

# CITY OF OPELIKA

## PURCHASING DEPARTMENT

### INVITATION TO BID

**LILLIE FINLEY**  
**PURCHASING-REVENUE MANAGER**

OFFICE: (334) 705-5120

FAX: (334) 705-5128

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### BID DATA

**BID NUMBER:** B15-026

**COMMODITY TITLE:** Traffic Signal Poles

**USER DEPARTMENT:** Engineering

**BUYER:** Lillie Finley

**BUYER TELEPHONE:** (334) 705-5120

**ISSUE DATE:** September 7, 2015

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### BID OPENING

**DAY/DATE:** September 28, 2015

**TIME:** 2:00PM

**LOCATION:** City Hall Conference Room

**MAILING ADDRESS:** City of Opelika  
Purchasing Department  
PO Box 390  
Opelika, AL 36803-0390

The City of Opelika Purchasing Department will receive sealed bids for the purchase of **Traffic Signal Poles** as per attached specifications. Bids must be received by 2:00 PM on September 28, 2015. Late bids will not be opened nor returned.

**BIDS MAY BE MAILED TO:**  
**City of Opelika**  
**Purchasing Department**  
**PO Box 390**  
**Opelika, AL 36803-0390**

**BIDS MAY BE DELIVERED TO:**  
**City of Opelika**  
**Purchasing Department**  
**204 S. 7<sup>th</sup> Street**  
**Opelika, AL 36801**

**PART ONE**  
**GENERAL TERMS AND INSTRUCTIONS**

**SECTION 1 TERMS AND CONDITIONS**

- 1.1 All bids submitted shall be firm for a minimum of 90 days, unless otherwise specified.
- 1.2 The City reserves the right to cancel or make null and void any purchase order, if delivery cannot be made on the specified delivery date.
  - 1.2.1 In case of default by the contractor, the City may procure the articles or services from other sources and hold the contractor responsible for any excess cost occasioned thereby.
- 1.3 Bid tabulations will not be given over the telephone. Vendors desiring a bid tabulation shall enclose a stamped and self addressed envelope with their bid.
- 1.4 Bid awards are not official until a purchase order is issued or the Purchasing Department notifies the successful vendor in writing.
- 1.5 All items shall be delivered F.O.B. destination. Delivery costs and charges shall be included in the bid, unless otherwise stated in the specifications or proposal.
- 1.6 By signing this contract, the contracting parties affirm, for the duration of this agreement, that they will not violate federal immigration law or knowingly, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages, resulting therefrom.
- 1.7 Vendors not listed on the City's bid list shall submit with their bid, a completed W-9 form (attached).

## **SECTION 11 SUBMISSION OF BID**

- 2.1 Bids received after the designated date and time will not be opened nor returned.
- 2.2 All bids shall be submitted on and in accordance with forms for this purpose, which are available from the Purchasing Department. Additional supplementary documentation, when requested, shall be submitted on the bidder's letterhead.
- 2.3 All bids are to be submitted in sealed, plainly marked envelopes. Envelopes shall be marked in the bottom left corner with the Title of the Invitation to Bid, the Bid Number and the Opening Date. Facsimile and telephone bids will not be accepted.
- 2.4 All bids shall be typewritten or completed in black ink.
- 2.5 An authorized officer or agent of the company submitting the bid in order to be considered must sign all bids.
- 2.6 **Bid documents shall be submitted, in duplicate**, to the City of Opelika, Purchasing Department.
- 2.7 Bids, which show any omission, irregularity, alteration of forms, additions not called for, conditional or unconditional unresponsive bids may be rejected.
- 2.8 Any bid submitted with corrected errors shall have the correction initialed by the person signing the bid.
- 2.9 Bidder shall submit with bid, the latest printed literature and detailed specifications on equipment they propose to furnish. This literature is for informational purpose only, and shall be used to help determine a product's compliance with specifications.

