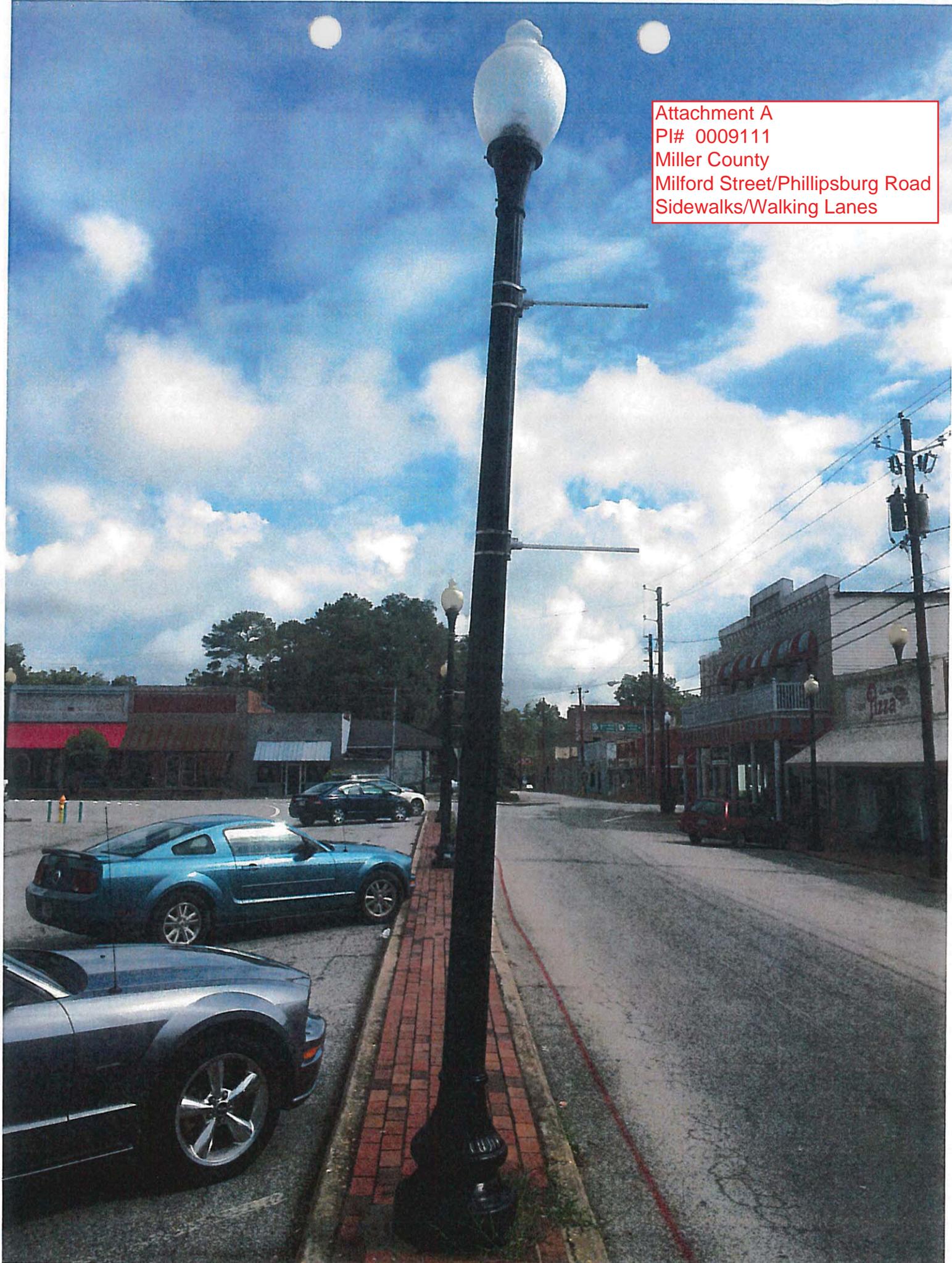


Attachment A
PI# 0009111
Miller County
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes

