



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

**Georgia Division**

December 2, 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

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 SR17/SR57/Main Street – Pedestrian Upgrades project in the City of Helen, White County, Project PI # 0010684.

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

Pedestrian Lighting

Manufacturer: Amerlux Exterior

Luminaires: D342 Luminaire with Clear Acrylic lens panel with 100 watt medium socket, black finish, Type V glass refractor (Part No. D342-TA/100MH-MT-BLK-L5)

Base and Post: Hamilton Series 4" Dia Fluted, 12-ft height, Satin Black, ground fault circuit protected duplex outlet recess mounted (Part No. D38-12-BLK-GFCI-RM)

Quantity: 4

Total Estimated Cost: \$5,700

Pedestrian Bridge

Manufacturer: Contech Engineered Solutions

Bridge: Continental Bridge, Keystone Model 157'x8',

Color: Sherwin Williams Cedar Green SW4072

Quantity: 1

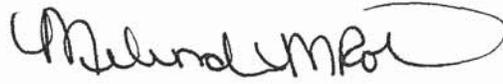
Total Estimated Cost: \$168,500

Total Estimated Cost for Proprietary Items: \$174,200

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 # 0010684, White County. The City of Helen 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,

A handwritten signature in black ink, appearing to read "Rodney N. Barry". The signature is fluid and cursive, with a large loop at the end.

 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

December 1, 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 # 0010684  
SR17/SR75 @ Chattahoochee River in Helen  
City of Helen, White County

Mr. Barry:

Please review the attached request from the City of Helen for the use of proprietary pedestrian lighting items and a pedestrian bridge along the SR17/SR75 @ Chattahoochee River Project, P.I. Number 0010684. The requested lighting items include light posts, bases, and luminaires.

The City of Helen has previously installed identical items in the project vicinity. In order to ensure aesthetic continuity within its downtown area, the City of Helen 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,

A handwritten signature in blue ink that reads "James S. Story".

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

BAS:drp

City of Helen  
Georgia's Alpine  
Village

25 Alpenrosen Strasse  
PO Box 280  
Helen, Georgia 30545  
706-878-2733  
706-878-1655 -fax  
www.cityofhelen.org



**Commissioners:**

Jeff Ash  
Dona K. Burke  
Fred Garmon  
Judy Holloway  
Helen Wilkins

**City Manager**

Jerry M. Elkins

**City Clerk**

Clerk of Court  
Marilyn Chastain

**Finance Officer**

Deputy Clerk  
Debbie Gerchman

**Chief of Police**

Jim Couch

**Public Works**

Ross Hewell

**Building/Zoning**

Director

Larry Krul

**November 13, 2014**

**Ms. Jeanne Kerney**

**Project Manager**

**Moreland Altobelli Associates, Inc.**

**2211 Beaver Ruin Road, Suite 190**

**Norcross, GA 30071**

**RE: Use of Proprietary Items for  
SR 17/SR 75 @ Chattahoochee River in Helen  
PI 0010684, White 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 the City of Helen's Transportation Enhancement Project, PI 0010684, the following proprietary items are proposed for use:

**Pedestrian Lighting**

**Manufacturer: Amerlux Exterior**

**Luminaires: D342 Luminaire with Clear Acrylic lens panel with 100 watt medium socket, black finish, Type V glass refractor (Part No. D342-TA/100MH-MT-BLK-L5)  
Base and Post: Hamilton Series 4" Dia Fluted, 12-ft height, Satin Black, ground fault circuit protected duplex outlet recess mounted (Part No. D38-12-BLK-GFCI-RM)**

**Quantity in Project: 4**

**Total Estimated Cost: \$5,700**

**Pedestrian Bridge**

**Manufacturer: Contech Engineered Solutions**

**Bridge: Continental Bridge, Keystone Model 157'x8', color Sherwin Williams Cedar Green SW4072**

**Quantity in Project: 1**

**Total Estimated Cost: \$168,500**

Proprietary Items Request  
PI# 0010684, White County  
November 13, 2014  
Page 2 of 6

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

The estimated total construction cost for the project is \$422,300.00. The cost of \$174,200 for proprietary items represents 41% of the estimated construction costs.

