



WILLIAM A. BELL, SR.  
MAYOR

# CITY OF BIRMINGHAM

FINANCE DEPARTMENT

## PURCHASING DIVISION

P-100 CITY HALL  
710 NORTH 20TH STREET  
BIRMINGHAM, ALABAMA 35203-2227

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June 5, 2015

### INVITATION TO BID # 15-49

Sealed bids for various traffic control and highway maintenance items for the City of Birmingham for one (1) year and month to month extensions thereafter, will be received by the Purchasing Agent, P-100 First Floor City Hall, Birmingham, Alabama until 2:00 p.m., July 10, 2015 at which time and place they will be publicly opened and read.

Bidders wishing to bid can download the complete solicitation including the specifications and bid forms via the internet at [www.birminghamal.gov](http://www.birminghamal.gov) (go to link titled **Bidding Opportunities**), or by visiting the Purchasing Office at the address shown above, or by calling (205) 254-2265, fax (205) 254-2484 and requesting a copy be mailed to you. Any addenda will be available on the internet. Bidder is responsible for checking the website for addenda until bid opening date. Addenda will be mailed to only those vendors who were provided a copy in person or by mail.

Bids are to be submitted on the bid form provided and all quotations are to be f.o.b. Birmingham, Alabama delivered.

It is required for any contract exceeding \$10,000.00 that the bidder submits with his bid a certified check, a cashier's check, or a bid bond payable to the City of Birmingham in the amount of \$500.00. In order for any bid award to be considered that exceeds \$10,000.00, your bid must be accompanied by an acceptable bid bond or check. Bid bond checks will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of award. Should the successful bidder fail to accept the award, the bid bond or check shall be forfeited.

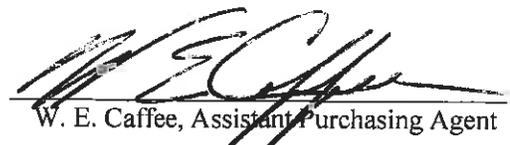
The City follows a policy of nondiscrimination. No contractor with the City should discriminate on the basis of race, sex, religion, or national origin. Failure by the Vendor to carry out these requirements is a material breach of its obligations, which may result in its termination or such other remedy as the City deems appropriate.

No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening.

The City reserves the right to reject any or all bids submitted in whole or part, and to waive any informalities.

Bids must be submitted in a sealed envelope marked, "**SEALED BID – TRAFFIC CONTROL HIGHWAY MAINTENANCE ITEMS – 2:00 P.M., 07/10/15**". Bids may be hand delivered to Room P-100 First Floor City Hall, Birmingham, Alabama, or mailed to City of Birmingham, P. O. Box 11295, Birmingham, Alabama 35202-1295. (**DO NOT MAIL TO ROOM P-100 FIRST FLOOR CITY HALL**). However, bids sent by any express carrier (Federal Express, UPS, DHL, etc.) must be mailed to 710 North 20th Street, and specify delivery to P-100 First Floor City Hall.

It is the bidder's responsibility to make sure that his bid is in the possession of the Purchasing Agent on or before 2:00 p.m., July 10, 2015. Bids received after this time will not be considered.

  
W. E. Caffee, Assistant Purchasing Agent

## **SPECIFICATIONS FOR VARIOUS TRAFFIC CONTROL AND HIGHWAY MAINTENANCE ITEMS FOR THE CITY OF BIRMINGHAM**

The City of Birmingham is seeking bids for the supply of various traffic control and highway maintenance items. The basis of this contract is for the supply of any and all herein described items that the City may require during the life of this contract. The City intends to award to the lowest priced, responsive, responsible bidder on a total lot basis for each individual group of materials indicated on the bid form. Bidders may bid only groups of interest and are not required to bid all groups in order to be considered for award. **Group One** will consist of glass highway marking spheres. **Group Two** will consist of all Traffic Cones. **Group Three** will consist of all various sign mounting hardware. **Group Four** will consist of stainless steel buckles and banding. **Group Five** will consist of steel traffic signpost. **Group Six** will consist of traffic signal loop wire. **Group Seven** will consist of detector loop sealant. **For the purchase of personal property, the City's policy is to apply a local preference option, as allowed by State of Alabama Code, Section 41-16-50, in determining the low bidder.**

The proposed contract shall extend for a minimum time frame of twelve (12) months, with a month-to-month extension thereafter, at the prices originally bid, upon mutual agreement of both parties. This extension phase is not to exceed twenty-four (24) months. Prior to the end of the initial contract term or during any extension phase of this contract, the successful bidder(s) shall give the City an advanced thirty (30) days written notice if they wish to terminate the contract. During the extension phase of the contract should any product bid have a manufacturer's price increase which applies across the board to all sales of the product, the City shall allow the bidder to increase the bid price by the exact dollar amount of the manufacturer's price increase. Bidder must provide to the City printed documentation from the manufacturer of any such price increase at least thirty (30) days prior to implementing any increase in price. No increase in price shall be allowed during the first twelve (12) months of the contract. Should any product herein experience a manufacturer's price reduction during the contract period, the City is to receive the benefit of such reduction(s).

City reserves the right to cancel this contract with thirty (30) days advance notice due to unsatisfactory performance (i.e. repeatedly missing pick-ups with scheduled time periods, failure to make scheduled pick-ups, failure to deposit pickup amounts into bank on same day as picked up, etc.) or convenience. Failure to adhere to any and all terms, conditions and specifications as set forth in the contract may result in the immediate termination of the contract. Should termination occur, the holder of the contract may be declared a "non-responsible vendor". This declaration may result in the rejection of any future bids submitted by the vendor for a period of time to be determined by the City.

