

**City of Fayetteville Staff Review Form**

**2015-0061**

**Legistar File ID**

**February 17th, 2015**

City Council Meeting Date - Agenda Item Only  
N/A for Non-Agenda Item

Matt Mihalevich

1/30/2015

Engineering /  
Development Services Department

**Submitted By**

**Submitted Date**

**Division / Department**

**Action Recommendation:**

Approval of a resolution awarding Bid 15-17 and authorizing the purchase of fiberglass trail light poles from Alliance Composites, Inc. in various amounts, through the end of calendar year 2015.

**Budget Impact:**

Various		Various	
Account Number		Fund	
Various		Various	
Project Number		Project Title	
<b>Budgeted Item?</b>	Yes	Current Budget	\$ -
		Funds Obligated	\$ -
		Current Balance	\$ -
<b>Does item have a cost?</b>	Yes	Item Cost	
<b>Budget Adjustment Attached?</b>	No	Budget Adjustment	
		Remaining Budget	\$ -

V20140710

Previous Ordinance or Resolution # \_\_\_\_\_

Original Contract Number: \_\_\_\_\_

Approval Date: \_\_\_\_\_

Comments: The "item cost" and "current budget" boxes have been left blank because these items will vary depending upon the Transportation and Engineering Division's needs for lighting projects based on construction projects approved.



# CITY COUNCIL AGENDA MEMO

## MEETING OF FEBRUARY 17<sup>TH</sup> 2015

**TO:** Mayor and City Council

**THRU:** Don Marr, Chief of Staff  
Terry Gulley, Transportation Services Director  
Chris Brown, City Engineer

**FROM:** Matt Mihalevich, Trails Coordinator

**DATE:** January 30<sup>th</sup>, 2015

**SUBJECT: Fiberglass Trail Light Pole Purchase – Equipment Only**

### RECOMMENDATION:

Approval of a resolution awarding Bid 15-17 and authorizing the purchase of fiberglass trail light poles from Alliance Composites, Inc. in various amounts, through the end of calendar year 2015.

### BACKGROUND:

Several City trail projects are planned to include lighting over the year. These projects include the extension of Frisco Trail through Walker Park to the Town Branch Trail, The Town Branch Trail from Greathouse Park to the Tsa La Gi Trail, Mud Creek Trail and Van Asche extension from Gregg Ave to Garland Ave. Anticipated quantities and installation date are shown below.

Trail Name	Estimated Quantity	Estimated Installation Date
Frisco/Town Branch	52	March 2015
Van Asche	49	May 2015
Town Branch	90	December 2015
Mud Creek	159	December 2015

In order to get the best price on these lights and poles, these planned projects have been combined for an estimated total purchase of 350 trail light poles and fixtures through the end of calendar year 2015. Electrical conduit is being installed on the Frisco Trail and Van Asche extension in preparation for installation of lighting along these new trails.

### DISCUSSION:

Continental Pole & Lighting was the low bidder of this contract; however, their bid has been deemed non-responsive since the proposed fiberglass pole does not meet the specification of the bid, as detailed below.

The fiberglass trail light poles will match the standard black pole with decorative base seen along most of the trail system. The specified pole has a high density polyurethane base cover with an estimated 15 pound weight. This heavy duty base cover is designed to resist damage from mowers and weed eaters. In addition, the specified pole has a surface layer thickness of

12 mm of UV resistant resin. The apparent low bidder, Continental Light & Pole provided a submittal that does not meet the specifications. The pole submittal from Continental shows a fiberglass base cover instead of the specified polyurethane and only 2 mm of paint instead of the 12 mm of UV resistant resin specified. The second low bidder, Alliance Composites meets all specifications, therefore, Staff recommends award to the second lowest bidder, Alliance Composites, Inc. for \$450.00 each, only \$12 per pole higher than the lowest bidder while receiving a superior product

**BUDGET/STAFF IMPACT:**

Funds for the purchase of trail light poles has been budgeted through the Trail Development Capital Improvement Program and the Transportation Bond Program. The Frisco and Town Branch trails are also being matched 50:50 with funding from the Walton Family Foundation.