The Pedestrian Lighting designated by the City of Helen Design Guidelines is the ones that are being used in the construction drawings. These products have been installed around the City of Helen, including along Main Street, and adjacent to the proposed project. These products will also be used in all future streetscape enhancement projects in the City of Helen.

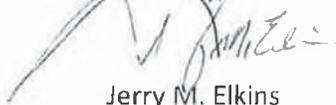
The Pedestrian Bridge product has been previously installed on the opposite side of the Main Street bridge from the proposed pedestrian bridge, and was partially funded through GDOT State Aid (TSAPO-S010-00(544)C1 White).

All of these products were approved by the City of Helen. On the construction plans, we have exhibited the product information and contact information for each product's manufacturer. We also attached photographs of existing areas with the products in use.

I Jerry M. Elkins, City Manager, of The City of Helen do hereby certify that in accordance with the requirement 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 city and for compatibility with the City of Helen Design Guidelines.

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

Sincerely,



Jerry M. Elkins  
City Manager

Proprietary Items Request  
PI# 0010684, White County  
November 13, 2014  
Page 3 of 6

City of Helen

**Attachments:**

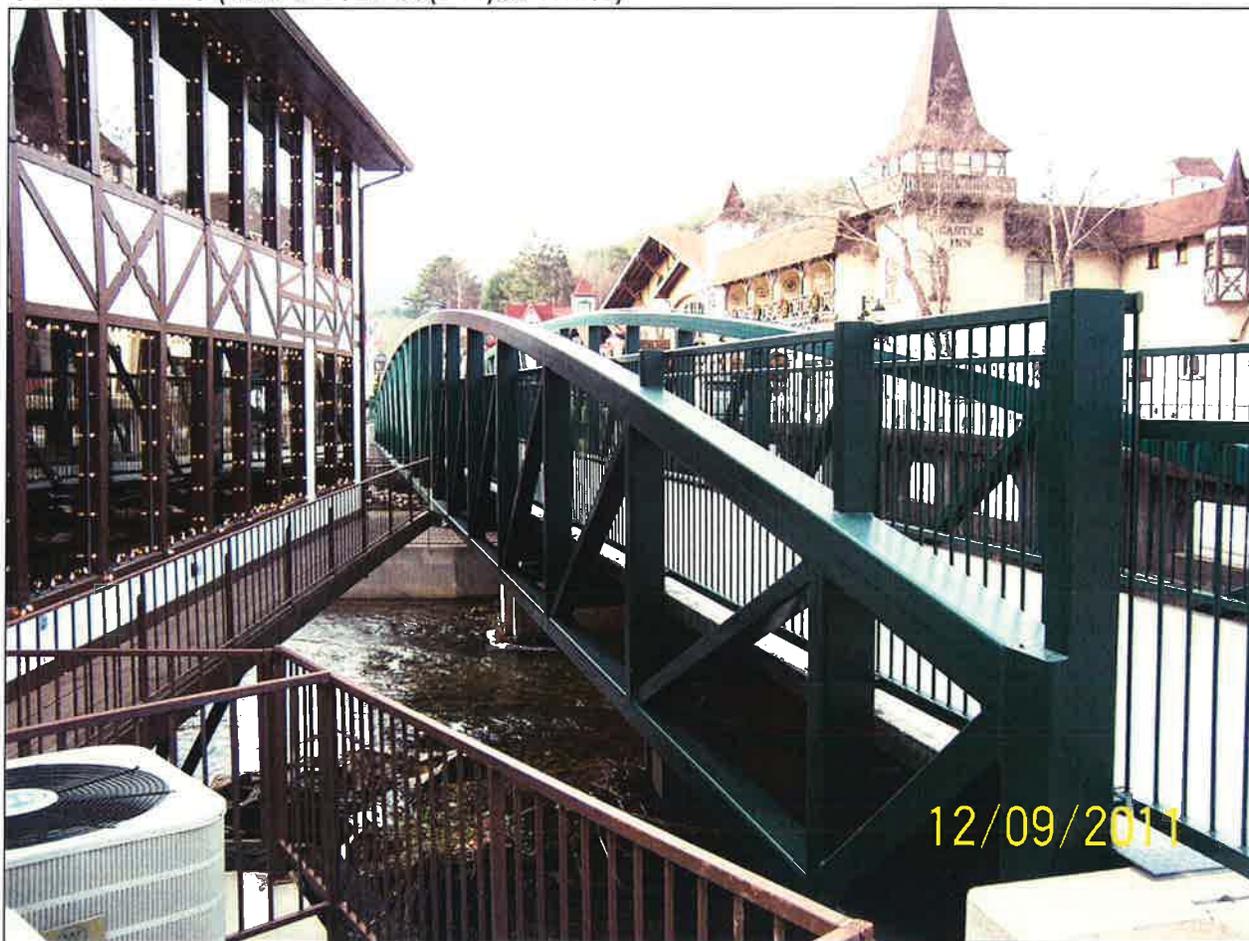
**Photos of existing lighting and pedestrian bridge  
Manufacturer details for each proprietary item.**

