

**FLOYD COUNTY BOARD OF COMMISSIONERS
PURCHASING DEPARTMENT
#12 East 4th Ave. Ste. 106
ROME, GA 30161**

(706) 291-5118

FAX (706) 290-6099

INVITATION TO BID

Date Issued: 16 February 2017

Sealed bids from suppliers will be received by the Purchasing Department of FLOYD COUNTY GEORGIA, at #12 East Fourth Ave, Suite 106 Rome, Georgia 30161, until 2pm, legally prevailing time on **2 March 2017**, for the purchase of:

**Roadside Sprayer
Bid# 17-0302-2**

After the time and in the Purchasing Department Conference Room Suite 106 , the bids will be publicly opened and read. No extension of the bidding period will be made.

Additional copies of bidding documents may be obtained at www.romefloyd.com, email graye@floydcountyga.org or in person at the Floyd County Administrative Building, Purchasing Department, #12 East Fourth Ave, Suite 106 Rome, Georgia 30162. Requests for documents should be filed promptly with the Purchasing Department.

Contract, if awarded, will be on a lump sum basis or individual item basis, whichever is in the best interest of the County. No bid may be withdrawn for a period of 60 days after time has been called on the date of opening.

The County reserves the right to waive compliance by any applicant with any provision contained in this request whenever the County in its sole discretion believes such waiver is in the County's best interests

**FULL BID PACKAGE MUST BE RETURNED IN SEALED ENVELOPE
CLEARLY MARKED**

**SEALED BID
Roadside Sprayer
Bid# 17-0302-2**

EVERETT GRAY, CPPB
PWC WAREHOUSE MANAGER

**FLOYD COUNTY GEORGIA
GENERAL TERMS AND CONDITIONS
INVITATION TO BID**

1. CHANGES: No change will be made to this invitation except by written modification by the County Purchasing Office. Requests for interpretation or changes must be in writing, grave@floydcountyga.org directed to the Floyd County Purchasing Department and received at least (5) Five Calendar Days prior to the time set for opening of the bids. Phone (706) 291-5118 Fax (706) 290-6099.

2. FOB POINT: Bid Price to include shipping, packing, crating, and unloading at address in BID INSTRUCTIONS. Title to remain with vendor until fully accepted by the County. Goods damaged or not meeting specifications will be rejected and removed at vendor's expense. Concealed damaged goods to remain the property of vendor until replaced or removed at County's direction.

3. RISK OF LOSS: Vendor agrees to bear all risk of loss, injury, and destruction of goods and materials ordered herein which occur prior to delivery to include concealed damage; and such loss, injury, or destruction shall not release vendor from any obligation.

4. BID ACCEPTANCE TIME: Bids requiring acceptance by the County in less than Sixty (60) calendar days could be rejected, unless so stated on **BIDDER'S RESPONSE PAGE** and accepted by the County.

5. BID IDENTIFICATION: All bids submitted as a result of this invitation must be returned in a sealed envelope with the following information in the lower left-hand corner of the envelope:

BID NAME AND OPENING DATE.

6. WITHDRAWAL OF BIDS: Bids may be withdrawn by written request only, if the request is received prior to the time and date set for the opening of bids. Negligence on the part of the bidder in preparing his bid confers no right of withdrawal or modification of his bid after bid has been opened. No bid may be withdrawn for a period of Sixty (60) days after time has been called on the date of opening.

7. BONDS: NOT REQUIRED FOR THIS BID

8. SITE INSPECTIONS: (If Applicable) Bidders should inspect the sites to ascertain the nature and location of work and the general conditions which could affect the work of the cost thereof. The County will assume no responsibility for representations or understandings concerning conditions made by its officers or employees unless included in this Invitation for Bid. While site inspections are not a mandatory requirement to submit a proposal, vendors are urged to schedule inspections to ascertain all the requirements of this invitation.

9. AWARD OF CONTRACT: Award will be made to that responsible bidder whose bid, conforming to the Invitation for Bid, will be most advantageous to the County; Price and other factors considered. The County reserves the right to waive compliance by any applicant with any provision contained in this request whenever the County in its sole discretion believes such waiver is in the County's best interests. A written award, mailed (or otherwise furnished) shall be deemed to result in a binding contract without further action by either party. Contract (s), if awarded, will be on a lump sum basis **or** individual item basis, whichever is found to be in the best interest of FLOYD COUNTY.