Municipalities are not liable for sales tax: reference Code of Alabama Section 40-23-4. Costs normally considered pass through costs (property tax, use tax, delivery charge, etc.) to the customer by the provider must be included in any fee proposed (Code of Alabama Section 40-12-222). For the purchase of personal property, the City's policy is to apply a local preference option, as allowed by State of Alabama Code, Section 41-16-50, in determining the low bidder.

**Bidders are required to provide an additional two (2) copies of their original bid with their package.**

The City will issue purchase order(s) to the successful bidder for the goods and/or services (bid items) that are the subject of the bid. Unless otherwise agreed in a writing that is signed by both parties, the entire agreement between the City and the successful bidder concerning the bid items is comprised of the terms, conditions, specifications and requirements stated in (a) the contemplated purchase order(s), (b) this Invitation to Bid and Specifications and (c) your bid (collectively, the "Contract Requirements"). These writings supersede all former proposals, offers, negotiations, representations or agreements, either written or oral, concerning the provision of vendor's goods and/or services. By acceptance of the City's purchase order(s), the successful vendor agrees to abide by and perform its responsibilities related to the bid items in compliance with the Contract Requirements.

**Each bidder is to extend prices and provide a total for the bid being submitted. In order for any bid award to be considered that exceeds \$10,000.00 your bid must have been accompanied by an acceptable bid bond, certified check or cashier's check in the amount of \$500.00. Bid bond checks will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of award. Should the successful bidder fail to accept the award, the bid bond check shall be forfeited.**

Contract award to purchase the materials covered in this bid document shall be construed under and governed by the laws of the State of Alabama and each party hereto irrevocably agrees to be subject to the jurisdictions of the courts of the State of Alabama.

The City's standard payment term is Net-30 Days from acceptance. Exception may be allowed for discounted early payment, such as 2%-10, Net 30 Days. The reference date for all such discounted early payment terms will be the date the invoice is received or the date the goods are received, whichever is later. In the event of a dispute the City's record shall prevail. **The City will not consider any bids requiring C.O.D. payments.**

**Successful bidder acknowledges and agrees that the City has the right to deduct from total amount of consideration to be paid, if any, to the successful bidder under this agreement all unpaid, delinquent, or overdue license fees, taxes, fines, penalties and other amounts due the City from the successful bidder.**

**The City of Birmingham must have a copy of the successful bidder's current City of Birmingham business license prior to formal award of contract. Each bidder may submit a copy of his/her license along with his/her bid. However, bidder must provide a copy of his/her current business license no later than seven (7) working days of receipt of notice of intent to award. Failure to submit the requested information will result in the notice of intent to award being revoked.**

**Any successful bidder who is not currently set up as a vendor in the City of Birmingham vendor file will be required to submit a completed W-9 tax form prior to any award. The W-9 tax form may be submitted with your bid or no later than seven (7) working days of receipt of notice of intent to award.**

**Successful Vendor (located in the State of Alabama or located outside of the State of Alabama, but employs one or more employees within the State of Alabama) represents and warrants that it does not knowingly employ, hire for employment, or continue to employ an "unauthorized alien", as defined by the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535 (H.B.56) of the Alabama Legislature, as amended from time to time (the "Act") and that, during the performance of this contract, Vendor shall participate in the E-Verify program as required under the term of the Act. Vendor agrees to comply with all applicable provisions of the Act. As a condition for the award of any contract, Vendor shall provide documentation establishing that the Vendor is enrolled in the E-Verify program, or a signed, written statement that the Vendor does not have a presence (one or more employees) in the State of Alabama. Vendor may submit applicable documentation with his/her bid or no later than seven (7) working days of receipt of notice of intent to award.**

Any questions concerning these specifications should be addressed to Mr. Phillip Hyche, at 431 6th Avenue South, Central Stores, 205-254-6510, between the hours of 7:00 a.m. and 3:00 p.m. Monday through Friday.

#### **DETAILED PERFORMANCE REQUIREMENTS:**

**Definition:** This is a Central Stores Warehouse supply contract and as such, certain other terms, conditions and/or requirements will exist in addition to the aforementioned terms, conditions and requirements. Bidders are advised to pay close attention to these requirements and instructions when bidding all items.

**Intent:** The Central Stores Warehouse intends to utilize this contract to minimize its on-hand inventory investments, maximize available storage resources and establish rapid and reliable inventory replenishment sources. Only vendors with adequate on-hand inventory to meet the City's requirements will be considered eligible for awards. Vendors who do not have, or cannot have adequate inventory on-hand and ready for immediate delivery to the City should not submit bids for this contract.

**Freight Charges:** All prices quoted for items within this contract are to be **F.O.B. delivered**, City of Birmingham, Central Stores, 431 6<sup>th</sup> Ave. South, Birmingham, Alabama, 35205.

**Merchantability:** For the purpose here, merchantability is defined as being fit for the ordinary purpose for which such goods are intended. All items shipped under this contract are to be new and of first line quality and condition. All items received by the Central Stores Warehouse under this contract shall be free of damages and be packed in their original packages, boxes, and/or cases.

**Special Shipping Requirements:** Some items within this Invitation to Bid may have special shipping instructions indicated within the item's specifications on the Bid Form. Bidders should pay close attention to any such instructions, as failure to comply could result in the rejection of the goods at the time of receipt.

**Receiving Hours:** The Central Stores Warehouse receiving hours are: 7:00 a.m. to 3:00 p.m. Monday through Friday.

**Purchase Orders:** A purchase order number is required for any and all orders. Shipments made without a purchase order number are at the vendor's risk. The City will issue purchase orders to vendors as items are required. However, at its option the City may choose to issue "Timed Release Purchase Orders" for any item(s) it so chooses. Such purchase orders will require the supply of a fixed quantity of a given item(s) over a given period of time. The purchase orders will state either a series of fixed receiving dates or will give a "release upon demand" instruction. The responsibility of maintaining adequate on-hand inventory to meet the City's requirements for such purchase orders rest solely with the vendor(s) and consistent failure to deliver goods at the requested time(s) shall constitute breach of contract, whereby the City reserves the right to immediately terminate the contract. Should termination occur, the holder of the contract may be declared a "non-responsible vendor". This declaration may result in the rejection of any future bids submitted by the vendor for a period of time to be determined by the City.