GDOT State Aid (TSAPO-S010-00(544)C1 White)



Existing Pedestrian Lighting and Pedestrian Bridge in use. The Proposed bridge and lights will be located on the opposite side of the Main Street bridge.

GDOT State Aid (TSAPO-S010-00(544)C1 White)



Existing Pedestrian Bridge in use.

GDOT State Aid (TSAPO-S010-00(544)C1 White)



Existing Pedestrian Lighting in use.

**Description**

The D342 Luminaire is a medium scale traditionally styled eight sided cast aluminum spiked lantern. Textured or prismatic acrylic lenses may be used for standard symmetrical distribution. A Type III (L3) or Type V (L5) borosilicate glass refractor may be used with Clear Acrylic (CA) lens panels for optimal light distribution.

**Installation**

The luminaire will mount to a 3" OD post or tenon with 5/16" black oxide coated stainless steel set screws to ensure a solid connection.

**Electrical**

- High power factor ballast (HPF), core and coil type, pre-wired and tested
- Easy ballast pod access
- 4KV Pulse rated porcelain socket
- Suitable for wet location

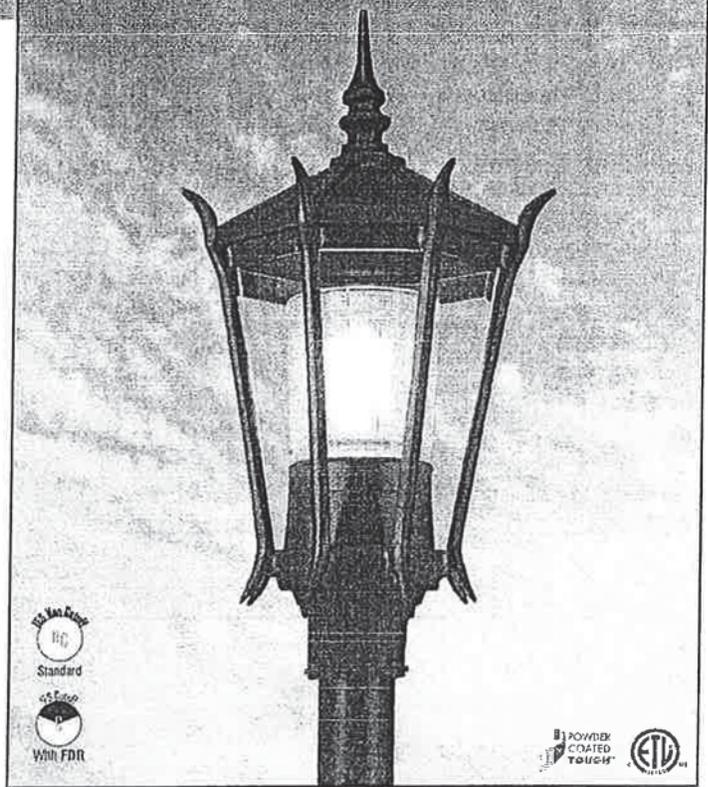
**Lens**

- Textured Acrylic (TA)
- Clear Acrylic (CA)

**Finish**

Premium quality thermoset polyester powdercoat (see Finish Selection)