## **SECTION III BID EVALUATION**

- 3.1 The City reserves the right to evaluate all bids, waive any technical or informalities, reject any and/or all bids and proposals, and further specifically reserves the right to make the award and/or awards in the best interest of the City. The City also reserves the right to request additional information.
- 3.2 The bid evaluation will be made on the following criteria:
  - 3.2.1 Bid Price
  - 3.2.2 Compliance with specifications
  - 3.2.3 Ability to deliver product or service
  - 3.2.4 Prompt pay discount, if offered, and meeting requirements of \*\*Section 3.4
  - 3.2.5 Availability of warranty service and parts
- 3.3 The City may waive minor differences in specifications, provided these differences do not violate the specification intent, materially affect the operation for which the item or items are being purchased nor increase the estimated maintenance and repair cost to the City.

- 3.4 In order for a prompt pay discount to be considered as a factor in the award of this bid, the minimum days allowed for payment to receive discount shall be 15 days after receipt of a correct invoice.
- 3.5 The City reserves the right to award all bids in their entirety or part, whichever, in its opinion, best serves the interest of the City.
- 3.6 Unless clearly shown on the bid that it is the intent that a reduced total price is being offered on the basis of receiving an award of all items covered by the total, any totals should be the actual sum of the extension of unit prices; otherwise, in the event of any discrepancy between a unit price(s), extended price(s) and/or total price(s), unit price shall govern and the bid will be refigured accordingly.
- 3.7 Alabama Bid Law allows a Local Preference to businesses located within the City of Opelika when their bid is within 3% of the lowest responsible bid. The City will extend that preference when applicable.
- 3.8 The City shall be sole judge as to an item meeting or exceeding the specifications.
- 3.9 NON-COLLUSION: Vendors, by submitting a signed bid, certify that the accompanying bid is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under Alabama or United State law.

#### **SECTION IV BILLING AND PAYMENT**

- 4.1 The vendor shall submit an invoice in to:

City of Opelika  
Accounting Department  
PO Box 390  
Opelika, AL 36803-0390

- 4.2 Payment by the City shall be made within thirty days, unless otherwise specifically provided, subject to any discounts offered.
  - 4.2.1 The City will make payment to the vendor, when an invoice is received and the City accepts the service or item(s).
  - 4.2.2 Any prompt pay discount offered will be computed from the date of delivery of the equipment, supplies, or materials at destination, when final inspection and acceptance are at those points, or from the date the correct invoice is received, if the latter is later than the date of delivery.

## **SECTION V ESCALATION CLAUSE**

- 6.1 The bid price stated shall be for all purchases under the contract. Price increases from the manufacturer to the successful vendor may be passed on during the life of this contract, ONLY when the following conditions are met:
  - 6.1.1 Consideration for price increases will only be given for material costs based on material prices at the time of bid submittal. The successful vendor must submit a current manufacturer's price list stating such increase.
  - 6.1.2 Notification to the Purchasing Department of price increase, along with proof of price increase from the manufacturer shall be provided to the Purchasing Department PRIOR to any increase being approved.
  - 6.1.3 Failure to comply with the above requirements shall deem the initial prices to be in effect for the entire life of this contract.
  - 6.1.4 Any price reduction from the manufacturer shall also be passed on to the City automatically.
  - 6.1.5 Unless otherwise specified, prices shall be reviewed no more often than on a quarterly basis.
  - 6.1.6 Any adjustment allowed shall consist of verifiable material cost increases which may be passed on to the consumer.
  - 6.1.7 Cost data to support any proposed increase must be submitted to the Purchasing Administrator no less than 30 days prior to the effective date of any such requested price increase.
  - 6.1.8 The successful vendor must submit a current manufacturer's price list stating such increase.
  - 6.1.9 Any price reduction from the manufacturer shall also be passed on to the City of Opelika automatically.
  - 6.1.10 The City reserves the right to cancel or make null and void any purchase order if price increase is determined not to be in the best interest of the City.
  - 6.1.11 In case of default by the vendor, the City may procure the articles from other sources and hold the vendor responsible for any excess cost occasioned thereby.
  - 6.1.12 No adjustment shall be made to compensate a supplier for inefficiency in operation, or for additional profit.
  - 6.1.13 Failure to comply with the above requirements shall deem the prices to be in effect for the entire life of the contract.