**On-Line Ordering:** The Central Stores Warehouse fully intends to take advantage of any on-line ordering capabilities offered by the successful vendor(s). Any vendor(s) offering such services will agree to provide the City with access to the site, account establishment, user ID setups, training, etc. at no cost to the City. As a rule, when on-line ordering is used by the City, no hard copy of the Purchase Order will be mailed to the vendor. However, vendors may request that hard copies be mailed, and the City will comply with any and all such request.

**Invoicing:** All purchase orders issued by the City of Birmingham indicate an invoice mailing address based on the Department for whom the purchase order was issued. In order for timely payment to be received, it is imperative that vendors mail invoice copies to the so indicated address. Failure to do so will result in delayed payments. **Do not mail invoices to the Accounts Payable Division.**

**Payment Questions:** For any questions concerning payments for delivered items covered within this contract, please contact Mr. Harold Houston, (Buyer) at the Central Stores Warehouse, phone:(205) 254-6368, or fax: (205) 254-6588, Monday through Friday, between the hours of 7:00 a.m. and 3:00 p.m. CDT. **Do not contact the Accounts Payable Division.**

**Substitutions of Products:** The City recognizes the fact that from time to time substitutions of products other than those the vendor specifically quoted may have to occur. Any product offered as a substitute must be of equal or greater quality and value as the one being substituted for. No price increase from the original contract price will be allowed. Should the need for a substitute arise, the vendor should contact Mr. Harold Houston, (Buyer) at the Central Stores Warehouse, (205) 254-6368, Monday through Friday, between the hours of 7:00 a.m. and 3:00 p.m. CDT for approval of any substitute before shipment is made. Failure to do so will result in the rejection of the goods at the time of receipt. Approval of a substitute once does not constitute future approval. Approvals will have to be obtained from the City for each substitution occurrence before any shipment is made. **In order to avoid any confusion, all request for approvals should be submitted in writing after verbal notification and before shipping. Such written notice may be faxed to the City at (205) 254-6588, ATT: Nancy Moore, Buyer. Failure to submit such written notice could result in the rejection of the goods at the time of receipt.**

**Permanent Substitutions:** Any vendor seeking to permanently substitute an item must submit, in writing, a request stating the product for which a substitute needs to be supplied, the manufacturer and brand name of the proposed substitute, any pertinent product information, and the reasons for the need to make a permanent substitute. The City may require samples of any substitute before a decision is made as to acceptability. It is the vendor's responsibility to supply any such requested samples within five (5) working days of the request. No price increase from the original contract price will be allowed. The City will notify the vendor, in writing, of its decision to approve or deny the proposed permanent substitution.

**Partial Shipments:** The Central Stores Warehouse as a rule accepts partial shipments. However, vendors should note that the receipt of a partial shipment of ordered goods does not alleviate the vendor's obligations for the complete shipment of goods by the due date as stated within the purchase order. Consistent failure to ship reasonably complete orders will constitute breach of contract and will result in the declaration of the vendor as a "non-responsible vendor" and subject to the aforementioned penalties of such declaration. For the purposes herein, "reasonably complete" shall mean at least 70% of the total quantity ordered by the City and indicated on the purchase order.

**Late Shipments:** The City will notify vendors with a written letter of warning each time an order is received later than five (5) working days past the due date. Receiving due dates are noted in the "**Maximum Delivery Times**" section of this specification. Any vendor receiving such a warning letter, will be required to submit to the City, in writing, a detailed explanation of the delay and what remedies have been implemented to insure future contract compliance. The City reserves the right to immediately terminate the contract with any vendor who receives a total of three (3) such letters of warning within any one (1) year time frame. Should termination occur, the holder of the contract will be declared a "non-responsible vendor" and subject to the aforementioned penalties of such declaration.

**Failure to Ship Goods:** The outright failure to ship any contracted goods ordered by the City will constitute breach of contract and the City reserves the right to immediately terminate the contract. Should termination occur, the holder of the contract will be declared a “non-responsible vendor” and subject to the aforementioned penalties of such declaration.

**Rejected Goods:** Any goods rejected by the City, for whatever reason, are to be picked up by the vendor within forty-five (45) days of the date of written notice to the vendor of the rejection. The City shall seek all legal remedies available to it to dispose of any rejected materials left past this time frame including, but not limited to, transport to an approved and licensed landfill for disposal.

**Quantities:** The quantities shown on the bid form are estimated annual quantities for evaluation purposes only. The City does not guarantee any specific quantity or dollar value of goods to be purchased during the life of the contract. Merchandise shall be ordered as requirements dictate. The City reserves the right to purchase more or less than these quantities as conditions require, and no bidder shall attempt to hold the quantities shown as a firm quantity under this contract. The City shall be allowed to order at any time, in any quantity (complying with vendor minimums if so stated and accepted) during the life of this contract.

**Minimum Order Quantities:** The City will consider bids requiring reasonable minimum order quantities. Vendors are to state in the “**Exceptions to Specifications**” area for each product any minimum order quantities required for the FOB shipping of the item(s). Failure by vendor to state a minimum order quantity will obligate vendor to ship any quantity ordered by the City. The City reserves the right to determine what a “reasonable” minimum order quantity is based on the City’s historical and projected future usage information. The City will reject any bid which requires an unreasonable minimum order quantity.