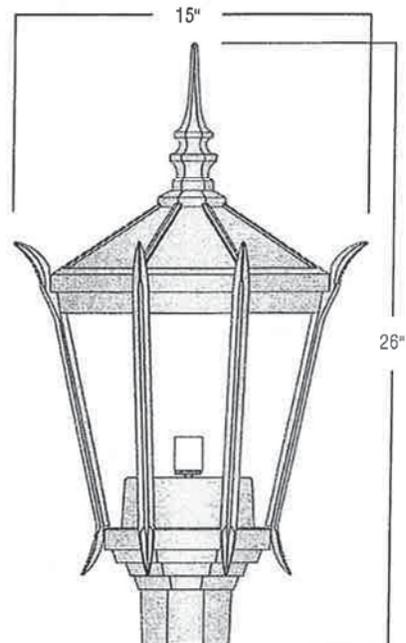
D342 (CA) - L6  
EPA 1:22



**Ordering Guide**

Luminaire	Lens	Light Source	Voltage	Finish	Option
D342	(CA)	100HPS	120v	BLK	HSS
	TA	100MH	208v	CLB, GRN	L3, L5
	PA	PL-13, (2) PL13	240v	WHT, TBK	LVR, FDR
		CFL26, CFL32	277v	ATC, GTG	PCL, HG
		CFL42			

Additional light sources, voltages, and custom colors are available. Contact factory for details.



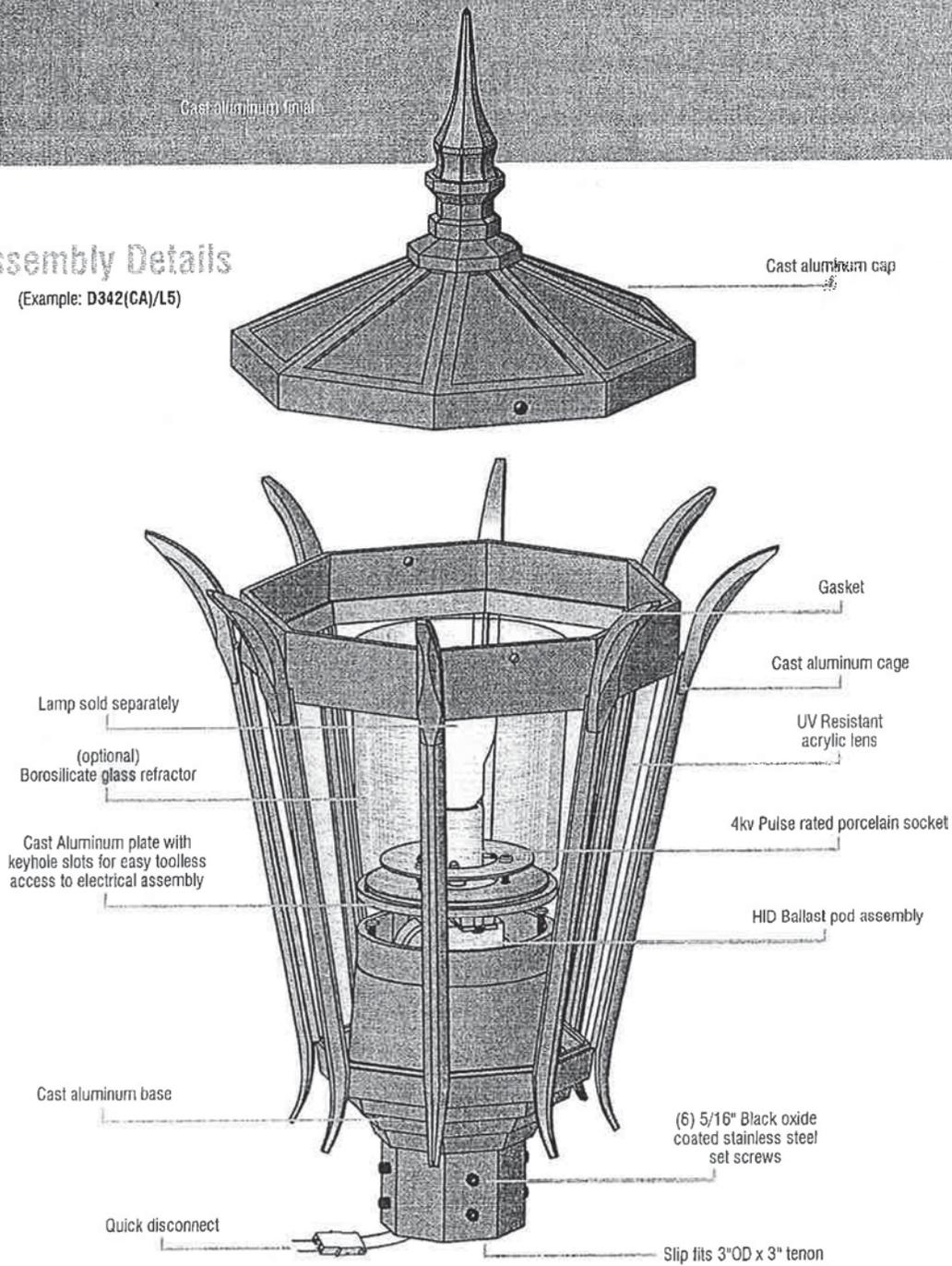
Light Sources	
Wattage	Socket Type
50MH, 70MH, 100MH	Medium
50HPS, 70HPS, 100HPS	Medium
PL-13	2-pin
CFL 26, 32, or 42	4-pin