# CITY OF OPELIKA, ALABAMA

## TRAFFIC SIGNAL STRUCTURE SPECIFICATION

### **General:**

A Traffic Signal Pole System shall consist of decorative, tapered pole, round, tapered traffic signal mast arm, round, tapered luminaire arm, anchor bolts, and base plate.

### ***Calculations***

Calculations, if required, shall include mast arm, luminaire arm, pole, base plate, and anchor bolt analysis per the 2009 AASHTO code and 2011 interim revisions, incorporating an 80 mph basic wind velocity per Appendix C: Alternate Method for Wind Pressures. Maximum loads and stresses shall be determined for the most critical wind direction. The structure will be designed to meet fatigue category 2 and a 25 year service life. The fatigue analysis shall not include galloping and truck gust loads. Maximum arm and pole loads, stresses and combined stress ratios (CSR) shall be provided for each group load, as well as maximum top of pole dead load rotation. All component CSR's shall be less than or equal to 0.9 for group 1-3 analysis.

### ***Pole***

The pole shall be fabricated from coil or plate conforming to ASTM A595 Grade A or ASTM A572 Gr 55 with a minimum yield strength of 55 ksi. The pole shall have a constant linear taper of 0.14 in/ft. The shaft shall be one piece, and contain no circumferential welded butt splices. Laminated tubes are not permitted. All pole shafts up to 40' in length shall be manufactured and shipped in one piece. The minimum wall thickness shall be seven (7) gauge. The pole shall have a reinforced handhole (minimum 4.0" x 6.5") with cover located 1'-6" from the pole base. Each pole shall be provided with a decorative finial secured in place with set screws and an AC1 Cast Aluminum decorative base. The pole shall be hot dip galvanized per the requirements of ASTM A123.

### ***Mast Arm***

The mast arm shall be fabricated from coil or plate conforming to ASTM A595 Grade A or ASTM A572 Gr 55 with a minimum yield strength of 55 ksi. The arm shall be curved, round in cross section and have a constant linear taper of 0.14 in/ft. All mast arm shafts shall have a minimum wall thickness of 0.1793". The curved arm shall be attached 15 ft. above road level with a ring-stiffened box gusset and have a 5 ft. rise. Circumferential welded tube butt splices and laminated tubes are not permitted. Each arm shall be provided with a zinc die cast end cap secured in place with set screws. The mast arm shall be hot dip galvanized, per the requirements of ASTM A123.

### ***Luminaire Arm***

The luminaire arm shall be fabricated from ASTM A501, A513, A618, or A500 Gr. B with a minimum yield strength of 36 ksi. The arm shall be a 12' truss style with a curved, round cross section and a luminaire mounting height of 40 ft. All luminaire arms shall be manufactured and shipped in one piece. Circumferential welded tube butt splices and laminated tubes are not permitted. The luminaire arm shall be hot dip galvanized, per the requirements of ASTM A123.

## ***Base Plate***

Base plates shall conform to ASTM A36 with a minimum yield strength of 36 ksi. Plates shall be integrally welded to the tubes with a full-penetration welded joint with a backing ring, and be hot dip galvanized per the requirements of ASTM A123. The required thickness of the base plate shall be based on the section modulus at the diagonal line using 60% of the width of that line. ALDOT standard traffic signal pole bases shall be used if possible. Reference section 718.03(j) in ALDOT 2012 Standard Specifications for Highway Construction.

