



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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J. THOMAS BARNETT, JR.
FINANCE DIRECTOR

RON NICKEL
PURCHASING AGENT

WILLIAM E. CAFFEE
ASSISTANT PURCHASING AGENT

September 3, 2015

INVITATION TO BID #15-70

Sealed bids for chassis mounted roadside sprayer - retrofit for the City of Birmingham, will be received by the Purchasing Agent, Room P-100 First Floor City Hall, Birmingham, Alabama, until 2:00 p.m., October 6, 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 (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.

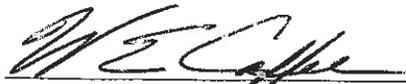
The City follows a policy of nondiscrimination. No contractor with the City should discriminate on the basis of race, sex, religion, or national origin. Failure by the Vendor to carry out these requirements is a material breach of its obligations, which may result in its termination or such other remedy 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 CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT - 2:00 P.M., 10/06/15**". 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., October 6, 2015. Bids received after this time will not be considered.


W E Caffee, Assistant Purchasing Agent

a.m.
B.N. 09/11/15

SPECIFICATIONS FOR CHASSIS MOUNTED ROADSIDE SPRAYER

GENERAL:

The City of Birmingham plans to purchase the chassis mounted roadside sprayer - retrofit specified in the document in the quantity indicated. Award will be based on the lowest price, responsive, responsible bid submitted.

The City reserves the right to make additional purchase of chassis mounted roadside sprayer - retrofit at the bid price at a later date if mutually agreeable to both parties.

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 \$1,000.00. 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.**

Vendor (and its employees, agents and any subcontractors) shall not discriminate on the basis of race, color, national origin, or sex in the performance of the services contemplated hereunder. 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.

Vendor acknowledges and agrees that, consistent with federal law and City's public policy, it will encourage disadvantaged business enterprise (DBE) participation to the extent permitted by law. A "disadvantaged business enterprise" is a for-profit small business concern (i) at least 51% owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51% of the stock is owned by one or more such individuals; and (ii) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it. In accordance with federal law, a "socially and economically disadvantaged individual" includes African-Americans, Hispanic Americans, Native Americans, Asian-Americans, women, and any additional groups designated as socially and economically disadvantaged by the Federal Small Business Administration.

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 the Purchasing Division, Attn: Artelia Macon, Principal Buyer at (205) 254-2265 or Fax: (205) 254-2484, between the hours of 9:00 a.m. & 4:00 p.m. Monday thru Friday.

SPECIFICATIONS
APPROXIMATELY ONE (1)
CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT
UNITED STATES ASSEMBLY
FOR
CITY OF BIRMINGHAM, ALABAMA

Vendor to supply two copies each maintenance, operating, and wiring manuals.

The better of the manufacturer warranty or a three year warranty period will begin with the effective equipment in-service date. Equipment recall notices should be mailed directly to Bob Rainey, Director, Equipment Management, 515 6th Avenue South, Birmingham, AL, 35205.

All participating bidders shall mark conspicuously - compliance or non-compliance with an "X" in the appropriate column beside each specified item. Those items marked in the "NO" column must be explained in detail on the provided "Exceptions to Specifications" pages.

Only new (unused) current standard production models built for the U.S. market will be considered acceptable. Printed literature and specifications describing equipment as offered must be included with proposal. Any recent changes/updates and or features offered as standard or required for the intended use of the specified equipment will be supplied. All accessories required by these specifications shall be identical in quality and design to those normally supplied and installed for sale through regular commercial channels.

Questions should be addressed to Mr. Bob Rainey, Director, Equipment Management, c/o Ron Nickel, Purchasing Agent, 710 North 20th Street, Birmingham, AL 35203.

GENERAL: It is the intent of these specifications to describe a complete installation of new roadside spraying system on an existing truck for the City of Birmingham, AL a 2008 GMC W-4500 with an approximate C.A. of 84". The truck is housed at the City of Birmingham Public Works Department Construction Division located at 800 Golden Flake Drive Birmingham, AL contact Teddy Kapera at 205-792-4900 to view the unit. The basic spray system shall include a centrifugal spray pump, pump motor, boomless spray head (1) and a computerized roadside rights-of-way, batch mix control and pumping system. All components in the water and chemical systems must be non-corrosive type, compatible with chemicals currently used by the City of Birmingham. The following herbicides are currently being used, 2 4-D Amine, Milestone VM, MSMA, Ranger Pro (Glyphosate), Plateau and Proclipise 65 WDG Pre-Emergent.

**APPROXIMATELY ONE
CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT
PAGE TWO OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

WATER TANK: The existing spray tank shall be retrofitted with a 4" air gap system thru the 4" center lid in the 16" man cover of the tank. ____

The system shall have a 2" supply line connected from the top of the tank to the bed of the truck. ____

The supply line shall have a 2" ball valve and a 2" male quick disconnect fitting with a dust cap ____

LOADING HOSE: Shall be (25) ft. long by 2" mill hose with a 2 1/2" NSH fire hydrant female on one end and a 2" female quick disconnect on the other. ____

WATER PUMP: The pump must be replaced with a centrifugal type, hydraulic driven with 1 1/2" inlet and 1 1/4" outlet. ____

The pump must be capable of producing 90 PSI and 60 GPM. ____

The pump inlet, outlet and injection point fittings must be brass or stainless steel (**no exceptions**). ____

The pump must have a suction strainer with a 20- mesh stainless steel screen installed on the inlet side of the pump. ____

The pump must have a high-pressure filter with a 40-mesh screen installed in the discharge line as close to the pump as practical (prior to the pressure reducing valves). ____

The pumping system must be able to maintain water pressure at a constant level as required for the intended use. ____

Mounting location for the water pump and related components must not limit access for normal maintenance. ____

**HYDRAULIC PRO
DRIVE SYSTEM:** The unit shall have a transmission PTO driven pressure, flow compensated, and load sensing hydraulic pump. This pump shall be sized to drive a model 9304C-HM4 (Hypro or equivalent) water pump to maintain flows and pressure when the engine is operated at idle speed or above. ____

**APPROXIMATELY ONE
CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT
PAGE THREE OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

The PTO hydraulic pump must be a variable displacement piston type, driven "live" from the chassis transmission power take off.