D342

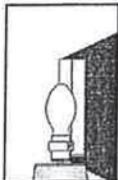
Cast aluminum finial

### Assembly Details

(Example: D342(CA)/L5)



#### Options



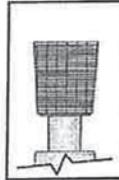
**HSS**  
House Side Shield  
for use with  
Optical Systems



**FDR**  
Faceted  
Downlight  
Reflector



**LVR**  
4 Tier  
Anodized  
Aluminum  
Louver

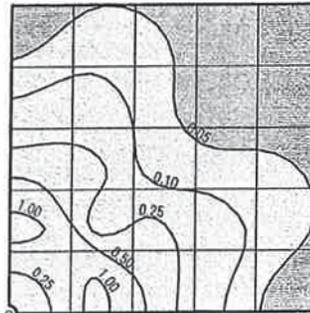


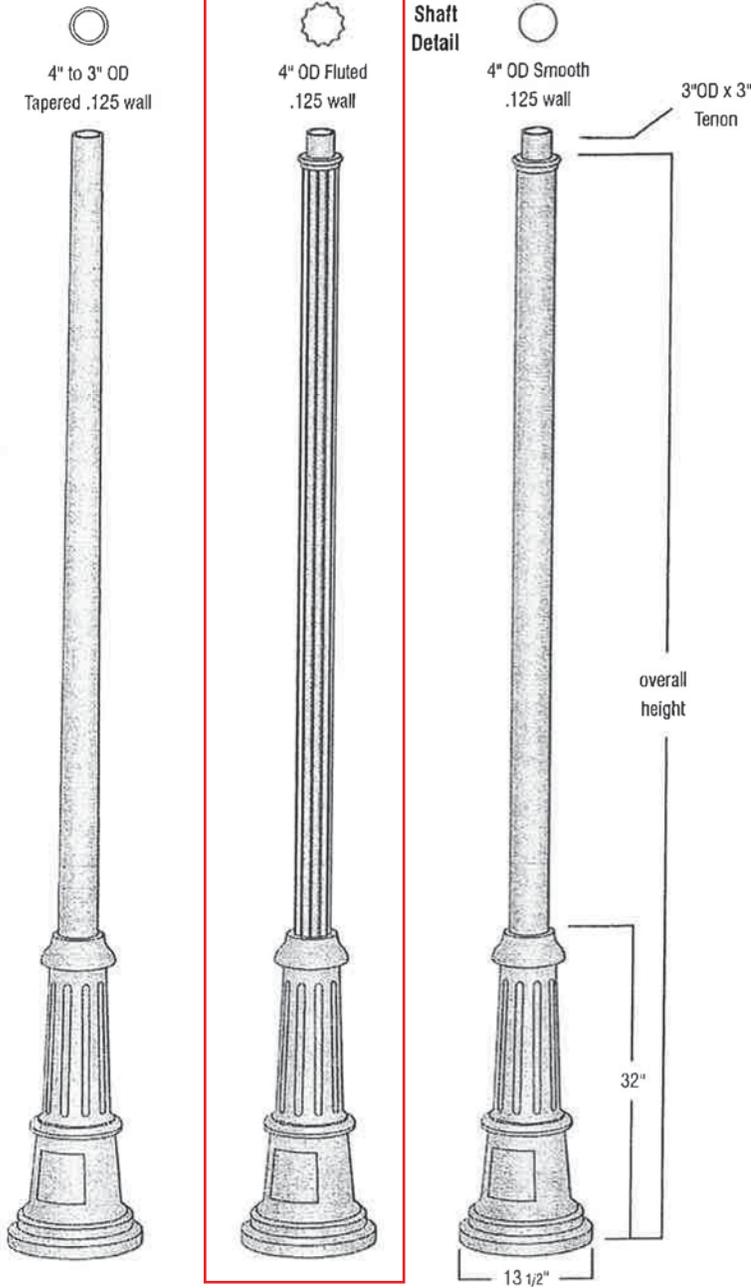
**L3 or L5**  
Type III (L3) or  
Type V (L5)  
Glass Refractor

