



COVER PAGE

Bid Proposal # 2134

CHASSIS MOUNTED ROADSIDE SPRAYER

Sealed bids and electronic submitted bids for the above will be received until **10:00 AM CST, Tuesday, September 19, 2017** and publicly opened in the City of Alexandria Council Chambers or Council Committee Room.

Please file bid by one of the following means:

Hand-Delivered or Express Delivery:

**Attention: Donna Jones, City Clerk
City of Alexandria - City Hall
915 Third Street, First Floor
Alexandria, LA 71301
Phone: 318-449-5090**

Mailed via USPS:

**Attention: Donna Jones, City Clerk
City of Alexandria - City Hall
PO Box 71
Alexandria, LA 71309-0071**

Electronic Bid Submission: Central Bidding

Pursuant to Louisiana R.S. 38:2212 B.(6)(a) through E. (1-7) and R.S. 38:2212.1 B.(4)(a), vendors/contractors have the option to submit their bids and bid bonds electronically. Bids and bonds to be filed electronically shall be posted with **Central Bidding** at www.centrauctionhouse.com (phone 1-225-810-4814). Registration will need to be completed prior to posting of bid.

Complete bid specifications are available for viewing and downloading at the City of Alexandria's website www.cityofalexandriala.com ; on the left hand side of the opening page, go to the heading "*Business*" then drop down to "*RFP/RFQ/Bids*"; the current bids will be listed for your convenience.

City of Alexandria Buyer Name:	<u>Wilma Kelly, Senior Buyer</u>
Phone Number:	<u>(318) 441-6162</u>
Fax Number:	<u>(318) 619-3415</u>
E-Mail Address:	<u>wilma.kelly@cityofalex.com</u>



Joe C. Despino
Purchasing Manager

City of Alexandria
Purchasing Department
P.O. Box 71
Alexandria, Louisiana
71309-0071



Office: (318) 441-6180
Fax: (318) 441-6185

Sealed bids will be received until **10:00 AM, Tuesday, September 19, 2017**, and publicly opened in the Council Chambers or Council Committee Room.

City of Alexandria Bid #2134
Page: 1 of 23
Date Specifications Prepared: July 12, 2017

Bid Bond Requirements: A bid bond or check for N/A% of the total amount of bid.

Performance Bond Requirements: In the event bid is accepted, a performance bond shall be required in the amount of N/A%.

Please file bid with the following:
Donna Jones, City Clerk
City of Alexandria - City Hall
915 Third Street
P.O. Box 71
Alexandria, LA 71309-0071
Phone: 318-449-5090

INTRODUCTION

CHASSIS MOUNTED ROADSIDE SPRAYER

It is the intent of the City of Alexandria to secure pricing on a minimum of one (1) Chassis Mounted Roadside Sprayer, for use by the City of Alexandria Street Department. Bid proposals shall be for a Chassis Mounted Roadside **body only**. This equipment is to be mounted on a City of Alexandria owned, current model year, Dodge 5500 chassis cab. The City of Alexandria will be responsible for having the chassis cab drop shipped to the successful bidder's installation location; upon completion of installation, successful bidder will be responsible for having the completed unit delivered to Courtesy CDJR in Breaux Bridge, Louisiana, where unit will be inspected, license plate affixed and delivery to the City of Alexandria Motor Pool.

All products shall be new and of current model year manufacture. Each unit shall be equipped with the manufacturer's equipment and accessories which are included as "standard" in the advertised and published literature for the unit. No such item of equipment shall be removed or omitted for the reason that it was not specified in the bid documents.

Bid prices shall remain in effect for a period of ninety (90) days from bid award date.

All bid prices shall include any and all freight charges.

Completed bid packet should be returned as issued by the City of Alexandria with ALL PAGES intact and all specification response columns filled in. Incomplete columns or missing pages, to include addendum pages, may result in the bidder's (proposer's) entire bid being rejected.

Note: A mandatory pre-bid conference shall be held on Wednesday, September 13, 2017 at 10:00 AM, at the City of Alexandria Purchasing Department, Building WH, located at 2021 Industrial Park Road, Alexandria, LA 71303. All vendors wishing to submit bid proposals for this project "**MUST ATTEND**" this pre-bid conference. Pursuant to LA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