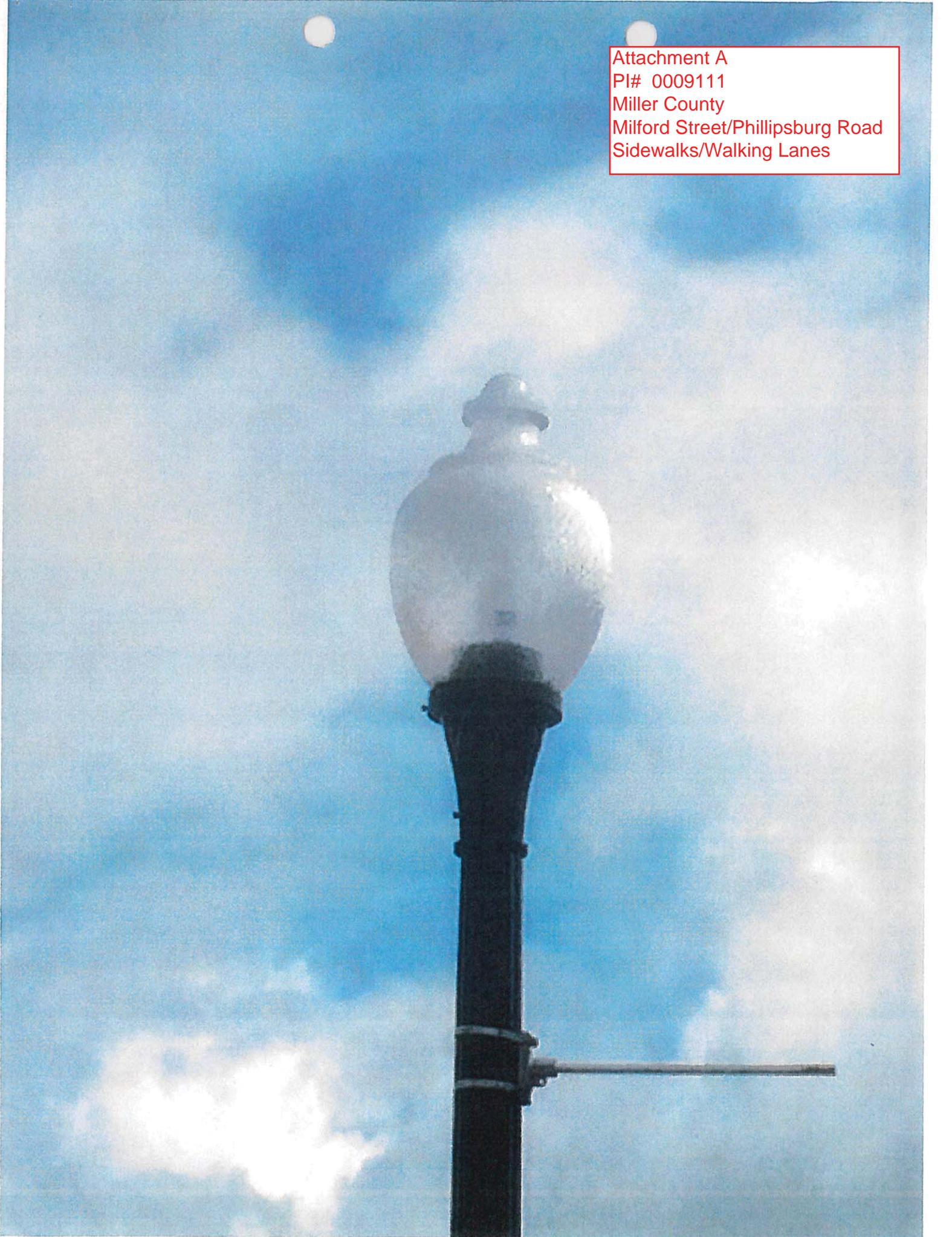
A photograph of the Miller County Courthouse. The building features a portico with several white columns. The words "MILLER COUNTY" and "COURTHOUSE" are inscribed on the frieze above the columns. A black lamppost with a white globe stands in the foreground. The sky is blue with scattered white clouds. A brick wall with arched openings is visible to the right of the columns.