9.1: The vendor, in accepting this contract, attests that he is in compliance with the Nondiscrimination Clause contained in Section 202 of Executive Order 11246, as amended, relative to equal employment opportunity for all persons without regard to race, color, religion, sex, or national origin, and the implementing rules and prescribed by the Secretary of Labor, which is incorporated herein by reference.

10. EXCEPTIONS TO SPECIFICATIONS: Any award resulting from this invitation shall bind the bidder to all Terms, Conditions, and Specifications set forth in this invitation. Bidders whose bids do not conform should so note on separate page if necessary and/or on the **BID SCHEDULE**. While the County reserves the right to make an award to a nonconforming bidder, when in the best interest of the County, such awards will not be readily made, and bidders are urged to conform to the greatest extent possible. No exceptions will be considered to have been taken by bidder unless it is properly set out as provided above. No exception will be deemed to have been taken by the County unless incorporated in an award resulting from this invitation and so stated.

11. BID RESULTS: Interested parties may review and/or print **BID TABULATION** @ www.romefloyd.com **24 hours after bid opening** or contact the Floyd County Purchasing Office should the tabulation not be available on the website.

12. PAYMENT: Payments will be made upon all items completed each month or completion of all work and acceptance by county on invoices submitted and approved by the proper county representative within (30) thirty days receipt of invoice unless paragraph 14 applies. Invoices are to be submitted to: Floyd County Purchasing, P. O. Box 946, Rome, Ga. 30162

12.1 Itemize all invoices in full. Mail the original invoice to the address above. A shipping or receiving ticket will be signed and a copy left with each delivery. Each invoice including receiving/shipping ticket is to include the following minimum information:

- | | |
|-------------------------------|---|
| 1. Date invoice is submitted; | 5. County department; |
| 2. Purchase order number; | 6. Item(s) or service |
| 3. Payment terms; | 7. Quantity of each item or service |
| 4. Date of transaction; | 8. Bid price of each item or service with any discounts |

Invoices received with any of the required information listed above missing may not be considered as a "correct invoice". All invoices submitted will be closely monitored for accuracy. Any invoice found to be incorrect will be returned to vendor for correction.

12.2 Vendor must furnish delivery receipt with invoice identifying that this order has been delivered in accordance with Specifications, Quantities, and Price as set forth on the purchase order. A Floyd County employee's signature must appear on the delivery receipt or invoice.

12.3 Items on this order are exempt from Federal Excise Tax and Georgia Sales and Use Tax. . A certificate will be furnished if requested. FLOYD COUNTY is exempt from taxes but the successful bidder shall pay all taxes required of him by law and FLOYD COUNTY can not exempt others from tax.

12.4 Payment terms and provisions herein or otherwise found within the contract documents supersede all provisions of the Georgia Prompt Pay Act (House Bill 837; 13 O.C.G.A. Chapter 11 **ET. SEQ.**).

13. INQUIRIES REGARDING PAYMENT: All inquiries regarding payment of invoices are to be directed to Accounts Payable (706) 291-5113 or Floyd County Commissioners, Attn: Accounts Payable, P.O. BOX 946, Rome, Georgia 30162

14. DISCOUNTS: Prompt payment discounts offered for a period of less than Fifteen (15) Days will not be considered in determining the low bidder on this invitation. However, such discounts, when offered, will be taken provided payment is made within the time specified. Time, in connection with discounts for prompt payments, will be computed from the date of acceptance of work for which payment is claimed, or the date the correct invoice is received by the County, whichever is later.

15. EXECUTION OF CONTRACT: Subsequent to the award, the successful bidder will be presented with a contract which may be in the form of a purchase order. Contract is to be executed within Ten (10) calendar days of "**NOTICE OF AWARD**" together with the required payment and performance bonds prescribed in Paragraph 7B. If the contract document is mailed, the date of presentation shall be deemed to be the postmark date. The successful bidder's proposal and this Invitation for Bid shall be incorporated into the contract, except to the extent that this invitation conflicts with the contract, in which case the provisions of the contract shall take precedent.

16. CERTIFICATE OF INSURANCE: Successful bidder will be required to furnish a Certificate of Liability insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000.00) per occurrence to protect the County throughout the life of the contract against "**ALL RISKS**". Coverage to include but not limited to General Liability: Comprehensive Form, Premises/Operations, Products/Completed Operations, Broad Form Property Damage, Personal Injury, and Automobile/Vehicle Liability. Worker's compensation and Employer's Liability are to be statutory amounts. On all contracts for vehicle repair of any kind, the successful shall provide at least Five Hundred Thousand Dollars (\$500,000.00) of Garage Liability insurance in addition to the insurance stated above. The Certificate must be furnished within Ten (10) calendar days of a "**NOTICE OF AWARD**" being issued.