GENERAL CONDITIONS FOR BIDDERS - PLEASE READ CAREFULLY

1. Pursuant to LA R.S 38:2212.1. C.(1)(2), any manufacturer's preference in this proposal is descriptive, but non-restrictive, and is used only to indicate minimum requirement for type, grade and quality unless otherwise specified.
2. Pursuant to LA R.S. 38:2212 B.(1), the provisions and requirement of this bid shall not be considered as informalities and shall not be waived by the City of Alexandria. Therefore, conditions and specifications on this bid form shall be strictly enforced and any and all alterations, deviations, and non-compliance to said conditions and specifications, either on the bid form or by separate attachment, shall be grounds for immediate disqualification.
3. Preference shall be given to bidders quoting F.O.B. Destination (the City of Alexandria using department), FREIGHT PREPAID, unless otherwise requested.
4. Each bidder shall submit his proposal on the proposal form furnished by the City of Alexandria Purchasing Department. The complete bid package must be returned as issued by the City with all pages intact and all specification response columns filled in. Incomplete columns or missing pages, to include addendum pages, shall result in the vendor's entire bid package being rejected.
5. Literature, brochures, and other related paperwork attached to the bid should be identified with the name of the bidder and bid item number.
6. In case of a mathematical discrepancy between unit price and extensions, the unit price shall prevail.
7. Pursuant to LA R.S. 38:2212 F., the bid specifications may contemplate a fixed escalation or de-escalation in accordance with the United States Bureau of Labor Statistic's Consumer Price Index or the Producer Price Index. Bids based on specifications which are subject to a recognized escalation index shall be legal and valid for any item of a public work, at the discretion of the City.
8. Pursuant to LA R.S. 38:2212.1. F., any public procurement unit may participate in a cooperative purchasing agreement with the City of Alexandria to acquire quantities of the above listed items under a contract with the City of Alexandria for items awarded by public bid, pursuant to the cooperative purchasing provisions of Part VII of Chapter 17 of Subtitle III of Title 39 of the Louisiana Revised Statutes of 1950, R.S. 39:1701 et seq.
9. The City of Alexandria reserves the right to award by item or by total bid, unless otherwise specified in the bid specifications. (Price(s) should be itemized.)
10. All erasures or corrections on the bid form must be initialed and the City of Alexandria may rely on the apparent authority represented by the initials.
11. The City of Alexandria reserves the right to reject for cause any and all bids or parts of bids, or accept bids most beneficial to the City.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER**

General Conditions for Bidders - Please Read Carefully (Continued)

12. Any bid submitted which contains additions, conditional or alternate bids, or irregularities which may make the proposal incomplete, indefinite, or ambiguous as to its meaning, thus requiring clarification after the specified date and time of bid opening shall be rejected.
13. Bids shall be opened publicly in the City Council Chambers or Council Committee Room.
14. Cash discounts may be accepted, but SHALL NOT be considered in making award.
15. Regarding a bid for purchase of materials, supplies or services, not to include construction of any public works, a written notice of acceptance mailed or otherwise furnished to the successful bidder shall result in a binding contract without further action by either party.
16. When any bid is accepted for the construction or doing of any public works, a written contract shall be executed by and between the City of Alexandria and the Contractor. No contract shall be binding upon the City until it has been executed by the City and delivered to the successful bidder. Should the bidder to whom the contract is awarded fail to execute the contract, the award shall then be made to the next lowest responsible bidder, or re-advertised for public bid, said decision to be in the sole judgment of the City of Alexandria. This action may result in the loss of bidding privileges for a period of one (1) year.
17. The City of Alexandria shall schedule for payment the invoices for articles or services purchased under this bid within thirty (30) days after due and proper delivery accompanied by invoice.
18. The City of Alexandria is exempt from all sales taxes. A sales tax exempt form shall be furnished by the City of Alexandria Purchasing Department, if requested.
19. Bidder(s) awarded item(s) by the City of Alexandria shall be responsible for supplying all products at the awarded price(s). Failure may result in the City's cancellation of the remaining items awarded.
20. Regarding Service Contracts and Procurement Contracts, the terms of the contract shall be binding upon any and all parties involved until goods and supplies are delivered, services have been rendered, and/or work has been completed and accepted by the Mayor on behalf of the City of Alexandria and all payments required to be made to the Contractor have been made. However, a contract may be terminated under any and all of the following conditions:
 - (a) By mutual agreement and consent of either party upon thirty (30) days written notice to the other party;
 - (b) By the Mayor, on behalf of the City of Alexandria, as a consequence of the failure of the Contractor to comply with the terms and conditions of the contract or the progress or quality of work to be performed in a satisfactory manner, proper allowance being made for circumstances beyond the control of the Contractor; or
 - (c) By satisfactory completion of all services and obligations described in the contract.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER**

General Conditions for Bidders - Please Read Carefully (Continued)

If the contract is terminated for any of the terms and conditions authorized in sub-paragraph (b) above, Contractor shall be formally notified in writing by the City of Alexandria Purchasing Department by means of certified mail informing him of cancellation of the contract, giving specific reasons for said cancellation. Contractor shall have the right to appeal to the City Council within ten (10) days from the date that said notification is placed in the U.S. Mail. Contractor's appeal shall be accomplished by means of a letter addressed to the City Council and delivered to the City Clerk, stating that an appeal to the decision of cancellation is desired. The City Council shall thereafter hold a hearing on the appeal, giving all parties the opportunity to present any and all evidence concerning the decision of cancellation. After hearing the appeal, the city Council may, by a majority vote, sustain, modify, or reverse the findings for said decision and shall provide, if requested by Contractor, a written determination of its findings.