The on/off control switch for the water pump will be located in the cab control center.

The speed control for the spray pump will be a manual adjustable flow control valve installed between the hydraulic pump and the water pump drive motor.

A 2.5 inch liquid filled water pump pressure gauge will be installed at a location that can be easily viewed when adjusting the water pump speed control.

The hydraulic reservoir will have a minimum capacity of 25 gallons and include a suction strainer, return filter, sight glass, filler breather, and cut off ball valves in the return and suction lines. The mounting location for the reservoir will be below the chassis bed in an area that allows easy access.

The pumping system shall be drop well mounted under the truck bed.

**BOOMLESS NUTATING
SPRAY HEAD(S):**

The truck shall have a new nutating spray head mounted on the passenger's side of the truck.

The unit shall have a forward mounted mirror to give a complete view of the inside sprayer line.

All components of the spray head will be new, unused, and current production model No Exceptions.

The unit shall have a minimum of nine (9) clusters of spray tips, spraying widths of 1-32 feet wide from front tires edge.

The spray head must fold in and out with 6 inch actuators controlled via the switches in the console inside the cab.

**APPROXIMATELY ONE
CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT
PAGE FOUR OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

BOOM VALVE

MANIFOLD SYSTEM: The boom valves shall be TeeJet 450BEC. Pressure regulators are require.

___ ___

CAB CONTROL

CENTER: The cab control center shall have a swivel mount for operation from driver's and passenger's seat.

___ ___

COMPUTER CONSOLE: A TASC Model 6300 will be installed, no injection.

___ ___

A GPS unit shall provide the computer with ground speed and distance input.

___ ___

A flow meter will be installed in order to provide GPM flow to the computer console.

___ ___

The console shall have a minimum of nine (9) spray head solenoids indicator that operate in conjunction with solenoid switches in the mechanical console.

___ ___

All the spray head/boom sections must be programmable in 1" increments from 0-99 feet.

___ ___

1. During normal operation the computer must be able to display:
 - Actual and simulated test speed of vehicle
 - Total area sprayed in acres
 - Total chemical dispensed by each injection pump
 - Total volume of carrier and chemical dispensed
 - Width of individual spray head/boom sections
 - Distance traveled in feet-miles
2. The computer will display the following fault diagnostic information
 - Low voltage

___ ___

___ ___

___ ___

___ ___

___ ___

___ ___

___ ___

___ ___

___ ___

MECHANICAL

CONTROL

CONSOLE:

The unit shall have a control console with switches for dual spray head tilt and fold, beacon light, water pump on/off and spray width solenoid switches. All switches must be labeled for function, action, and indicator lights. Tape type (dymo) labels are unacceptable.

___ ___

PLUMBING &

WIRING:

All hoses and wiring must be new (unused). Any hose or wiring installed in locations where chaffing or other damage might occur must have protective coverings. All hoses and wiring will be adequately supported throughout the system.

___ ___

**APPROXIMATELY ONE
CHASSIS MOUNTED ROADSIDE SPRAYER - RETROFIT
PAGE FIVE OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

HAND AND WASH TANK:	A hand washing tank of no less than twenty (25) gallons shall be installed.	____	____
TRUCK BED:	The sprayer bed shall be removed and installed, chemical tank drop downs removed and plated, sand blasted, one coat of primer, and a non-skid powder coat on the bed.	____	____
WARRANTY:	A minimum of 12 months on total unit (except warranty offered by suppliers that are for a longer period of time). The vendor shall have an established parts and repair facility, with capability of sending replacement or loaner parts within a period of 48 hours.	____	____
INSTALLATION:	The work shall be completed at the vendor's location with the purchaser furnishing and delivering the truck to the vendor.	____	____
DELIVERY & TRAINING:	The successful bidder shall deliver the completed unit.	____	____
	At a time determined by the successful bidder and the City of Birmingham, the vendor must provide up to eight hours of operator and maintenance training.	____	____
	The successful bidder shall provide a reference/parts manual, power point training presentation and a schematic diagramming all plumbing and electrical connections	____	____
FOB:	515 6th Avenue South Birmingham, AL. 35205		

BID FORM

W. E. Caffee
 Assistant Purchasing Agent
 Birmingham, Alabama

Submitted below is my firm bid chassis mounted roadside sprayer - retrofit for the City of Birmingham, in accordance with your invitation to bid and specifications dated September 3, 2015. Prices quoted are F.O.B. Birmingham, Alabama delivered and I am bidding in accordance with specification except as listed below.

Approx. Qty.	Description	Make/Model	Unit Price	Extended Total
1	Chassis Mounted Roadside Sprayer Retrofit as per specification.		\$	\$

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))