17. INCLUSION: All items and/or services standard, expected, necessary, and/or routine to such a project as this and not actually stated in this Invitation for Bid will be the responsibility of the successful bidder to provide at no other cost to the County unless so stated on the successful bidder's proposal as additional cost items and accepted by the County at the time of the award and/or contract.

18. REGULATORY AGENCIES: Successful bidder will be responsible for all required permits or license required by regulatory agency of the City, County, State, or Federal Governments. Further, successful bidder will be responsible for meeting all requirements of any regulation (s) or guideline (s) of any of the said Governments or any independent agency recognized by said Governments as publisher of any such regulation (s) or guideline (s).

19. INDEPENDENT CONTRACTORS: The bidder represents to FLOYD COUNTY that he is fully experienced and properly qualified to perform the functions provided herein and that he is properly equipped, organized, and financed to perform such functions. The bidder shall finance his own operations hereunder, shall operate as an independent contractor and not as an agent of FLOYD COUNTY and nothing contained in this Invitation for Bid or a contract resulting from same shall be construed to constitute the bidder or any of his employees, servants, agents, or subcontractors as a partner, employee, servant, or agent of the County nor shall either party have any authority to bind the other in any respect; it being intended that each shall remain an independent contractor.

20. ASSIGNMENT OF CONTRACTUAL RIGHTS: It is agreed that the successful bidder will not assign, transfer, convey, or otherwise dispose of a contract that results from this invitation or his right, title, or interest in or to the same, or any part thereof, without written consent of the County.

21. STARTING TIME: Work will commence within stated calendar days after being issued a "NOTICE TO PROCEED" on the project and commence in a routine, orderly manner until completion and acceptance by the County.

22. INDEMNITY: Successful bidder agrees, if entering into a contract as a result of this invitation, to defend, indemnify, and hold harmless FLOYD COUNTY from any and all courses of action or claims of damages arising out of or related to bidder's performance or actions or those of his employees or agents, under said contract.

23. TERMINATION: Pursuant to O.C.G.A. 36-60-13, if applicable, any contract resulting from this Invitation for Bid, if not sooner terminated pursuant to the provisions of termination contained herein, is terminable by the Board of Commissioners of FLOYD COUNTY, Georgia on December 31 of each calendar year during the term of said contract, except that said contract shall be renewed automatically on such date, and without any lapse, unless positive action is taken to terminate said contract by the Board in a public meeting and such action entered in the Official Minutes of the FLOYD COUNTY Commission.

24. APPROPRIATION OF FUNDS: Initial contract and any continuation contract (s) will terminate immediately and absolutely at any such time as there are no appropriated and otherwise unobligated funds available to satisfy the County's obligations under said contract (s).

25. CANCELLATION FOR CAUSE: Should either party fail to comply with the Terms and Conditions of this contract, the aggrieved party must give, in writing, to the other party any complaint for non compliance to the Terms and Conditions of this contract. The other party shall have Fifteen (15) calendar days to correct the matter. If corrected to the satisfaction of both parties within the Fifteen (15) calendar days and stated in writing, then the contract will continue uninterrupted. Failure to correct the matter will result in termination of this contract at the end of Thirty (30) calendar days following the date of the initial letter of complaint.

26. LIQUIDATED DAMAGES: NONE

27. ANTI-DISCRIMINATION CLAUSE: "FLOYD COUNTY does not discriminate against any person because of race, color, religion, national origin, or handicap in employment or service provided."

28. COMMODITY STATUS: It is understood and agreed that materials delivered shall be new, of latest design, and in first quality condition, that all bags, containers, etc., shall be new and suitable for storage; unless otherwise stated by FLOYD COUNTY.

29: CONTRACT ITEMS: Items or services not listed in this contract are to be purchased according to purchasing rules and regulations of the county.

- County departments are not authorized to order any item or service not listed without satisfying said rules and regulations and having a separate purchase order issued to cover such a purchase.
- Vendors receiving contracts as a result of this invitation will be expected to consider this when accepting orders.
- * Payment will not be made for any item not covered by this contract unless stated Purchasing Rules and Regulations have been met.