**Attachments:**

Staff Review Form

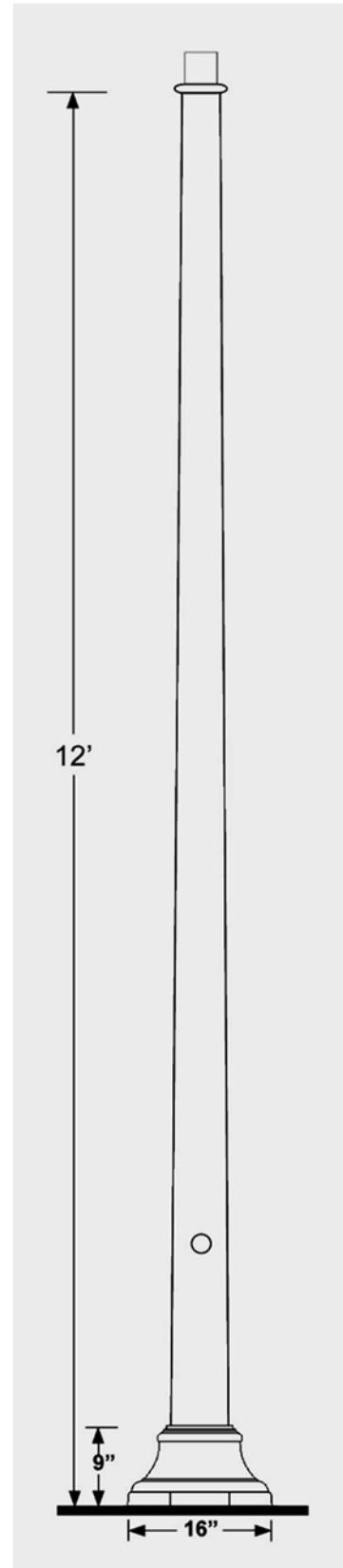
Continental Pole Submittal – Does not meet specification

Alliance Composites, Inc. Submittal

Bid 15-17, Trail Lighting – Equipment Only Bid tabulation

Purchase Requisition – Alliance Composites

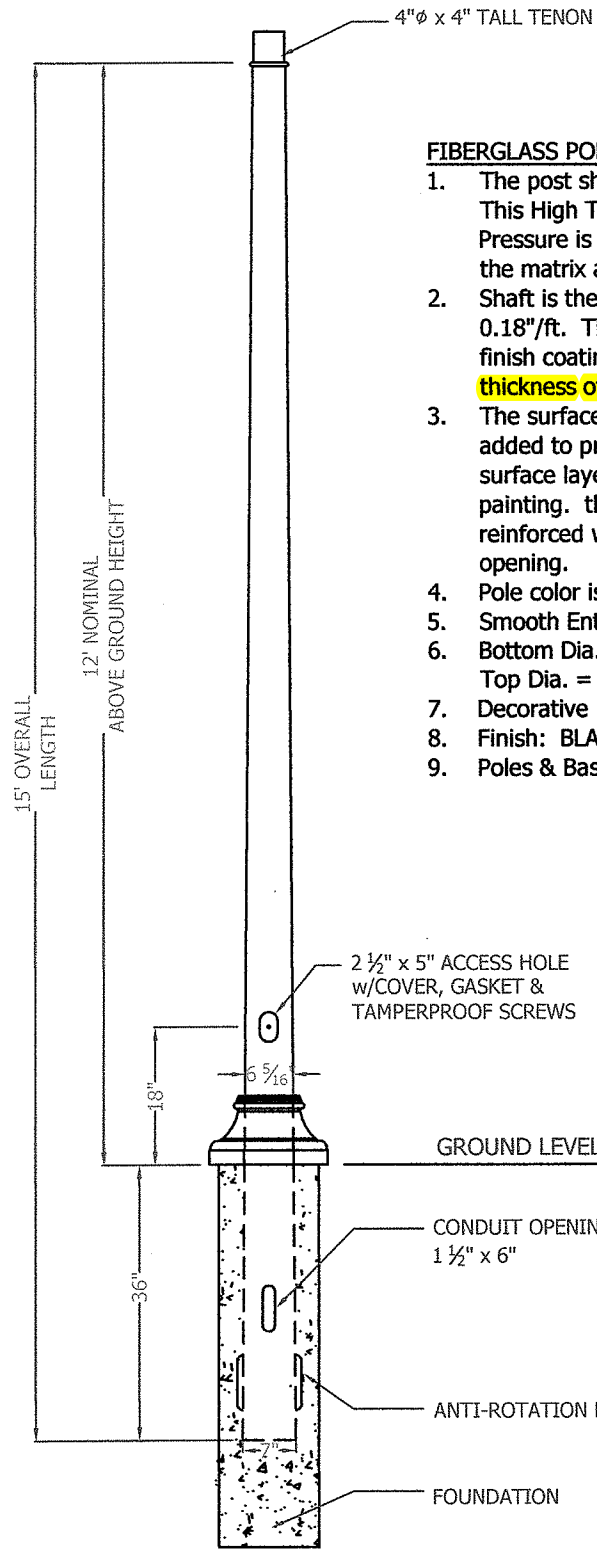
# Fayetteville Trails Standard Light Fixture and Pole Example