## ***Anchor Bolts***

A minimum of four (4) anchor bolts shall be supplied for each traffic signal structure. Anchor bolts shall conform to the requirements of ASTM F1554 Grade 55 with a minimum yield strength of 55 ksi. The upper 12" of the bolts shall be hot dip galvanized per ASTM A153. Each anchor bolt shall be supplied with two hex nuts and two flat washers. The strength of the nuts shall equal or exceed the proof load of the bolts. A zinc die cast nut cover shall be provided for each anchor bolt. Each nut cover shall be attached to the pole with a 0.25" stainless steel, self-tapping, hex head screw.

## **Galvanizing:**

### ***Surface Preparation***

Prior to being incorporated into an assembled product, steel plates 0.75" or more in thickness shall be blast cleaned when required to remove rolled-in mill scale, impurities and non-metallic foreign materials. After assembly, all weld flux shall be mechanically removed. The iron or steel product shall be degreased by immersion in an agitated 4.5%-6% concentrated caustic solution elevated to a temperature ranging from 150 to 190 degrees Fahrenheit. It shall then be pickled by immersion in a heated sulfuric acid solution of 6%-13% concentration, with a controlled temperature between 150-190 degrees Fahrenheit. It shall then be rinsed clean from any residual effects of the caustic or acid solutions by immersion in a circulating fresh water bath. Final preparation shall be accomplished by immersion in a concentrated zinc ammonium chloride flux solution heated to 130 degrees Fahrenheit. The solution's acidity content shall be maintained between 4.5-5.0 pH. The assembly shall be air dried to remove any moisture remaining in the flux coat and/or trapped within the product.

### ***Zinc Coating***

The product shall be hot-dip galvanized to the requirements of either ASTM A123 (fabricated products) or ASTM A153 (hardware items) by immersion in a molten bath of prime western grade zinc maintained between 810-850 degrees Fahrenheit. The entire product shall be totally immersed with no part of it protruding out of the zinc bath. This is to limit the risk of trapped contaminants containing chlorides and reduce the risk of bare spots (bare spots can occur when flux on the steel surface is burned away by heat of the first dip). Double dipping is a common practice but not recommended. Maximum aluminum content of the bath shall be 0.01%. Flux ash shall be skimmed from the bath surface prior to immersion and extraction of the product to assure a debris-free zinc coating.

## **Quality Control:**

The coating facilities shall be owned and operated by the pole manufacturer to ensure a quality

**PART THREE  
BID FORM**

**Traffic Signal Poles – Various Intersections in Opelika, Alabama  
#B15-026**

The undersigned declares that before preparing their bid, they read carefully the specifications and requirements for Bidders and that their bid is made with full knowledge of the kind, quality and quantity of services and equipment to be furnished, and their said bid is as stated on these pages. The undersigned offers and agrees, if this bid is accepted within FORTY-FIVE (45) calendar days from date of opening, to furnish any or all of the items upon which prices are offered at the price set opposite each item, delivered at the designated point(s) within the specified time. **PLEASE SUBMIT BIDS IN DUPLICATE AS REQUESTED IN SECTION II, ITEM 2.6.** All items must conform to the Alabama Manual on Uniform Traffic Control devices. All bid prices must be in the provided spaces above. All prices shown should be carefully checked. The prices are deemed to be correct when there is an error in addition

The City of Opelika is soliciting bids for decorative signal poles, mast arms, and luminaire arms at the following intersections. All poles shall meet the attached specifications.

Intersections

1. Spring Street and Pepperell Parkway

- One (1) pole with two (2) mast arms of lengths 40' and 40'
- One (1) pole with one (1) 40' mast arm
- Two (2) luminaire arms

**Total Cost \$ \_\_\_\_\_**

2. 2<sup>nd</sup> Avenue and 6<sup>th</sup> Street

- Two (2) poles with two (2) mast arms of lengths 45' and 30' each
- Two (2) luminaire arms

**Total Cost \$ \_\_\_\_\_**

3. 2<sup>nd</sup> Avenue and 8<sup>th</sup> Street

- One (1) pole with two (2) mast arms of lengths 35' and 40'
- One (1) pole with two (2) mast arms of lengths 25' and 40'
- One (1) luminaire arm