#### Standard Photometry

**D342(CA)**

Typical HID light source  
8500 Lumen  
12' Mounting Height  
Grid Spacing is 12'





**Features**

13 1/2" diameter cast aluminum fluted base (.250 min. wall)

Choice of extruded shafts (.125 wall)  
 4" OD smooth round  
 4" OD fluted (12 flat flutes)  
 4" to 3" tapered

Extruded shaft is circumferentially welded to the base

3" tenon for luminaire mounting

Strong yet lightweight for ease of installation

Galvanized anchor bolts included

Access door for anchor bolts and wiring is secured with tamper resistant stainless steel screws

Ground lug provided inside base

Capable of supporting multiple light brackets

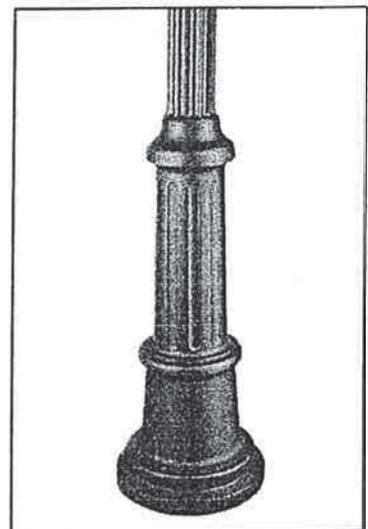
**Materials**

**Base** - Cast aluminum (A319)

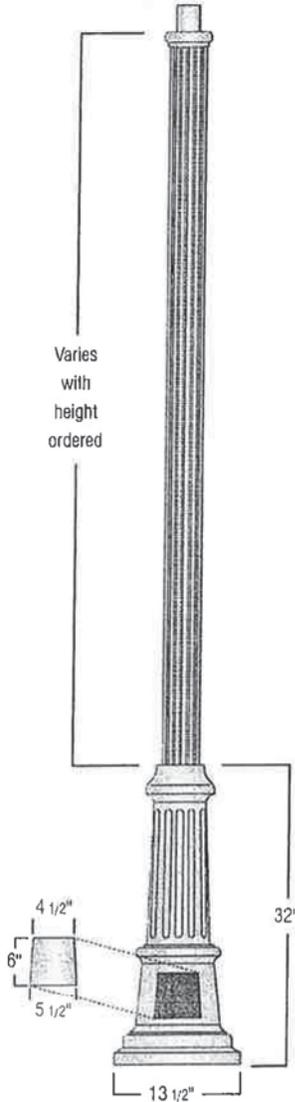
**Shaft** - Extruded Aluminum (6005-T5)  
 Tapered Aluminum (6063-T6)

**Tenon** - Cast aluminum (A319)

**Anchor Bolts** - Hot dipped galvanized steel



D37-xx	D38-xx	D39-xx	overall height
D37-08	D38-08	D39-08	7'-9"
D37-10	D38-10	D39-10	9'-9"
D37-12	D38-12	D39-12	11'-9"
D37-14	D38-14	D39-14	13'-9"
D37-15	D38-15	D39-15	14'-9"



**Finish**

The post will be finished with an electrostatically applied thermoset polyester powder coat. Prior to finishing, the parts are thoroughly cleaned using both abrasive and chemical methods. Our powder coat finish is durable, long lasting, attractive and scratch resistant as well as environmentally friendly. We offer 7 stock finishes or hundreds of special order colors including custom matching for existing projects (stock colors shown below).