A B C D E F

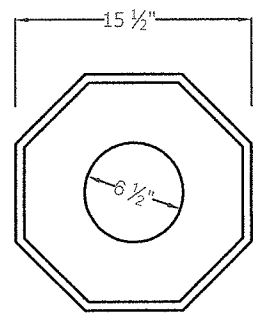
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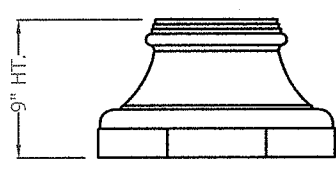


**FIBERGLASS POLE SPECIFICATIONS:**

1. The post shall be constructed by use of HOT compressed reinforced composite. This High Temperature process allows the composite to be fully cured; High Pressure is then applied during the process to achieve the desired bonding between the matrix and fiber.
2. Shaft is then conically formed by an outer mould to achieve a constant taper of 0.18"/ft. The finished shaft consists of a structural laminate, surface layer and top finish coating. The top coating is **UV Resistant Polyurethane paint with a min. thickness of 2mm.**
3. The surface layer thickness is a minimum of 5mm with UV resistant and pigmented added to provide one more layer of ultra-violet protection. Both the structural and surface layer shall be pigmented throughout to match the color of the final surface painting. the outer surface shall have a "SMOOTH" finish. The pole shall be reinforced with an additional 3mm wall thickness to compensate for the access opening.
4. Pole color is integral to the resin fiber construction
5. Smooth Entasis Taper
6. Bottom Dia. = 7.0"  
Top Dia. = 4.3"
7. Decorative Base is made of One-Piece Reinforced **Fiberglass** "slip-over" construction
8. Finish: BLACK
9. Poles & Bases to be individually wrapped



**BOTTOM VIEW**



**F169-FG BASE**

***PART No. RTFG12DB-F169***

The use of this drawing can only be authorized by Continental Pole & Lighting or their representatives and is issued to the recipient with the understanding that it shall not be copied, duplicated, passed on to unauthorized parties, nor used for any purpose other than that for which it is specifically furnished except with Continental Pole's written permission.

**CONTINENTAL**  
P.O. BOX 12021  
PORTLAND, OR 97212

**CITY OF FAYETTEVILLE, AR  
DIRECT BURIAL LIGHT POLE**

DISTRIBUTED BY:

BID NUMBER: **15-17, TRAIL LIGHTING POLES**

SCALE: N.T.S.