30: CHANGES TO CONTRACT: No change will be made to this contract except by written modification by the Contracts Administrator whose name appears on the cover page. Additional items of same brand and similar product required during the course of the contract, will be provided at like discounts to similar items on contract.

31: LOCATION FOR DELIVERY OF GOODS OR EQUIPMENT: Purchase Order or as specified by location BY FLOYD COUNTY

32: Bid Submissions: Complete and return all forms attached with Bid Documents.

BIDDERS DECLARATION

The bidder understands, agrees and warrants:

That the bidder has carefully read and fully understands the full scope of the specifications.

That the bidder has the capability to successfully undertake and complete the responsibilities and obligations in said specifications.

That the bidder shall have NO CONTACT with Floyd County during the invitation to bid or evaluation process except through official channels as provided in this bid document. Violations may be subject to the bid being disqualified and or rejected. Further all County Personal are to report any contact by bidding vendor during an ongoing bid process and direct any questions/statements or otherwise to the Purchasing Department for an official response.

That this bid may be withdrawn by requesting such withdrawal in writing at any time prior to 2PM 2 MARCH 2017 but may not be withdrawn after such date and time.

That Floyd County reserves the right to waive compliance by any applicant with any provision contained in this request whenever the County in its sole discretion believes such waiver is in the County's best interests

That by submission of this quote the bidder acknowledges that Floyd County has the right to make any inquiry or investigation it deems appropriate to substantiate or supplement information supplied by the bidder.

That the accompanying bid is not the result of or affected by, any act of collusion with another person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under Georgia or United States law.

BIDDER:

Company Name: _____

Phone: _____

Name Print: _____

Signature: _____

Email: _____

Date: _____

FLOYD COUNTY BOARD OF COMMISSIONERS
PURCHASING DEPARTMENT
P. O. BOX 946
ROME, GA 30162

(706) 291-5118

FAX (706) 290-6099

BIDDERS INFORMATION

Date of Bid: _____

Bid Name: _____

The undersigned agrees, if this bid is accepted within Sixty (60) calendar days after date of opening, to furnish all supplies and/or services in strict accordance with provisions of this Invitation for Bid at the price in the **BID SCHEDULE**.

Time Discounts: Discounts allowed for prompt payment as follows: Discounts of less than Fifteen (15) days will not be used in determining the award of a bid but may be used when paying invoices.

_____ % Discount _____ Calendar Days net _____ (discounts will apply if Procurement Card is accepted).

Procurement Card: Will you accept the VISA Procurement Card for this order? _____

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I understand that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and Civil Damage Awards. I agree to abide by all Conditions of this bid and certify that I am authorized to sign this bid for the bidder.

This _____ Day of _____, 201__

Prices to remain firm for Sixty (60) calendar days or _____ calendar days after date of opening. Vendor MUST initial here: _____.

Bidder Information
(Type or Print)

Name and Mailing Address
of where to send payments

Name of Company

Name of Company

Address

Address

City, State Zip Code

City, State Zip Code

(_____) _____
Phone Number

(_____) _____
Phone Number

(_____) _____
Fax Number

Federal ID #

Email _____

Name and Title of Person
authorized to Sign

Name

Title

Signature

CERTIFICATE OF NON-DISCRIMINATION

In connection with the performance of work under this contract, the bidder agrees as follows:

The bidder agrees not to discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, ancestry or disability. The vendor shall take affirmative action to insure that employees are treated without regard to their race, creed, color, sex, national origin, ancestry or disability. Such action shall include, but not be limited to the following: employment, upgrading, demotion, transfer, recruiting, or recruitment, advertising, lay-off or termination, rates of pay or other compensation and selection for training, including apprenticeship.

In the event of the bidder's non-compliance with this non-discrimination clause, the contract may be canceled or terminated by Floyd County Board of Commissioners. The bidder may be declared, by Floyd County, ineligible for further contracts with Floyd County until satisfactory proof of intent to comply shall be made by the vendor.

The bidder agrees to include this non-discrimination clause in any sub-contracts connected with the performance of this agreement.