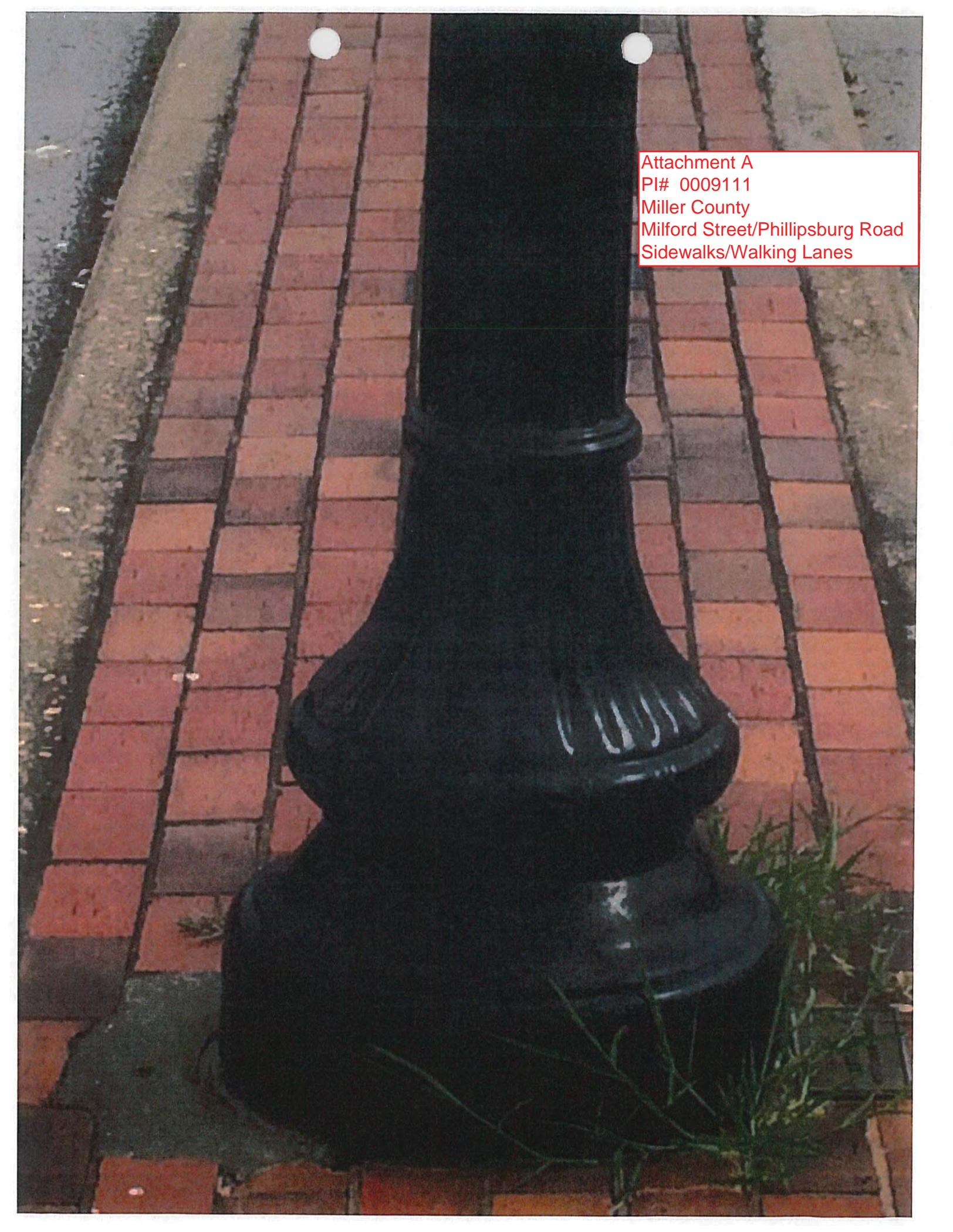
MILLER COUNTY COURTHOUSE

Attachment A
PI# 0009111
Miller County
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes



Attachment A
PI# 0009111
Miller County
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes



A black, ornate utility pole base is mounted on a brick sidewalk. The base has a decorative, fluted design. The sidewalk is made of red and brown bricks. There are two white circular marks on the top edge of the image. A text box in the upper right corner contains the following information:

Attachment A
PI# 0009111
Miller County
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes

Attachment B

Manufacturer Details for Each Proprietary Item:

Luminaire: Acorn by Cooper Lighting

Pole: Washington Style, 17" Anchor Base, 16' Mounting Height with Fluted Shaft by
Shakespeare Composite Structures

DESCRIPTION PI#: 0009111, Miller County

The Acorn tastefully compliments roadways, parks and residential roadways.

Attachment B
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Cast aluminum housing. Standard with two position terminal block. Standard color is black. Other finish colors available. Consult your Streetworks Representative. 1" ANSI wattage/source label.

Electrical

SOCKET: Mogul-base socket for 50W through 150W High Pressure Sodium and 175W and 250W Metal Halide; 50W through 150W Metal Halide is medium-base socket. All sockets are 4KV pulse rated.
BALLAST: Easily accessible, tilt-back power module. Standard plug-in starter when applicable.
PHOTOCONTROL: Optional NEMA twistlock photocontrol receptacle also available.

Optical

GLOBE: 8" textured polycarbonate globe is standard. Optional globes include a 9" polycarbonate, 8" and 9" milk white, and 8" and 9" acrylic (Optional internal Type III refractor available).

Mounting

Post-top mount fits 3" tenons. Secures with three (3) square headed 1-1/4" polymer coated mounting bolts.

Finish

Standard polyester powder coat finish in black. Standard color is black. Optional bronze, white, grey, hartford green, dark platinum and graphite metallic finishes are available.



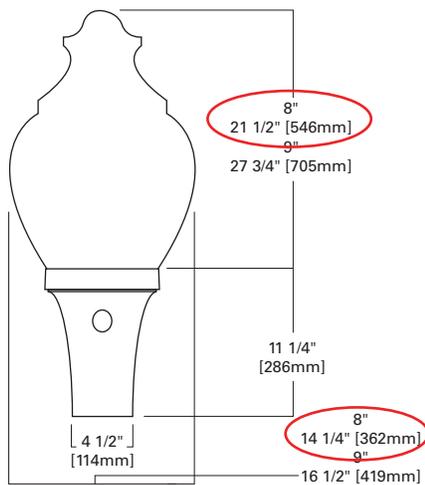
**ANE
ACORN**

50 - 250W

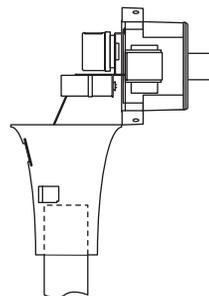
**Pulse Start Metal Halide
High Pressure Sodium
Metal Halide**

DECORATIVE LUMINAIRE

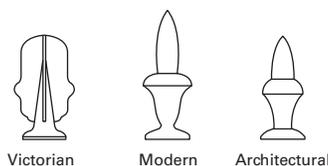
DIMENSIONS



TILT-BACK POWER MODULE



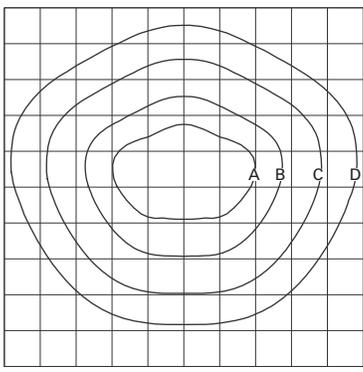
FINIAL OPTIONS (PAINTED TO MATCH HOUSING)