Standard solid colors are:  
**GRN** - Green  
**CLB** - Classic Bronze  
**TBK** - Textured Black  
**BLK** - Satin Black

Premium finishes are:  
**GTG** - Granite Green  
**ATC** - Antique Copper  
**WHT** - White

**Accessories** See "Accessories" section for more information



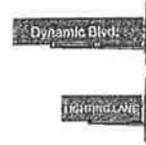
**PCL**  
 Dusk to dawn photocell  
 Available for 120v (PCL)  
 or 208-277v (PCL multi).



**Banner Arms**  
 Field rotatable  
 or fixed location  
 banner arms.



**GFCI**  
 Ground fault circuit  
 protected duplex outlet.  
 Available Recess  
 mounted (GFCI-RM) as  
 shown or surface mount  
 (GFCI-SM).



**Street Signage**  
 Several mounting  
 options and custom  
 signs available. See  
 guide in accessories  
 section.



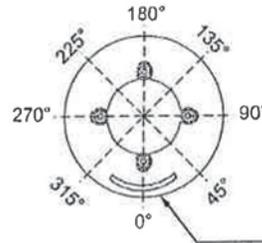
**LR**  
 Cast aluminum decorative  
 ladder rest. Slip fits 3"o.d.  
 pole or tenon (not  
 designed to support  
 ladder).



**FPH-4**  
 Extruded aluminum  
 holder for 1" OD flag  
 poles. Available for  
 4" OD non-tapered  
 pole.

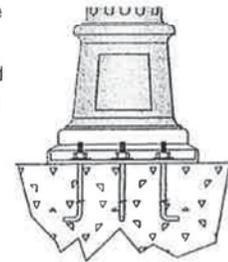
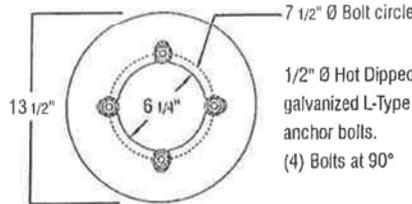
**Accessory Orientation Guide**

As viewed  
 from above



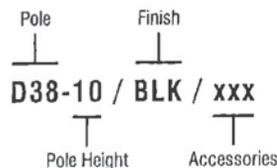
Must specify  
 orientation of  
 accessories when  
 ordering.

**Anchor Details**

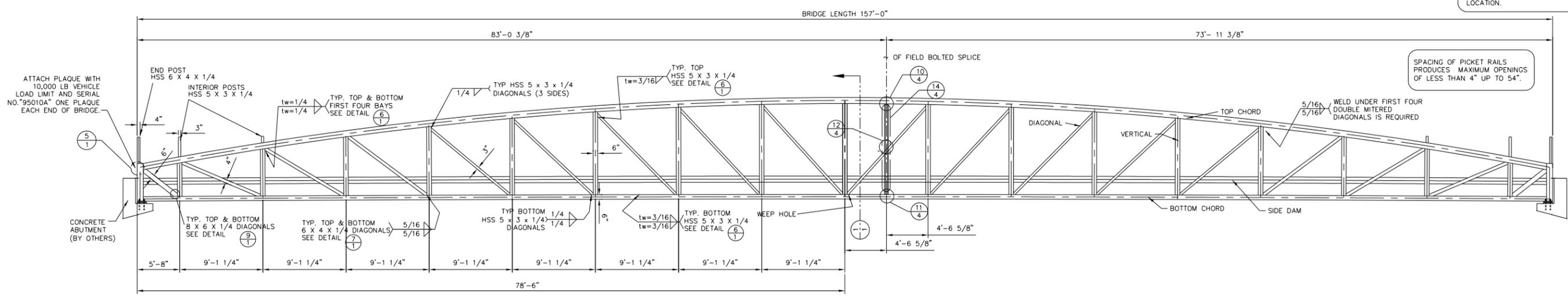


Anchor bolts and templates can be requested prior to product shipment.