BIDDER

SIGNATURE

TITLE



CERTIFICATE OF NON-COLLUSION

By responding to this solicitation, the supplier understands and agrees to the following:

1. That the submitted response constitutes an offer, which when accepted in writing by Floyd County, and subject to the terms and conditions of such acceptance, will constitute a valid and binding contract between the undersigned and Floyd County; and
2. That the supplier has read the specifications and requirements shown or referenced in the solicitation and that the supplier's response is made in accordance with the provisions of such specifications and requirements except as expressly stated otherwise in the supplier's response; and
3. That the supplier guarantees and certifies that all items included in the supplier's response meet or exceed any and all such stated specifications and requirements of the solicitation except as expressly stated otherwise in the supplier's response; and
4. That, if awarded a contract, the supplier will deliver goods and/or services that meet or exceed the specifications and requirements of the solicitation except as expressly stated otherwise in the supplier's response; and
5. That the response submitted by the supplier shall be valid and held open for a period of one hundred and twenty (120) days (or such other time period as identified in the solicitation) from the final solicitation closing date and that the response may be held open for an additional period of time subject to the supplier's consent; and
6. That the supplier's response is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and is in all respects fair and without collusion or fraud. The supplier understands and agrees that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards; and
7. That the provisions of the Official Code of Georgia Annotated, Sections 36-91 have not been violated and will not be violated in any respect.

DO NOT MODIFY THE BID/PROPOSAL CERTIFICATION TERMS IN ANY WAY. THIS FORM MUST BE COMPLETED, SIGNED AND SUBMITTED WITH YOUR RESPONSE.

Contractor's Full Legal Name: (PLEASE TYPE OR PRINT)	
Authorized Signature:	
Printed Name and Title of Person Signing:	
Date:	
Company Address:	
FAX Number:	
Email Address:	
*This table must be completed in its entirety by the supplier.	

ATTACHMENT

**FLOYD COUNTY BOARD OF COMMISSIONERS
DRUG-FREE WORKPLACE CERTIFICATE**

By signature on this certificate, the Vendor certifies that the provisions of O.C.G.A. Section 50-24-1 through 50-24-6 related to the “Drug-Free Workplace Act” have been complied with in full. The Vendor further certifies that:

1. A drug-free workplace will be provided for the Vendor’s employees during the performance of the contract; and
2. Each Vendor who hires a subVendor to work in a drug-free workplace shall secure from that subVendor the following written certification: “As part of the subcontracting agreement with (Vendor’s name), (subVendor’s name) certifies to the Vendor that a drug-free workplace will be provided for the subVendor’s employees during the performance of this contract pursuant to O.C.G.A. Section 50-24-3(b)(7).”

By signature on this certificate, the Vendor further certifies that it will not engage in the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana during the performance of this contract.

Vendor: _____

By: _____

Name Printed: _____

Title: _____

Date: _____

Contractor Affidavit under O.C.G.A. § 13-10-91(b)(1)

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of Floyd County Georgia has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

Federal Work Authorization User Identification Number

Date of Authorization

Name of Contractor

Address of Contractor

Name of Project

FLOYD COUNTY GEORGIA

Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.
Executed on _____, ____ in 201__ in _____(city), _____(state).

Signature of Authorized Officer or Agent

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE _____ DAY OF _____, 201__.

NOTARY PUBLIC

My Commission Expires:

(Notary Seal or Stamp Required)

**FLOYD COUNTY GEORGIA
BID SPECIFICATION
Chassis Mounted Roadside Sprayer
Bid 17-0302-2
2pm March 2017**

It is the intent of these specifications to describe a complete operable Roadside Spraying System for the controlled application of herbicides. The system will be installed on a suitable new chassis that may be supplied by bidder and delivered Floyd County Georgia Public Works located at 337 Blacks Bluff Rd Rome Ga. 30161.

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 the proposal. Any recent changes and or features offered as standard or required for the intended use will be supplied. All accessories required by specifications shall be identical in quality and design to those normally supplied and installed for sale through regular commercial channels

Bidder will state exceptions to specifications on a separate sheet and guarantee that they will meet or exceed all County specifications, unless so stated

NOTE

- ***Floyd County may or may not award both the truck with the sprayer unit whichever is in the best interest of Floyd County.***
- ***Pricing on the bid sheet will be separate.***
- ***Should Floyd County award only the sprayer unit, Floyd County will provide the Truck cab and chassis to the awarded bidder.***

Truck Cab and Chassis Specification

General. Bidder may or supply a truck cab and chassis comparable in size and capacity of a Ford F450. The Supplier if awarded both the truck and the sprayer the supplier will be responsible to ensure the vehicle has the capacity to mount and haul the sprayer unit safely when completely full.