DATE: JANUARY 21, 2015

A B C D E F

# STANDARD DUTY POLE

**ALLIANCE COMPOSITES INC.**

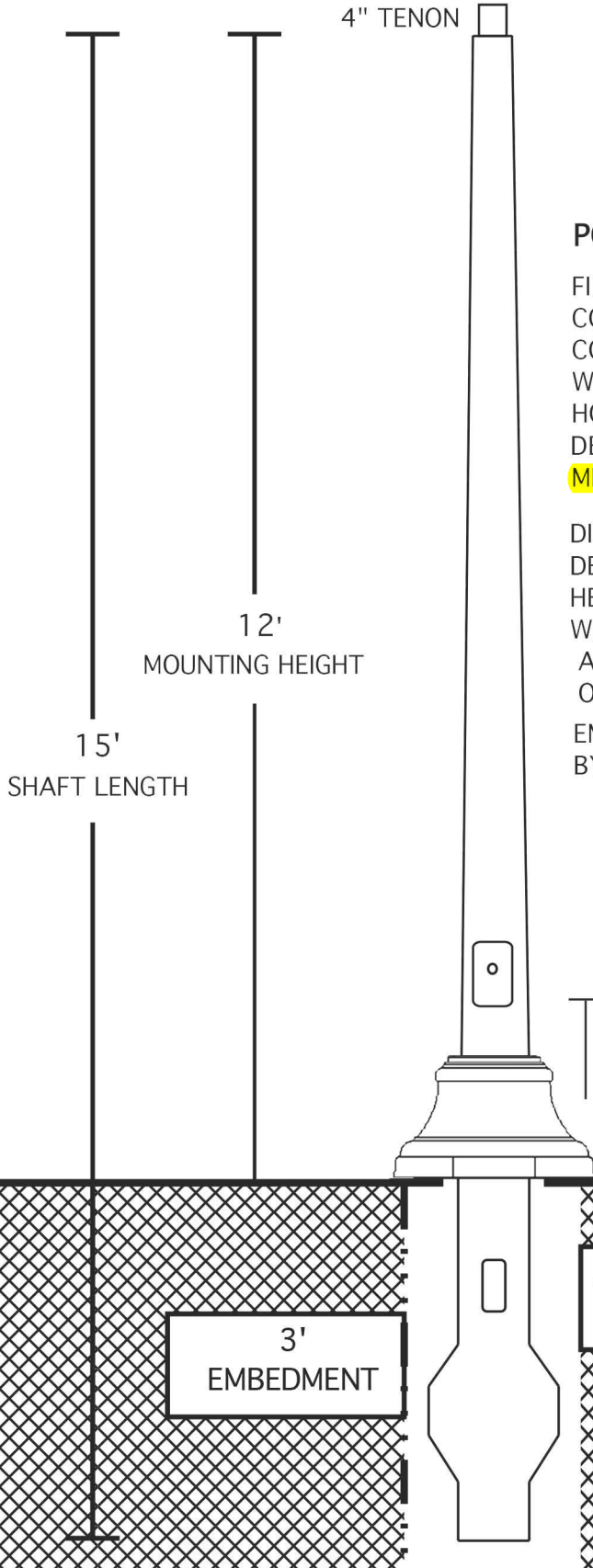
PO BOX 24

MCGAHEYSVILLE VA 22840

PURCHASE ORDER #

JOB NAME :

4" TENON



## POLE SPECIFICATIONS

FILAMENT WOUND SECTIONAL COMPOSITE SHAFT CONSISTING OF CONTINUOUS FIBERGLASS ROVING COMBINED WITH THERMOSETTING POLYESTER RESIN WOUND IN LOW ANGLE HELICALS AND HIGH ANGLE HOOPS PROVIDING FOR MAXIMUM RESISTANCE TO DEFLECTION AND SHEAR. **POLE FINISH IS A 10 TO 15 MIL THICK POLYURETHANE FINISHING RESIN**

DIRECT BURIAL POLE ASTM 4923 CLASS 1 (POLE TOP DEFLECTION SHALL NOT EXCEED 15% OF THE ABOVE HEIGHT @MAX WIND LOADING AND MAX FIXTURE WEIGHT) DESIGN CRITERIA PER AASHTO LTS-2-S-2009 AND ANSI C136.20-1990 WITH A MIN SAFETY FACTOR OF 2.0.