**Rounding Up or Down of Quantities Shipped:** The City as a rule will order whole count units (cases, boxes, pallets, etc.) whenever possible. No vendor should round up or down quantities ordered by the City without first receiving approval to do so.

**Maximum Delivery Time:** The City has limited storage facilities so timely delivery shall be a consideration. **Unless else wise noted in the detailed specifications sections, the successful bidder(s) shall guarantee full delivery within twenty (20) working days from the receipt of purchase order for any item(s) ordered.** Failure to meet this or other stated delivery requirement will constitute grounds for the termination of this contract and the declaration of the vendor(s) as a “non-responsible vendor”, which could result in the rejection of any future bids submitted by the vendor(s).

**Exceeding Maximum Delivery Times:** Consistent failure by a successful vendor to meet the stated maximum delivery times will constitute grounds for the termination of the awarded items of the contract and the declaration of the vendor as a “non-responsible vendor” and subject to the aforementioned penalties of such declaration.

**Item Specifications:** Bidders are to bid items exactly as specified in the Bid Form. Bidders are to supply all requested product information in the areas provided on the Bid Form. Any exceptions should be noted in the “**Exceptions to Specifications**” space provided on the Bid Form. Failure to note exceptions could result in the rejection of the bid. If the item specification calls for the supply of product specifications literature, it must be included with the submitted bid and must adequately demonstrate that the item being bid meets or exceeds the given specification.

#### **DETAILED PRODUCT SPECIFICATIONS:**

When and if applicable, any product offered for consideration must be on the Alabama Department of Transportation’s “List of Qualified Traffic Control Devices and Materials” in order to be eligible for award.

Each bid must be accompanied by a full set of material and construction specifications for the items the bidder proposes to supply. Also, bidder is to indicate the manufacturer’s name and the item/sku/series number for any product quoted in the appropriate space on the Bid Form.

The City may require samples of any product before an award is made. Any samples requested must be made available to the City within five (5) working days of request. Failure to provide the samples within this time frame will result in the rejection of the products from award consideration. Said samples will be a factor in evaluation of bids. All samples will remain the property of the bidder. Bidders wishing return of samples should send call tags to; City of Birmingham, Central Stores, 431 6<sup>th</sup> Ave. So. Birmingham, AL 35205.

**GROUP ONE SPECIFICATIONS: GLASS SPHERES**

The following describes the minimum specifications acceptable to the City for glass beads to be dropped or sprayed upon pavement markings so as to produce a reflectorized pavement marking.

The beads shall be of Type 1 (standard gradation) design and have a moisture resistant coating.

The beads shall be transparent, clean colorless glass, smooth and spherically shaped, free from milkiness, pits, and/or excessive air bubbles.

The beads shall meet the following gradation requirements:

| U. S. Standard Sieve | % Passing by Weight |
|----------------------|---------------------|
| # 20                 | 100                 |
| # 30                 | 75-95               |
| # 50                 | 15-35               |
| # 100                | 0-5                 |

**Roundness:** The glass beads offered for consideration shall have a minimum of 70% true spheres.

**Chemical Resistance:** The glass spheres shall withstand immersion in water and acids without undergoing noticeable corrosion or etching and shall not be darkened or otherwise noticeably decomposed by sulfides.

**Moisture Resistance- Flow Characteristics:** Beads shall not absorb moisture in storage and should remain free of clusters or lumps. Beads should flow freely through the dispensing equipment in any weather suitable for painting.

**Refractive Index:** Beads shall have a minimum refractive index of 1.50.

**Floatation:** A minimum of 90% of the beads shall float in xylene.

**Crushing Resistance:** A forty-pound dead weight for twenty to thirty mesh spheres should be the average resistance.

**Packaging:** Beads shall be shipped in bags that are strong enough to permit normal handling during the shipment and transportation without loss of spheres. Bags shall be sufficiently water resistant so that spheres will not become wet or caked. Spheres may be packed in 40, 50, or 60 pound bags. All spheres shall be palletized in units of no more than 3000 lbs. per pallet. Pallets shall be of non-returnable type.

**Pricing:** All prices quoted shall be by the pound. Bidder is to state standard bag size.

**Shipping:** The City intends to purchase complete truck loads of beads (approx. 37,000 - 40,000 lbs.) when orders are placed.

**GROUP TWO SPECIFICATIONS: TRAFFIC CONES**

The City will accept bids for either fluorescent red-orange with black bases or fluorescent orange based cones. Any cone bid must meet the respective minimum specifications.

The current sizes the City uses are 12 inch, 18 inch, and 36 inch.

All 18" and 36" cones supplied under the contract shall have the identifying letters "C-B-T-E" stenciled on, molded into, printed, or otherwise permanently affixed to the inner-liner. The outer fluorescent red-orange covering shall be permanently applied over the letters and inner-liner, creating a one-piece, non-separating vertical, conical shaped upper structure. Letters are to be approximately 1.5 inches tall. The twelve inch (12") cones are not required to have imprinting on them.

All 18" & 36" cones are to have reflective collars pre-applied so as to make the cones highly visible both day & night. The collar material is to be of a self adhesive tape material such as 3M # 3840 Hi -Intensity cone tape. The collars shall be of a two piece design with the upper band being approx. six (6) inches and the lower band being approx. four (4") inches. Bidders are to state in the "Exceptions to Specifications" area on the Bid Form any minimum order quantities for stenciled and/or non stenciled traffic cones.

**Black Based Traffic Cone Specification:**

Material: The highly pigmented fluorescent red-orange conical upper portion (excluding base) shall be manufactured of 100 % Poly Vinyl Chloride and shall be fused to a color impregnated white inter-liner (not painted). The fluorescent red color shall be impregnated into the outer covering (not painted) and shall be ultraviolet stabilized to resist fading. The base shall be black pigmented and constructed of high density, weighted Poly Vinyl Chloride with a specific gravity of not less than 1.5. The upper conical portion shall be permanently fused and joined to the base section with interlocking lip and recess welded into one entity.