Comparable to a current year model Ford F450 Cab and Chassis only

Dual Wheel

Diesel engine manufacture standard

Outside color: White

AM/FM Radio

Heat and Air

All other equipment will be manufacturer standard

Exceptions to the above will be noted on a separate exception page and provided with the bid.

Roadside Sprayer Unit Specification

GENERAL DESCRIPTION: The basic spray system shall include a water tank, centrifugal spray pump and diesel engine, chemical tanks, flatbed, boomless spray head, computerized chemical injection control and pumping system. All components in the water and chemical systems must be non-corrosive type and compatible with the chemicals currently being used for vegetation control by Floyd County, Ga.

CONTROL MANIFOLD: Shall have, (9) nine electrically controlled motorized ball valves, pressure regulators, pressure gauges, and a pressure gauge to monitor line pressure. Brass quick couplers shall be installed between the hoses and nozzles and be of at least 3/8" in size. Male couplers mounted on the heads and female couplers mounted on the hoses. The control manifold shall be mounted on the truck bed headache rack for easy view of the operator,

CAB CONTROL CENTER: Must have a computer console and separate electromechanical console (no exceptions). Both consoles will be installed inside a steel framework attached to a double articulating arm that allows either the driver or passenger to operate controls conveniently. The arm shall be securely attached to a floor mounted 3 in. minimum diameter pedestal. All controls cables connecting the control center to the sprayer components will be run thru the pedestal. The control center electrical system and related components will not require any additional power source or storage capacity other than that which is normally supplied as heavy duty by chassis manufactures. It will be possible to easily service or replace the mechanical console without opening, removing, or disturbing the computer console. All spray system controls must be in either the mechanical or computers console, The electro-mechanical console shall simultaneously control the tilt of a minimum of two (2) spray heads, six (6) chemical tank agitator motors with hi/low feature, main water pump clutch, strobe light, up to nine (9) boom switches, indicator lights for each function that is in use, six (6) low chemical warning lights, master on/off switch, and rotor switch to control normal boom settings, optional settings, handgun use, and ground speed override. All switches will be labeled for function and action and include indicator lights.

BOOMLESS NUTATING SPRAY HEADS: The spray head will be mounted behind the cab and attached to a swing post and mounted in a socket welded in the right and left front corners of the bed. The swing post will have a 12 volt electric actuator to swing the head assembly 90 degrees. The swing post will be a 2 Y2" schedule-40 steel pipe. The socket assembly must include a breakaway feature with a manual brake adjustment. The spray head must produce a 3611. wide (horizontal plane), no-streak spray pattern, using all brass or stainless steel, solid stream nozzles (plastic nozzles are not acceptable). The spray head must have eight (8) adjustable nozzle assemblies that produce individual spray swaths with widths of 2-11., 2-ft., 4-11, 4-ft., 4-ft., 6-ft., 6-11., and 841. The first four- (4) nozzles assemblies must nutate at 45 Hz to produce uniform (no streak) spray patterns .for a combined coverage of 12-ft. The nozzles must be sized for a total application rate of 25 gallons per acre at 11 mph. The spray head will have large removable, metal side

panels to reduce wind shear and protect components from roadside obstructions. Two nozzles on a swivel shall be mounted below the spray head-mounting socket. These nozzles will cover the area forward and to the rear of the sign and guardrail posts. The spray heads shall be controlled by the operator of the vehicle and be electrically adjustable in a vertical plane to 30 degree tilt (up-down). This will allow uniform applications to small or large brush or slopes in the right of way.

COMPUTER CONSOLE: Will be a TASC 6300 MID-TECH. The console must operate a minimum of three (3) chemical injection pumps and automatically maintain operator programmed output rates at a plus or minus 2% for each pump. When the spray width or vehicle speed changes the computer will adjust the speed (output) of the injection pumps within 5 tenths of a second. A truck frame mounted radar unit will provide the computer with ground speed and distance input. The computer must be capable of maintaining primary and secondary application rates for each chemical injector pump and allow a manual change of preprogrammed application rates and spray widths on the go. Included in the console shall be nine (9) spray head indicator lights that operate in conjunction with solenoid switches in the mechanical console. Each of the nine- (9) spray head/boom sections must be programmable in 1-inch increments from 099 feet,

During normal operation the computer will display the following:

- Actual and simulated test speed
- Total area sprayed in acres
- Total chemical dispensed by each injection pump
- Primary and alternate application rates for each chemical injection pump in ounces per acre
- Total volume of carrier and chemical dispensed
- Width of individual spray head/boom sections
- Distance traveled in feet-miles
- Automatically scan information available on LCD screen The computer will display the following fault diagnostic information:
 - Malfunctioning chemical pump
 - Chemical pumps shutdown
 - Chemical pumps operating to slow or to fast
 - Low voltage

CHEMICAL INJECTION: Will be achieved with computer controlled, DC powered, peristaltic pumps (no exception). The pump drive motors and controllers will be protected with rugged weather tight enclosures. The pumps will inject chemicals directly into the carrier at the inlet of the carrier pump. The pumps will be Legacy type with output rates ranging from a minimum of one ounce per minute to a maximum of 350 ounces per minute, A set of injection hoses shall be supplies with the each injection pump and the sizes shall be 3/16", 1/4", 3/8", and 1/2". There shall be three (3) injection pumps installed on the unit.

CONE BOTTOM CHEMICAL TANKS (S): The tanks shall be ultra-violet stabilized, polyethylene type with a 10-inch diameter positive locking lid. All tanks must have easily visible gallonage markers. There will be a three (3) brass ball valve installed under each tank for delivering chemical to the pump, tank shut off, and draining the chemical tank. The tanks shall be three (3) 30 gallon and white in color. A calibration stand shall be mounted as close to the injection pumps and tanks for ease of calibration. Each tank will be installed in a low-mount stand with a heavy-duty adjustable steel band encircling the top vertical portion of the tank. A low chemical sensor will be installed in each tank.

CHEMICAL TANK AGITATORS: The agitator drive motor will be mounted outside the tank for ease of maintenance. The motor must have a Viton lip seal for corrosion protection. On and off for the agitators and hi/low speed control must be in the cab console center.

WATER PUMP: Shall be a centrifugal type, 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. A suction strainer with 20-mesh stainless steel screen will be installed on the inlet of side of the water pump. A high-pressure filter, with a 40-mesh screen will be installed in the pump discharge line prior to the pressure reducing valves. The pump systems shall 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.

WATER PUMP POWER: Shall be supplied by a 14hp. Minimum single cylinder gas engine and to have: electric start and shut down mounted at the cab control center. Engine shall be mounted low profile and below the level of the truck bed on the passenger side of the vehicle. The water pump will be belt driven from the engine utilizing a direct mount heavy-duty 12-volt DC electromagnetic clutch. Clutch power will be through a pump on/off switch in the cab control center. The water pump and motor assembly must be mounted on a removable base attached to the motor well floor with vibration dampers. There must be adjustment slots uniformly cut in the mounting base to allow drive belt adjustment. The motor mounting location will not limit access for normal maintenance. All belts, pulleys, shafts, must have safety guards.

PLUMBING: All fittings to be brass or equal (unless otherwise stated) to eliminate corrosion. All hose and fittings will be rated to exceed by 50 percent any maximum operating pressures possible in their respective systems. Any hoses installed in locations where chaffing or other damage might occur must have protective coverings. All hoses will be adequately supported throughout the system.

HANDGUN AND HOSE REEL: The unit shall have one manual hose reel with 100 ft, of 1/2" X 600-PSI PVC hose. The hose reel shall be mounted underneath truck bed on driver's side or best location and have a hand gun #43 type Spraying Systems.

WATER TANK: Shall be an elliptical leg tank with 500-gallon capacity (no exception). The tank shall have a removable, anti-surge, "Butterfly Baffle" system that reduces tank volume by no more than 1.5%. Bolt in baffles or tank indentations will not be acceptable. The tank and baffle material must be UV stabilized polyethylene. The tank will be secured to a chassis mounted flat bed with two- (2) heavy duty, galvanized, tubular steel bands. The base plates for each band must be with bolts that pass through the flat bed deck and bed cross-member. The bands must provide adequate support for continuous off-road operation. The tank lid must be 16 in. in diameter minimum, positive locking type with air vent to prevent damage from excessive pressure or vacuum. There shall be 1 1/2" ball valves installed at each end of the tank, as close to the bottom as possible. The valves must be directly mounted to the tank with bulkhead fittings. Hose connections between the ball valves and the tank will not be accepted. It must be possible to open and close ball valves from right curbside of the truck while standing on the ground. Both tank valves will be plumbed to a "T" fitting mounted below the bottom center of the tank, which in turn is plumbed to the water pump inlet. The hose between the tank and water pump shall be 1 1/2", non-collapsible suction type. The tank shall have a clear 3/4" sight tube in each end of the tank.