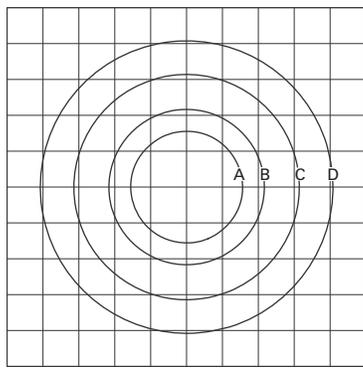
EPA
Effective Projected Area:
 1.7 Square Feet

SHIPPING DATA
Approximate Net Weight:
 30 lbs. (14 kgs.)

PI#: 0009111, Miller County
 PHOTOMETRICS (Complete IES files available at www.cooperlighting.com)



ANE15S33.IES
 150-Watt HPS
 16,000-Lumen Lamp
 Type III



ANE15S55.IES
 150-Watt HPS
 16,000-Lumen Lamp
 Type V

FOOTCANDLE TABLE

4 Select mounting height and read across for footcandle values of each isofootcandle line.
 3 Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines			
	A	B	C	D
ANE15S33.IES				
12'	1.36	0.68	0.34	0.13
14'	1.00	0.50	0.25	0.10
16'	0.76	0.38	0.19	0.07
ANE15S55.IES				
12'	1.36	0.68	0.34	0.13
14'	1.00	0.50	0.25	0.10
16'	0.76	0.38	0.19	0.07

Attachment B
 Milford Street/Phillipsburg Road
 Sidewalks/Walking Lanes

ORDERING INFORMATION

Sample Number: ANE50SR2554

ANE	15	S	R	2	33	5	
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Product Family
 ANE=Acorn

Lamp Wattage
 Pulse Start Metal Halide
 70=70W
 10=100W
 15=150W
 17=175W
 25=250W
 High Pressure Sodium
 50=50W²
 70=70W
 10=100W
 15=150W
 20=200W
 25=250W²
M (Probe Start)³
 17=175W
 25=250W

Lamp Type¹
 P=Pulse Start Metal Halide
S=High Pressure Sodium
 M=Metal Halide

Ballast Type¹
 H=Reac./HPF
 K=10KV CWA⁴
 N=Hi.Reac./NPF
 P=Hi. Reac./HPF
 R=Hi. Reac./NPF⁴
 W=CWA

Voltage¹
2=120V
 0=208V
 4=240V
 7=277V
 8=480V
 F=120/240 wired 120V
 W=Multi-Tap wired 120V
 G=120/240 wired 240V
 V=Multi-Tap wired 240V
 N=Multi-Tap wired 277V

Distribution
33=Type III
 55=Type V

Options
 CEC=California Title 20 Compliant Ballast (Applies to 175-200W Pulse Start MH only)
 1=Single Fuse (120, 277 or 347V)
 2=Double Fuse, (208, 240, or 480V)
 4=NEMA Twistlock Photocontrol Receptacle
5=Internal Button⁵ Photocontrol
 WH=White
 BZ=Bronze
 AP=Grey
 H=Hartford Green
 DP=Dark Platinum
 A=Acrylic Globe
 B=Acrylic Globe 9"
 9=9" Globe
 M=Milk White Globe
 S=Screw Secure Power Module
 N=NEMA Ballast Bracket⁶
 F=Finial
 U=U.L./CSA Listed

Accessories
 AA1000=House Side Shield (9" Globe)
 AA1001=House Side Shield (8" Globe)

- Notes: 1 Refer to the technical section for lamp/ballast voltage compatibility.
 2 Available in 120V only.
 3 Probe Start Metal Halide available for non-US markets only (175-250W).
 4 Available 50-150W. 120/240 or single voltage only.
 5 Specify single voltage.
 6 Available in Reactor HPF and NPF. For Hi Reactance or CWA availability consult your Streetworks Representative.