**12" Black Based Cone minimum specifications (no imprinting)**

|   |   |
|---|---|
| Height: 12" +/- 1/4"                                    | Core Dia. Inner bottom: 6.5"            |
| Total Weight: 1.5 lbs. +/- 3 oz. minimum                | Tensile Strength: 1200 psi minimum      |
| Base Weight: .75 lbs.                                   | Elongation, wall: 200% minimum          |
| Base Size Square: 8.25"                                 | Hardness: Conical 80 +/-5, Base 65 +/-5 |
| Wall Thickness: Top 0.050 minimum, Bottom 0.060 minimum | Angle of Recovery: 60 degrees minimum.  |
| Core Dia. Inner top: 1.5"                               | Maximum Heat Temperature: 150 degree F  |

**18" Black Based Cone minimum specifications**

|   |   |
|---|---|
| Height: 18" +/- 1/2"                                      | Core Dia. Inner bottom: 10.75"          |
| Total Weight: 3 lbs. +/- 3 oz.                            | Tensile Strength: 1200 psi minimum      |
| Base Weight: 1.65 lbs.                                    | Elongation, wall: 200% minimum          |
| Base Size Square: 11.5"                                   | Hardness: Conical 80 +/-5, Base 65 +/-5 |
| Wall Thickness: Top 0.080" minimum, Bottom 0.090" minimum | Angle of Recovery: 60 degrees minimum.  |
| Core Dia. Inner top: 1.75"                                | Maximum Heat Temperature: 150 degree F  |

**36" Black Based Cone minimum specifications**

|   |   |
|---|---|
| Height: 36" +/- 1/2"                                      | Core Dia. Inner bottom: 10.75"          |
| Total Weight: 8 lbs. +/- 4 oz. minimum                    | Tensile Strength: 1200 psi minimum      |
| Base Weight: 3.5 lbs.                                     | Elongation, wall: 200% minimum          |
| Base Size Square: 14" +/- 1/4"                            | Hardness: Conical 80 +/-5, Base 65 +/-5 |
| Wall Thickness: Top 0.090" minimum, Bottom 0.150" minimum | Angle of Recovery: 50 degrees minimum.  |
| Core Dia. Inner top: 1.75"                                | Maximum Heat Temperature: 150 degree F  |

**Orange Based Traffic Cone Specification:**

Material: The highly pigmented fluorescent red-orange cone shall be manufactured of 100 % Poly Vinyl Chloride (PVC). Conical and base are to be flow molded in one continuous layer and shall be fused to a color impregnated white inter-liner (not painted). Base and cone are to be interlocked in the molding process so as to form an inseparable single piece cone. The fluorescent red-orange color shall be impregnated into the outer covering (not painted) and shall be ultraviolet stabilized to resist fading.

**12" Orange Based Cone minimum specifications**

|  |   |
|--|---|
| Height: 12" (- 1/2" maximum)             | Wall Thickness: Top 0.050 minimum, Bottom 0.060 minimum |
| Total Weight: 1.5 lbs. (- 3 oz. maximum) | Minimum Conical O.D. (top): 1.5"                        |
| Base Size Square: 9" (- 1/4" maximum)    | Minimum Conical O.D. (bottom): 6.5"                     |

**18" Orange Based Cone minimum specifications**

|  |  |
|--|--|
| Height: 18" (- 1/2" maximum)                             | Wall Thickness: Top 0.080 minimum, Bottom 0.090 minimum  |
| Total Weight: 3 lbs. (- 3 oz. maximum)                   | Minimum Conical O.D. (top): 1.25"                        |
| Base Size Square: 11 (- 1/4" maximum)                    | Minimum Conical O.D. (bottom): 7.5"                      |
| Foldability Time (seconds) 10 maximum                    | Heat resistance: no slump or sag after 1 hour at 180 deg |
| Cold resistance: no cracking/splitting after 3 hrs @ 0 F | Elongation, wall: minimum of 200%                        |

### 36" Orange Based Cone minimum specifications

|  |  |
|--|--|
| Height: 36" (- 1/2" maximum)                             | Wall Thickness: Top 0.090 minimum, Bottom 0.150 minimum  |
| Total Weight: 8 lbs. (- 4 oz. maximum)                   | Minimum Conical O.D. (top): 1.75"                        |
| Base Size Square: 14 (- 1/4" maximum)                    | Minimum Conical O.D. (bottom): 10.60"                    |
| Foldability Time (seconds) 10 maximum                    | Heat resistance: no slump or sag after 1 hour at 180 deg |
| Cold resistance: no cracking/splitting after 3 hrs @ 0 F | Elongation, wall: minimum of 200%                        |

### GROUP THREE SPECIFICATIONS: SIGN MOUNTING HARDWARE

All brackets and caps supplied are to be of **heavy weight cast aluminum construction**. Middle weight, light-weight, or "economy" castings will not be considered.

All castings shall be of domestic origin. Castings are to be degreased and free from sharp edges and burrs.

All bidders are to furnish complete detailed specifications with their bid for any hardware offered for consideration. Bidders are to include a product catalog with their bid.

All brackets quoted are to be for use with extruded sign blades.

All brackets are to be supplied with stainless steel vandal proof set screws.

Bidders are to state in the "Exceptions to Specifications" area on the Bid Form any minimum order quantities.

### ITEM DETAILED SPECIFICATIONS:

#### Bracket, cantilever:

All aluminum construction. 14 1/2" long arm. Designed for use with flat or extruded blade. Designed for pole mounting. Standard drilling to be 5/16"-18 x 1/2" set screw. Bolt thru drilling to be 1/4"-20 x 1/2" socket head bolt. To be supplied with vandal resistant set screws. Vulcan Sign Company # VS-1C or fully equal.