AGITATION: Shall be a "Sparger Tube" running the full length of the tank, constructed of a chemical resistant material and capable of providing required agitation.

HYDRANT FILLING: There shall be a 2-in, air gap opening for a fire hydrant filling, located on top of the water tank. A 2-in, ball valve with dust cap shall be mounted on the passenger side of the bed with a 2-in, male quick disconnect fitting. A 2-in. by 25 ft. loading hose shall be supplied with a brass swivel fire plug connection.

LCG FLATBED: Will be a custom low mount design. The bed height will be 8-in. maximum above the top of the frame rails. The bed deck will be 1/8" diamond plate steel. The cross member channel shall be 3" (41bs. per foot) and on 18" to 24" centers. The bed shall have a solid headache rack and two strobe lights mounted on each corner. The bed shall be a straight bed design with the three (3) chemical tanks mounted on the rear of the bed in bolt on racks. The bed shall have a rear step bumper to aid in filling the chemical tanks, and all lights per Federal DOT standards. The bed shall include two anti-sail mud flaps and installed behind the rear wheels. The bed shall be painted black in color.

CHEMICAL LOADING: The spray unit shall have a chemical loading system consisting of a manifold and pump. The pump will be a two (2) piston diaphragm design with capabilities of 13 GPM. The manifold shall consist of four (4) valves capable of directing the flow of chemical to each tank for loading and/or unloading chemical from the ground. There shall be marked labels on each valve to show the direction of the chemical. A connection on the main tank shall be installed to be used for water or flushing chemical system.

SAFETY WASH TANK: Shall be a 9 gallon safety hand wash tank mounted as close as possible to the chemical loading system.

TOOL BOXES: At least (one)1 toolbox shall be mounted underneath the side of the bed after installation of all spray equipment. The toolboxes will have extruded rubber seals around doors to prevent dirt and water entry. The doors will have paddle type locking handles and the boxes will be 18" X 18" X 24" and the amount of boxes will be determined by space available.

MAINTENANCE KIT: Shall consist of a large filter screen, small filter screen, o-rings, extra set of injection pump hoses (3/16-in, 1/4-in., 3/8-in., 1/2-in.) for each pump, one (1) 5 oz. tube lube, and other items for quick repair of unit.

OPERATION MANUALS: Each sprayer system furnished shall include two (2) operation manuals that cover all aspects of the system and diagrams of all spray operations.

TRAINING: One training session shall be provided for operators covering total operation of the system and vehicle for up to eight (8) hours.

- Training to include the following:
- (A) How to utilize the sprayer for all possible application techniques.
- (B) How to incorporate the various herbicides programs through the computerized injection system.
- (C) Maintenance programs.

WARRANTY: Will cover parts and service for a minimum of one-year. Any components with a longer manufacturer warranty will be listed. Additionally the vendor must provide a loner injection sprayer control (computer) or injection pump within 24 hours from the time user agency and manufacturer (vendor) determine repairs cannot be made in the field. Vendor must operate full-time parts and service facility offering factory authorized service. Each unit shall include all inspection coupons, certicards, warranty identification cards furnished to the trade in general accordance with standard warranty policy.

Exceptions to the above specifications will be noted on a separate exception page and provided with the bid.

FLOYD COUNTY BOARD OF COMMISSIONERS

Bid 17-0302-2

Roadside Sprayer

OPENING: 2 March, 2017

TIME: 2:00 PM

TO: Floyd County Purchasing Department
12 E. 4th Ave. Suite 106, Rome, Ga. 30161

We, the undersigned, agree to furnish and deliver the equipment in accordance with the specifications issued for same, and subject to all terms, conditions, and requirements provided therein, and in the various request for bid documents, at the following price:

A. Truck Cab and Chassis

Bid Price \$ _____

Make _____ Model _____

Sprayer Unit

Bid Price \$ _____

Make _____ Model _____

B. Delivery from the date of order _____ Calendar Days.

- The above may be considered in determining the award.

C. Any alterations in figures on this form must be initialed in ink by persons signing the proposal.

D. Floyd County is exempt from all local, state, and federal taxes, and prices stipulated by the bidder are considered maximum, and are not subject to any increase due to any taxes, or any other cause or reason.

E. Supplier Contact: _____
(Print or Type Name)

Telephone Number: _____

F. COMPANY NAME _____

ADDRESS _____

SIGNATURE _____

TITLE _____

DATE _____