PI#: 0009111, Miller County

Washington Style, 17" Anchor Base and Direct Burial

THE HISTORICAL SERIES

Washington

Distinctive, classical beauty

Virtually maintenance free, durable fiberglass reinforced composite

One-piece construction

Smooth or fluted, tapered shafts

Standard or custom finishes and colors

Standard, special, premium, and architectural colors available, or any color can be matched

Gloss or semi-gloss finishes standard; custom finishes available

Mounting heights of 9, 12, or 14 feet; custom heights to 20 feet

Superior wind, loading, and environmental tolerance

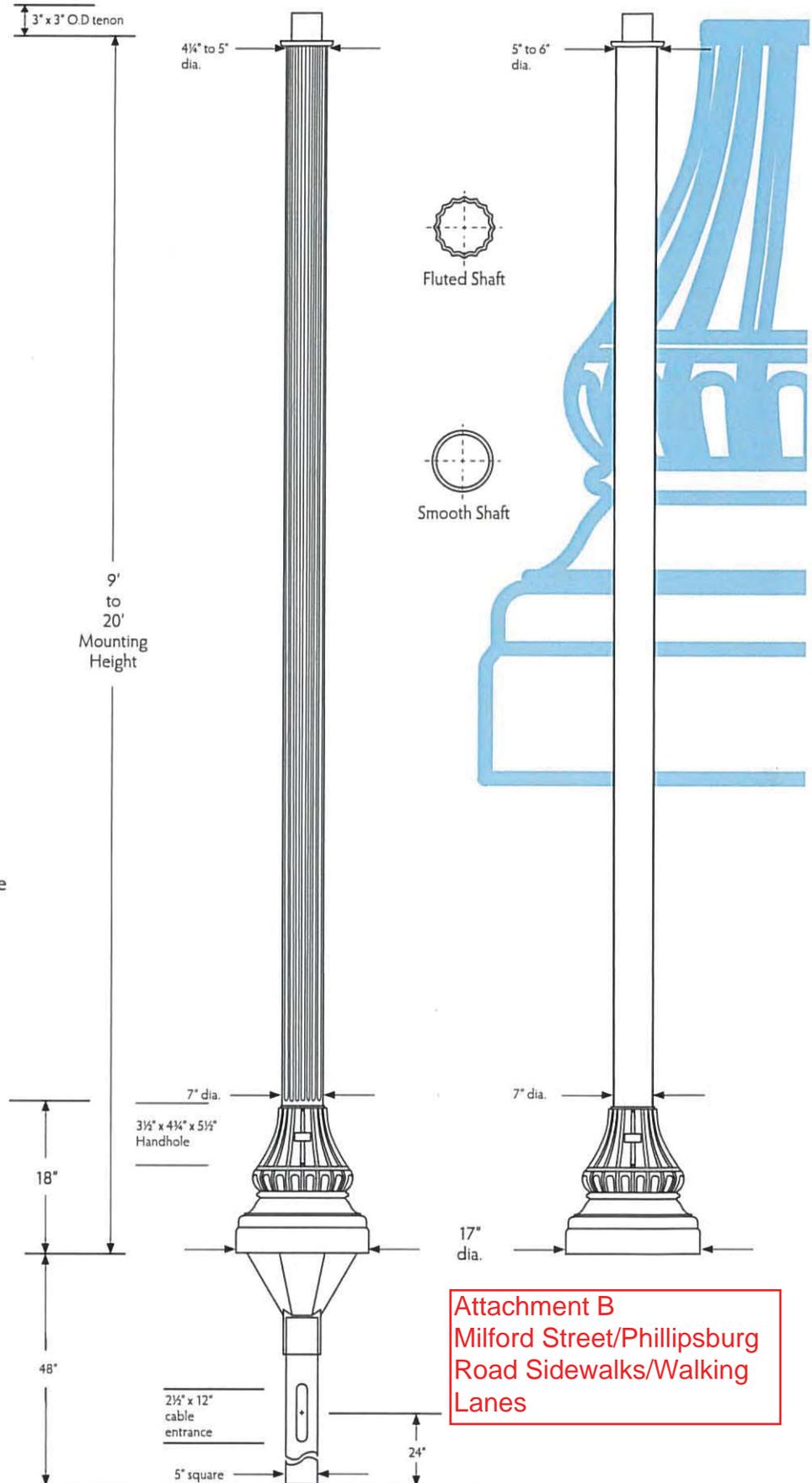
Non-conductive for safety

Molded-in color

UV and weather resistant polyurethane coating

Standard 3" x 3" dia. aluminum tenon for luminaire mounting

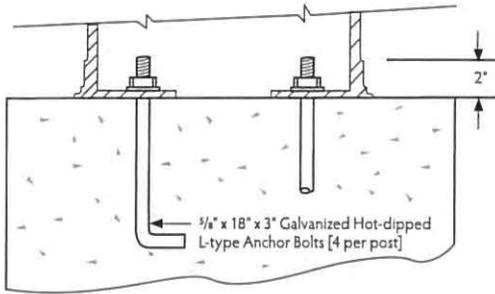
Anchor Base or Direct Burial



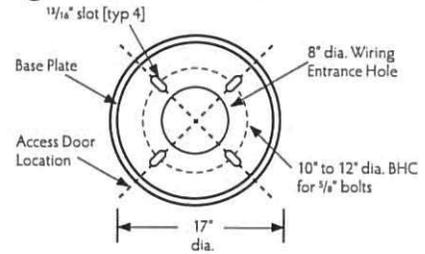
AP17 and BP17 PI#: 0009111, Miller County Washington, 17" Anchor and Direct Burial Base