#### Bracket, Metro Wing (24"):

Cast aluminum construction. 24" long arm x 8.75" high with slots for extruded blade. Support to have 3 drilled and tapped (5/16"-18 thread) holes opposite or 9/16" non-tapped holes for blade mounting. Designed for mounting on wall, concrete, wood, or metal post. To be supplied with vandal resistant set screws. Hall Sign Company # 800 Metro Wing Bracket or fully equal.

#### Bracket, Metro Wing (16.5"):

Cast aluminum construction. 16.5" long arm x 8.25" high with slots for extruded blade. Support to have 2 drilled and tapped (5/16"-18 thread) holes opposite or 9/16" non-tapped holes for blade mounting. Designed for mounting on wall, concrete, wood, or metal post. To be supplied with vandal resistant set screws. Hall Sign Company # 800 Metro Wing Bracket or fully equal.

#### Bracket, cross assembly:

Heavy weight solid cast aluminum construction. Minimum net weight of 10 oz.. Minimum length of slots to be 5 1/2". Designed for use with extruded blades. Standard drilling for 5/16"-18 set screws. To be supplied with vandal resistant set screws. Hall Sign Company "SUPR-LOK" series, # 990X or fully equal.

#### Bracket, cross assembly, heavy duty:

Heavy weight solid cast aluminum construction. Minimum length of slots to be 12". Cross to be set at 90 degrees. Designed for use with extruded blades. Standard drilling for 5/16"-18 set screws. To be supplied with vandal resistant set screws. Hall Sign Company "ULTRA SUPR-LOK" series, # 12-CRX or fully equal.

#### Bracket, cross assembly, universal:

Heavy weight solid cast aluminum construction. Minimum length of slots to be 3.75". Cross to be set at 45 or 180 degrees. Designed for use with extruded blades. Standard drilling for 5/16"-18 set screws. To be supplied with vandal resistant set screws. Hall Sign Company "Universal Cross Piece" series, # 457X or fully equal.

#### Bracket, cap assembly:

Heavy weight solid cast aluminum construction. Minimum net weight of 11 oz.. Minimum length of slots to be 5 1/2". Designed to fit 2-3/8" diameter post. Designed for use with extruded blades. Standard drilling for 5/16"-18 set screws. To be supplied with vandal resistant set screws. Hall Sign Company "SUPR-LOK" series, #922X or fully equal.

**Bracket, cap assembly, heavy duty:**

Heavy weight solid cast aluminum construction. Minimum length of slots to be 12". Designed to fit 2-3/8" diameter post. Designed for use with extruded blades. Standard drilling for 5/16"-18 set screws. To be supplied with vandal resistant set screws. Hall Sign Company "ULTRA SUPR-LOK" series, # 1238X or fully equal.

**Bracket, cap, U-channel post:**

Heavy weight solid cast aluminum construction. Minimum net weight of 8.5 oz.. Minimum length of slots to be 5 1/2". Designed to fit U-channel post. Designed for use with extruded blades. Standard drilling for 5/16"-18 screws. To be supplied with vandal resistant set screws. Hall Sign Company "SUPR-LOK" series, # 91UX-OL90 or fully equal.

**Bracket, cap, U-channel post, heavy duty:**

Heavy weight solid cast aluminum construction. Minimum length of slots to be 12". Slot to be set at 180 degrees. Designed to fit U-channel post. Designed for use with extruded blades. Standard drilling for 5/16"-18 screws. . To be supplied with vandal resistant set screws. Hall Sign Company "ULTRA SUPR-LOK" series, # 12U-180X or fully equal.

**Bracket, cap, U-channel post, heavy duty:**

Heavy weight solid cast aluminum construction. Minimum length of slots to be 12". Slot to be set at 90 degrees. Designed to fit U-channel post. Designed for use with extruded blades. Standard drilling for 5/16"-18 screws. . To be supplied with vandal resistant set screws. Hall Sign Company "ULTRA SUPR-LOK" series, # 12U-90X or fully equal.

**GROUP FOUR SPECIFICATIONS: STAINLESS STEEL BANDING AND BUCKLES**

**DETAILED SPECIFICATIONS:**

**Banding, stainless steel.**

Banding is to be 3/4" wide X .030 thick and supplied in 100 ft. rolls. Banding is to be manufactured from Type 201 stainless steel with a minimum breaking strength of 2250 lbs.

Do not substitute grade of steel. Edges are to be fully rounded. BAND-IT catalog #C206 or fully equal.

**Buckles, stainless steel.**

Buckles are to be for use with 3/4" banding. Buckles are to be manufactured from Type 201 stainless steel. Do not substitute grade of steel. Buckle shall be designed to accommodate both single and double wrap clamps. Buckles are to be packaged 100 per box. BAND-IT catalog # C256 or fully equal.

**Bracket, flared leg:**

Stainless steel with stainless steel bolt and washer. Minimum thickness .075. Ribbed for reinforcement. Packaged 50 per box. BAND-IT # D021 or fully equal.

Bidders are to state in the "Exceptions to Specifications" area on the Bid Form any minimum order quantities.

**GROUP FIVE SPECIFICATIONS: STEEL TRAFFIC SIGN POST**

The contract will consist of both ten foot (10') and twelve foot (12') lengths of galvanized post.

**The City intends to purchase complete truck loads of post when orders are placed.**

Delivery shall be a consideration. The maximum time allowed for delivery shall not exceed thirty (30) calendar days from receipt of purchase order.

Bundles of post shall be packed either, 5/10s or 20/5s or 10/10s and shall be supported by runner boards to facilitate unloading by forklifts. All post are to be strapped in master bundles of 50 or 100. Each bundle is to be tagged to indicate length of post in bundle. Failure to pack post as per these instructions may result in the City refusing to accept the load.