EMBEDMENT BASED ON MINIMUM DEPTH RECOMMENDED BY ANSI C136.2 SECTION 5.32 TABLE 1

REINFORCED HANDHOLE AREA

18" ABOVE GROUND LINE

**BASE IS HIGH DENSITY POLYURETHANE  
16" DIAMETER**

## SUBMITTAL DRAWING

- |  |                                  |
|--|----------------------------------|
| <input type="checkbox"/> APPROVED          | <input type="checkbox"/> BLACK   |
| <input type="checkbox"/> APPROVED AS NOTED | <input type="checkbox"/> NATURAL |
| <input type="checkbox"/> DISAPPROVED       |                                  |

**CATALOG # DS15ASDS4-JXB**

- |   |
|---|
| <input type="checkbox"/> MAXIMUM FIXTURE EPA = 4.8      |
| <input type="checkbox"/> MAXIMUM WIND VELOCITY = 90 MPH |

3'  
EMBEDMENT

CABLE ENTRY  
@ 24"



BID: 15-17  
 1/29/2015  
 2:00 PM  
 CITY OF FAYETTEVILLE

## Bid 15-17 - Trail Lighting - Equipment Only

BIDDER	QTY	Luminaire Each	Luminaire Total	Pole Each	Pole Total	TOTAL BID PRICE
1 Amerlux Exterior	350	\$ 1,450.00	\$ 507,500.00	NO BID	\$ -	\$ 507,500.00
		<i>Amerlux Exterior - PT40/DPM-3M/5L/BLK</i>				
2 Alliance Composites	350	NO BID	\$ -	\$ 450.00	\$ 157,500.00	\$ 157,500.00
				<i>Alliance Composites - DS15ASDS4-JXB</i>		
3 Continental Pole & Lighting	350	NO BID	\$ -	\$ 438.00	\$ 153,300.00	\$ 153,300.00
				<i>Continental - RTFG12DB-F169</i>		
4 Upchurch Electrical Supply Co	350	\$ 1,260.00	\$ 441,000.00	\$ 603.75	\$ 211,312.50	\$ 652,312.50
		<i>Lumec - DMS50-55W48LED5K-R-LE3F-UNIV-BKTX</i>		<i>CMT - LYF(S)B12-T-3-T400X4.5-S</i>		
5 Valmont Composite Structures - Whaley	350	NO BID	\$ -	\$ 535.00	\$ 187,250.00	\$ 187,250.00
				<i>Valmont/Whalley ST45-D10M-OCT 12-DE-DGR-30-60</i>		

**\*NOTICE: Bid award is contingent upon vendor meeting minimum specifications and formal authorization by City officials.**

CERTIFIED:

*P. Vice*

P. VICE, Purchasing MGR

*Carolyn Reef*  
 Witness

1-29-15

DATE

## City of Fayetteville - Purchase Order Request (PO)

(Not a Purchase Order)

**All PO Requests shall be scanned to the Purchasing e-mail: [Purchasing@fayetteville-ar.gov](mailto:Purchasing@fayetteville-ar.gov).**  
**Purchase shall not be made until an actual PO has been issued.**

Requisition No.:	Date: <b>1/29/2015</b>
P.O Number:	

Vendor #: <b>20954</b>	Vendor Name: <b>Alliance Composites, Inc</b>	Mail <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Legistar#: 2015-0061</b>
Address:		FOB Point:	Expected Delivery Date:
City:	State:	Zip Code:      Ship to code: <b>104</b>	
Requester: <b>Matt Mihalevich</b>		Requester's Employee #: <b>2509</b>	Extension: <b>3416</b>

Item	Description	Quantity	Unit of Issue	Unit Cost	Extended Cost	Account Number	Project.Sub#	Inventory #	Fixed Asset #
1	<b>Town Branch Trail (Walker Park to 71B)</b>				<b>\$0.00</b>				
2	Trail Light Pole Purchase	52	LOT	450.00	\$23,400.00	4470.9470.5814.05	02016/1302		
3					\$0.00				
4					\$0.00				
5					\$0.00				
6					\$0.00				
7					\$0.00				
8					\$0.00				
9					\$0.00				
10					\$0.00				
*	Shipping/Handling		Lot		\$0.00				

Special Instructions:	Subtotal: <u>          <b>\$23,400.00</b></u> Tax: <u>                  <b>\$2,281.50</b></u> Total: <u>                  <b>\$25,681.50</b></u>
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Approvals:

Mayor: _____	Department Director: _____	Purchasing Manager: _____
Chief Financial Officer: _____	Budget Director: _____	IT Director: _____
Dispatch Manager: _____	Utilities Manager: _____	Other: _____