All dimensions and specifications nominal, and subject to change without notice or obligation. Please contact factory before site preparation begins.

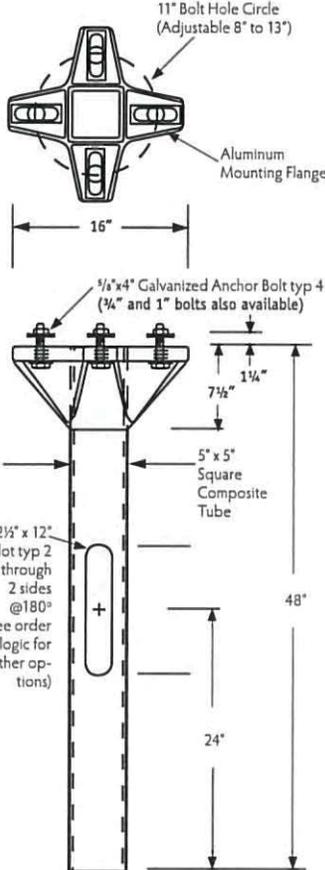
Suggested Anchorage Detail (Anchor Base)



Washington Anchor Bolt Pattern Detail



Optional Composite Burial Foot



OPTIONS

3-Bolt Base or optional Bolt Circle: contact factory.

Weatherproof receptacle mounted 9" from top of pole, 90° clockwise from handhole: add "W1" to the catalog number.

Weatherproof receptacle mounted 18" from the top of the base on the shaft, 90° clockwise to the handhole: add "W2" to the catalog number. For other receptacle options, specify or contact factory.

Banner arms, flag brackets, luminaires, and other attachments are available. Contact factory.

Decorative Twin Fixture Crossarm (Catalog number A-30) add "A1" to pole catalog number. See Arms and Brackets, Section C in this catalog, for other decorative twin arms.

Detachable Composite Burial Foot permits direct burial of foot prior to mounting. See Burial Foot brochure for specifications and catalog numbers.