**Total Cost \$ \_\_\_\_\_**

4. 2<sup>nd</sup> Avenue and 10<sup>th</sup> Street

- One (1) pole with two (2) mast arms of lengths 35' and 45'
- One (1) pole with two (2) mast arms of lengths 25' and 40'
- Two (2) luminaire arms

**Total Cost \$ \_\_\_\_\_**

5. Lake Condry Road and Lafayette Parkway
- Two (2) poles with one (1) 45' mast arm
  - One (1) pole with two (2) 50' mast arms
  - Three (3) luminaire arms

**Total Cost** \$ \_\_\_\_\_

**Total Bid (Items 1-5)** \$ \_\_\_\_\_

Delivery Information: Delivery shall be made within \_\_\_\_\_ calendar days after receipt of purchase order.

Discounts will be allowed for prompt payment: \_\_\_\_\_percent, 10 calendar days  
\_\_\_\_\_percent, 15 calendar days  
\_\_\_\_\_percent, 20 calendar days  
\_\_\_\_\_percent, 30 calendar days  
\_\_\_\_\_Net 30

COMPANY SUBMITTING BID \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP CODE \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE OF PERSON AUTHORIZED TO SIGN BIDS

\_\_\_\_\_  
TYPED NAME AND TITLE OF SIGNER

\_\_\_\_\_  
TELEPHONE NUMBER

\_\_\_\_\_  
FAX NUMBER

\_\_\_\_\_  
FEDERAL ID NUMBER

\_\_\_\_\_  
E-MAIL ADDRESS

## ANTI-COLLUSION STATEMENT

THE BELOW SIGNED QUOTER HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS QUOTE WITH OTHER QUOTERS AND HAS NOT COLLUDED WITH ANY OTHER QUOTER OR PARTIES TO A QUOTE WHATSOEVER. **NOTE:** NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE ARE PERMITTED WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS. ANY SUCH VIOLATION WILL RESULT IN THE CANCELLATION AND/OR RETURN OF MATERIAL (AS APPLICABLE) AND THE REMOVAL FROM THE MASTER BIDDERS LIST.

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FIRM NAME

---

BY (PRINTED)

---

BY (SIGNATURE)

---

TITLE

---

ADDRESS

---

**BID NO.: B15-026**

**STATEMENT OF NO BID/PROPOSAL**

**NOTE: If you DO NOT intend to bid on this commodity or service, please complete and Return this form immediately.** Your response will assist us in evaluating all responses for this important project and to improve our bid solicitation process.

The Purchasing Division of the City of Opelika wishes to keep its bid list file up-to-date. If, for any reason you cannot supply the commodity/service noted in this bid/proposal solicitation, this form must be completed and returned to remain on the particular bid list for future projects of this type.

If you do not respond to this inquiry within the time set for the proposal opening date and time noted, we will assume that you can no longer supply this commodity/service, and your name will be removed from this commodity/service list.

\_\_\_\_\_ Specifications too "tight", i.e. geared toward one brand or manufacturer only.

\_\_\_\_\_ Specifications are unclear (explain below)

\_\_\_\_\_ We are unable to meet specifications.

\_\_\_\_\_ Insufficient time to respond to the Request for Proposal.

\_\_\_\_\_ Our schedule would not permit us to perform.

\_\_\_\_\_ We are unable to meet bond requirements.

\_\_\_\_\_ We are unable to meet insurance requirements.

\_\_\_\_\_ We do not offer this product or service.

\_\_\_\_\_ Remove us from your proposers list for this commodity or service.

\_\_\_\_\_ Other (specify below).

REMARKS \_\_\_\_\_  
\_\_\_\_\_

SIGNED: \_\_\_\_\_ NAME: \_\_\_\_\_  
(Type or Print)

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
(Street address) (City) (State)