**Ordering Guide**

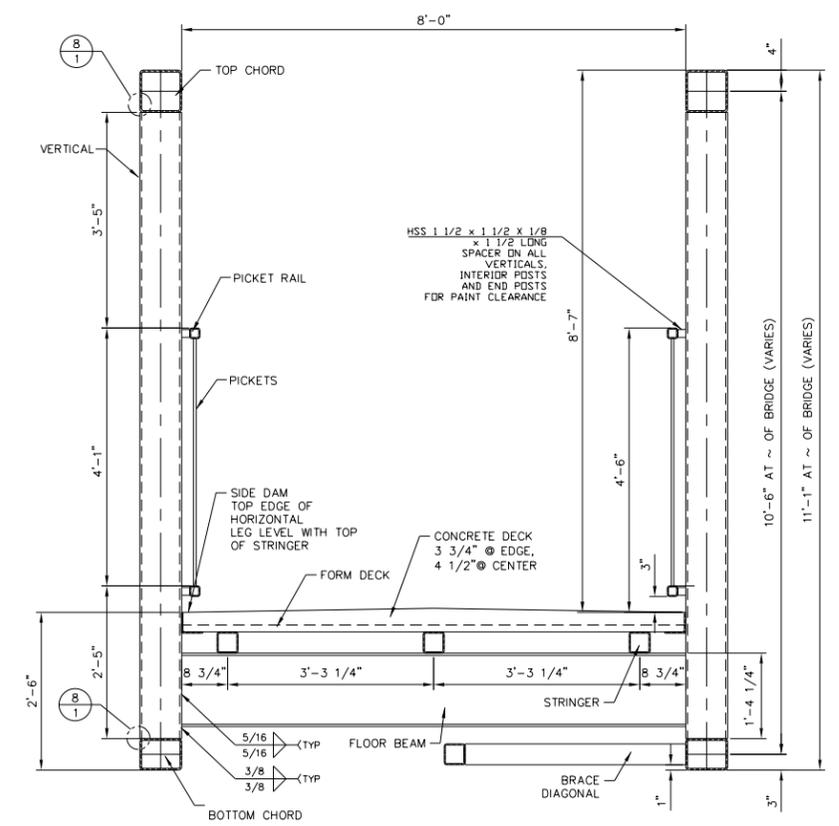


SAFETY RAIL NOT SHOWN IN ELEVATION. SEE BRIDGE SECTION FOR QUANTITY AND LOCATION.



BRIDGE ELEVATION

SHOP NOTE: EXTEND STRINGERS FROM 72'-11 3/8" SECTION TO MAKE IT LONGER



BRIDGE SECTION

SCHEDULE OF MEMBER SIZES

TOP CHORD	HSS 8 x 8 x 3/8
BOTTOM CHORD	HSS 8 x 6 x 3/8
VERTICAL	HSS 8 x 6 x 3/8
END VERTICAL	HSS 8 x 8 x 3/8
DIAGONAL	HSS 5 x 3 x 1/4 *
BRACE DIAGONAL	HSS 4 x 4 x 1/4
FLOOR BEAM	W 14 X 34
END FLOOR BEAM	HSS 12 x 8 x 3/8
STRINGERS	HSS 4 x 4 x 1/4
SIDE DAM	4 x 4 x 1/4
END DAM	C 4 X 5.4
PICKET RAILS	HSS 2 x 2 x 1/4
PICKETS	1/2" Ø ROUND BAR
END STRUT	HSS 8 x 6 x 3/8

\* USE HSS 8 x 6 x 1/4 AT FIRST BAY, HSS 6 x 4 x 1/4 AT 2ND, 3RD, & 4TH BAYS. DOUBLE MITER FIRST FOUR DIAGONALS - EACH END.



ALEXANDRIA, MN 320-852-7500



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GHM	2/27/09	A	REVISED COVER PLATE DETAIL AND ADDED CONCRETE DECK END DAM
REV. BY:	DATE:	LEVEL:	REVISION:

157'-0" X 8'-0" KEYSTONE MODEL  
 CITY OF HELEN SHERWIN WILLIAMS  
 PEDESTRIAN BRIDGE CEDAR GREEN SW4072  
 HELEN, GA

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF GEORGIA

DATE:  
 REG. NO. PE030332

DESIGNED BY: GHM	DRAWN BY: GHM	CHECKED BY: AKH	APPROVED BY: AKH
DATE: 2/16/09	SHEET NO. 1 OF 4	JOB # 95010A	