How to Specify

Description: The pole shaft and base (and internal mounting flange) shall all be molded of non-corroding fiberglass reinforced composite, pigmented throughout, and finished in the same color as specified. The (fluted) shafts shall be tapered and formed with 16 flutes separated by semi-flat ribs. The (smooth) shafts shall be filament wound with a smooth, tapered surface. The base shall be shaped similar to Shakespeare Composite Structures Washington style AP17 (anchor base) / BP17 (direct burial).

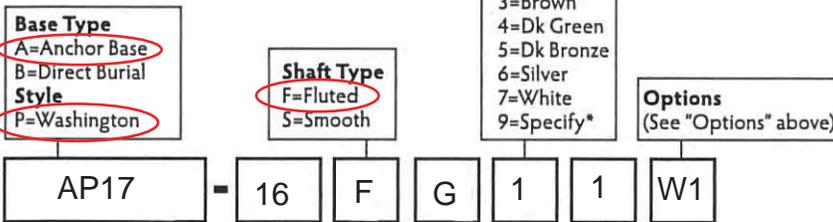
Dimensions: The pole shall be 9 to 20 feet mounting height with a 17-inch diameter base. A 3" diameter by 3" high aluminum tenon shall be provided for luminaire mounting. (Direct Burial) The direct burial foundation shall be 48" overall length and provided with a 2.5" x 12" conductor entrance centered 24" from the bottom of the direct burial base (see order logic for other options). (Anchor Base) The internal mounting flange shall be provided with four 11/16" slots to accommodate 4 anchor bolts 5/8" x 18" x 3" in a 10" to 12" bolt circle.

Construction: The shaft shall be round with a uniform taper along the fluted (smooth) shaft. A handhole with a weather resistant cover shall be provided in the base for wiring access (if anchor base) and anchorage. The opening shall be no smaller than 3.5" wide at the top by 4.75" at the bottom by 5.5" high. The cover shall be made of fiberglass reinforced composite and shall bear the manufacturer's name. The cover shall be attached with 2 stainless steel flat countersunk hex socket head screws. Threaded inserts shall be incorporated in the pole base.

The (anchor base) mounting flange shall be molded in one piece of fiberglass reinforced composite with a minimum thickness of 1/2" and shall be permanently bonded flush to the bottom of the base. Each pole shall be finished with a (glossy / semi-gloss) weather resistant polyurethane having a minimum dry film thickness of 1.5 mils.

(Add "Performance and Testing Requirements" from the Specification Data sheet on page 3.)

Catalog Numbers for Washington Style 17"



Base Dia. (in.) 17" dia.	Mounting Height (ft.) 9 to 20	Finish G=Gloss S=Semi-gloss	Direct Burial Conduit Entrance (use "1" for Anchor Base) Location from bottom of pole																		
			<table border="1"> <tr> <td></td> <td>1 ea.</td> <td>2 ea.</td> </tr> <tr> <td>None</td> <td>1</td> <td>1</td> </tr> <tr> <td>12"</td> <td>2</td> <td>3</td> </tr> <tr> <td>18"</td> <td>4</td> <td>5</td> </tr> <tr> <td>24"</td> <td>6</td> <td>7</td> </tr> <tr> <td>Other (specify)</td> <td>0</td> <td>0</td> </tr> </table>		1 ea.	2 ea.	None	1	1	12"	2	3	18"	4	5	24"	6	7	Other (specify)	0	0
	1 ea.	2 ea.																			
None	1	1																			
12"	2	3																			
18"	4	5																			
24"	6	7																			
Other (specify)	0	0																			

Attachment B
Milford Street/Phillipsburg Road
Sidewalks/Walking Lanes



EPA Rating

Washington P17 style poles are engineered to withstand at least 100 mph wind forces, with luminaires up to 6.2 EPA (sq. ft.) weighing up to 150 pounds. Many Other loading options are available. For other loading requirements, contact the factory.