## **DETAILED POST SPECIFICATIONS:**

Construction: Either plain back or double ribbed back channel. Hot rolled new billet or rail steel meeting the mechanical requirements of ASTM.

### Rolling

Tolerances: In accordance with Commercial Standard Specifications which permit a plus or minus (+/-) 3 1/2 percent in weight.

Weight: Ten foot (10') lengths shall weigh two (2) pounds per foot before punching and galvanizing. Twelve foot (12') lengths shall weigh three (3) pounds per foot before punching and galvanizing.

Finish: Hot dipped galvanized finish to meet ASTM A 123.

### Mounting

Holes: 3/8" diameter holes, full length of post on one inch (1") centers.

## **GROUP SIX SPECIFICATIONS: TRAFFIC SIGNAL WIRE**

Loop wire is to be Type RHH-RHW-XLP-USE 12, 600 volt, stranded copper with a minimum insulation thickness of 45 mils.

Conductor is to be fully annealed class B stranded copper per ASTM B-3 and B-8 or B-787.

Insulation to be thermoset cross-linked polyethylene (XLPE). Insulation shall demonstrate excellent cut-through strength, abrasion resistance and chemical resistance.

Wire to be suitable for direct burial.

Wire is to be suitable for use in wet or dry areas.

Wire is to be coiled on 2500 ft. spools.

Wire is to be of domestic origin.

Wire is to be priced per foot.

**Special Note for Traffic Signal Wire Bidders: due to the ongoing instability of copper prices in the marketplace, awarded vendor may submit request for price increase after six (6) months instead of twelve (12) months as stated earlier in Invitation to Bid. Any request must be accompanied by proper manufacturer's documentation of across the board price increase(s) for copper wire products. All other requirements of the ITB shall apply.**

Delivery shall be a consideration. The maximum time allowed for delivery shall not exceed thirty (30) calendar days from receipt of purchase order.

Bidders are to state in the "Exceptions to Specifications" area on the Bid Form any minimum order quantities.

Advanced Digital # 8464 or fully equal.

## **GROUP SEVEN SPECIFICATION: SEALANT, LOOP WIRE**

The sealant shall be a one component water borne polymer product consisting of 100% acrylic resins with a minimum shelf life of one (1) year. Sealants requiring the mixing of two or more components are not eligible for consideration.

Sealant shall be capable of completely encapsulating the loop wire.

Sealant shall be non-conductive and shall not react with any pavement materials.

Sealant is to be non-flammable, non-hazardous and non-polluting.

Sealant viscosity is to be approximately 120-140 Krebs Units. Sealant shall be capable of being poured or pumped into saw slots.

Tensile strength of product is to be 180 - 400 psi with an elongation rating of 200-400 %.

Tack free time is not to exceed thirty (30) minutes. Product should not be stringy, sticky or gummy while curing and should not adhere to vehicle tires.

Cured sealant shall be resistant to common road oils, fuels, salt, antifreeze, and water.

Sealant shall be of a compound capable of being cleaned up with soap and water when wet. Sealants requiring solvents to clean when wet will not be considered.

Sealant is to be packaged in five (5) gallon pails.

**Sealant is to be priced per five (5) gallon pail.**

Delivery shall be a consideration. The maximum time allowed for delivery shall not exceed thirty (30) calendar days from receipt of purchase order.

Bidders are to state in the “**Exceptions to Specifications**” area on the Bid Form any minimum order quantities.

Safety Coatings, Inc. “LOOP GUARD FOUR” or fully equal.

## BID FORM

Mr. William Caffee  
 Asst. Purchasing Agent  
 City of Birmingham

Submitted below is my firm bid for the supply of various traffic control and highway maintenance items for a period one (1) year and month to month thereafter, in accordance with your invitation to bid and specifications dated June 5, 2015. Prices quoted are F.O.B. Birmingham, Alabama and are in exact accordance with specifications except as listed below.

### Group One: Glass Spheres

| Approx. Annual Quantity | Description   | Standard Bag Size (lbs) | Unit Price | Extended Total |
|-------------------------|---|-------------------------|------------|----------------|
| 75,000 lbs.             | Type 1 glass spheres with moisture resistant coating. As per specifications | lbs.                    | \$ lb.     | \$             |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Group Two: Traffic Cones

| Approx. Annual Quantity | Description                              | Brand & Item Number | Unit Price | Extended Total |
|-------------------------|--|---------------------|------------|----------------|
| 72 ea.                  | 12" traffic cones. As per specifications |                     | \$ ea.     | \$             |
| 720 ea.                 | 18" traffic cones. As per specifications |                     | \$ ea.     | \$             |
| 432 ea.                 | 36" traffic cones. As per specifications |                     | \$ ea.     | \$             |
| <b>Grand Total</b>      |  |                     |            | <b>\$</b>      |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Group Three: Sign Mounting Hardware**

| <b>Approx. Annual Quantity</b> | <b>Description</b>   | <b>Brand &amp; Item Number</b> | <b>Unit Price</b>  | <b>Extended Total</b> |
|--------------------------------|--|--------------------------------|--------------------|-----------------------|
| 60 ea.                         | Bracket, cantilever 14.5" As per spec. Vulcan # VS-1C or equal.                    |                                | \$ _____ ea.       | \$ _____              |
| 72 ea.                         | Bracket, Metro Wing. 24" As per spec. Hall # 800 or equal                          |                                | \$ _____ ea.       | \$ _____              |
| 72 ea.                         | Bracket, Metro Wing. 16.5" As per specs. Hall # 800 or equal.                      |                                | \$ _____ ea.       | \$ _____              |
| 144 ea.                        | Bracket, cross assembly. 5 1/2" as per spec. Hall # 990X or equal.                 |                                | \$ _____ ea.       | \$ _____              |
| 96 ea.                         | Bracket, cross assembly. 12"-90 degree as per spec. Hall # 12-CRX or equal.        |                                | \$ _____ ea.       | \$ _____              |
| 48 ea.                         | Bracket, cross assembly. 3.75"-45 or 180 degree as per spec. Hall # 457X or equal. |                                | \$ _____ ea.       | \$ _____              |
| 144 ea.                        | Bracket, cap assembly. As per spec. Hall # 922X or equal.                          |                                | \$ _____ ea.       | \$ _____              |
| 60 ea.                         | Bracket, cap assembly. 12" bracket as per spec. Hall # 1238X or equal.             |                                | \$ _____ ea.       | \$ _____              |
| 144 ea.                        | Bracket, cap, u-channel. As per spec. Hall # 91UX-OL90 or equal.                   |                                | \$ _____ ea.       | \$ _____              |
| 96 ea.                         | Bracket, cap u-channel. 12" 180 degree as per spec. Hall # 12U-180X or equal.      |                                | \$ _____ ea.       | \$ _____              |
| 96 ea.                         | Bracket, cap u-channel. 12" 90 degree as per spec. Hall # 12U-90X or equal.        |                                | \$ _____ ea.       | \$ _____              |
|                                |  |                                | <b>Grand Total</b> | \$ _____              |

**Sign Mounting Hardware Exceptions:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Group Four: Stainless Steel Banding and Buckles**

| Approx. Annual Quantity | Description  | Brand & Item Number | Unit Price    | Extended Total  |
|-------------------------|--|---------------------|---------------|-----------------|
| 18 ea.                  | Banding, stainless steel. 3/4" X .030 x 100' rolls. As per specifications. |                     | \$ _____ roll | \$ _____        |
| 10 ea                   | Buckle, stainless steel. 3/4", 100 per bx. As per specifications.          |                     | \$ _____ box  | \$ _____        |
| 8 ea.                   | Bracket, stainless steel. 50 per box. As per specifications.               |                     | \$ _____ box  | \$ _____        |
| <b>Grand Total</b>      |  |                     |               | <b>\$ _____</b> |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Group Five: Steel Traffic Sign Post**

| Approx. Annual Quantity | Description   | Brand & Item Number | Unit Price   | Extended Total  |
|-------------------------|---|---------------------|--------------|-----------------|
| 1200 ea.                | Post, traffic sign. 10 Ft. galvanized. As per specifications. |                     | \$ _____ ea. | \$ _____        |
| 400 ea.                 | Post, traffic sign. 12 Ft. galvanized. As per specifications. |                     | \$ _____ ea. | \$ _____        |
| <b>Grand Total</b>      |   |                     |              | <b>\$ _____</b> |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Group Six: Traffic Signal Wire**

| Approx. Annual Qty. | Description                                  | Brand & Item Number | Unit Price | Extended Total |
|---------------------|--|---------------------|------------|----------------|
| 20,000 ft.          | Wire, traffic signal. As per specifications. |                     | \$ /ft     | \$             |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Group Seven: Loop Wire Sealant**

| Approx. Annual Qty. | Description  | Brand & Item Number | Unit Price | Extended Total |
|---------------------|--|---------------------|------------|----------------|
| 60 pails            | Sealant, loop wire. 5 gal. pail as per specifications. |                     | \$ /pail   | \$             |

Exceptions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**GRAND TOTALS**

|  |                            |    |
|--|----------------------------|----|
|  | <b>GROUP 1 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 2 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 3 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 4 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 5 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 6 GRAND TOTAL</b> | \$ |
|  | <b>GROUP 7 GRAND TOTAL</b> | \$ |
|  | <b>GRAND TOTAL OF BID</b>  | \$ |

**REMINDER:** It is required for any contract exceeding \$10,000.00 that the bidder submits with his bid either a certified check, a cashier's check, or a bid bond payable to the City of Birmingham. In order for any bid award to be considered that exceeds \$10,000.00, your bid must be accompanied by an acceptable bid bond or check in the amount of \$500.00.

I hereby certify that we do not discriminate in employment of our personnel against any persons on account of race, creed, color, sex, or national origins, and acknowledge, and agree, that the City encourages minority – and women – owned business participation to the maximum extent possible. This policy includes Historically Underutilized Business Enterprises such as architectural firms, engineering firms, investment banking firms, other professional service providers, and construction contractors as part of the City’s business, economic and community revitalization programs.

**EXCEPTIONS TO SPECIFICATIONS:**

|                      |   |
|----------------------|---|
| _____                | _____   |
|                      | Date of Bid   |
| _____                | _____   |
|                      | Company   |
| _____                | _____   |
|                      | Street Address  |
| _____                | _____   |
|                      | Post Office Box (Zip if different the street address) |
| _____                | _____   |
| Tax ID Number        | City State Zip  |
| _____                | _____   |
| Name (Print or Type) | Terms of Payment                                      |
| _____                | _____   |
| Signature            | Delivery Date   |
| _____                | _____   |
| Title                | Telephone Number                                      |
| _____                | _____   |
| E-mail address       | Fax Number  |

Bidder acknowledges receipt of \_\_\_\_\_ addenda to the bid.  
(Number(s))

**IF AVAILABLE PLEASE SUBMIT COPY OF CURRENT CITY OF BIRMINGHAM BUSINESS LICENSE WITH THIS BID.**

**INDICATE THE FOLLOWING ADDRESSES IF DIFFERENT FROM ABOVE:**

1. **BID AWARD NOTICE ADDRESS**
2. **PURCHASE ORDER ADDRESS**
3. **REMITTANCE ADDRESS (and NAME if different than above)**