21. Contractors submitting bids for Public Works construction projects in excess of \$1.00 must show his Contractor's License Number on the front of the bid envelope, except for certain projects for which a Contractor's License Number is not required by the State Contractor's Licensing Board. Failure to comply with this directive shall result in automatic bid rejection, furthermore, any Contractor who submits a bid for a type of construction for which he is not properly licensed shall be acting in violation of LA R.S. 37:2163, and shall be subject to all provisions for violation and penalties thereof. Contractors who are owned by, and are submitting a bid as a subsidiary of a parent company, whose name is listed in the State of Louisiana's Roster of Licensed Contractors, may do so by including a letter of proof of ownership from the parent company with the submitted bid package. The letter must be signed as per LA R.S. 38:2212 B.(5)(a)(b)(c) (see Item #22 below).

22. All bids submitted via USPS (registered or certified), overnight courier or hand delivered, shall be signed by hand and in ink by an authorized company representative per LA R.S. 38:2212 B.(5)(a)(b)(c), which states:

(c)(i) Evidence of agency, corporate, or partnership authority shall be required for submission of a bid to the division of administration or the State of Louisiana. The authority of the signature of the person submitting the bid shall be deemed sufficient and acceptable if any of the following conditions are met:

(aa) The signature on the bid is that of any corporate officer listed on the most current annual report on file with the Secretary of State, or the signature on the bid is that of any member of a partnership or partnership in commendam listed in the most current partnership records on file with the Secretary of State.

(bb) The signature on the bid is that of an authorized representative of the corporation, partnership, or other legal entity and the bid is accompanied by a corporate resolution, certification as to the corporate principle, or other documents indicating authority which are acceptable to the public entity.

(cc) The corporation, partnership, or other legal entity has filed in the appropriate records of the Secretary of State in which the public entity is located, an affidavit, resolution, or other acknowledged or authentic document indicating the names of all parties authorized to submit bids for public contracts. Such document on file with the Secretary of State shall remain in effect and shall be binding upon the principal until specifically rescinded and canceled from the records of the office.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER**

General Conditions for Bidders - Please Read Carefully (Continued)

23. In-State preferences shall not apply to procurements involving federal funds.
24. Pursuant to LA R.S. 38:2212 O.(2)(a)(b), any modifications of plans and specifications will be made through an addendum. No addendum shall be issued within seventy-two (72) hours of the bid opening, excluding weekends and legal holidays, without the extension of the bid opening date. An extension of at least seven (7) but no more than thirty (30) working days is required but, re-advertising is not required. The addendum shall be transmitted by any one of the following methods: (1) facsimile transmission; (2) e-mail; (3) by hand; or (4) posted on the City of Alexandria's website (www.cityofalexandrialala.com) and posted on Central Bidding's website (www.centrauctionhouse.com) if applicable.
25. All Federal Transit Administration (FTA) funded procurements, including operating assistance funding contracts, are to follow the *Master Agreement*, to include all applicable federal clauses.
- a. Any bidder that is found listed on the Federal Government's *System for Award Management* (SAM) website, at www.sam.gov/portal/sam , under the advanced search feature for *Excluded Parties List System* (EPLS), shall automatically be rejected for the award of this bid, by Category and/or in its entirety. This applies to any portion of the bid that is a procurement funded by FTA.
26. Under the City's *AFEAT (Alexandria Fairness, Equality, Accessibility, and Teamwork Program)*, participation by minority and/or disadvantaged business enterprise firms is encouraged. The *AFEAT* Program should be inquired about through the Division of Finance.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Alexandria Fairness, Equality, Accessibility, and Teamwork Program (AFEAT)

Dear Vendor:

Under the City's *AFEAT (Alexandria Fairness, Equality, Accessibility, and Teamwork Program)*, participation by minority and/or disadvantaged business enterprise firms is encouraged. The AFEAT Program should be inquired about through the Division of Finance. The goals for qualifying disadvantaged, minority and female owned business in the use of professional service agreements with prime contractors will help effectuate the goals of increasing: the competitive viability of small business, minority, and women business enterprise by providing contract, technical, educational, and management assistance; business ownership by small business persons, minority persons, and women (including professional service opportunities); and the procurement by the City of professional services, articles, equipment, supplies, and materials from business concerns owned by small business concerns, minority persons, and women.

Prime contractors offering subcontracting should take specific action to ensure that a bona fide effort is made to achieve maximum results towards meeting the established goals. Primes shall document efforts and shall implement steps at least as extensive as the following in a good faith effort to reach or exceed the established goals:

- A. *Establish and maintain a current list of minority and female owned businesses in Alexandria, in Rapides Parish, and in the State of Louisiana.*
- B. *Document and maintain a record of all solicitations of offers for subcontracts from minority or female construction contractor and suppliers in Alexandria, in Rapides Parish, and in the State of Louisiana.*
- C. *Secure listing of minority and women owned businesses from the City of Alexandria Purchasing Department, the Central Louisiana Business Incubator, and the State of Louisiana Department of Minority Affairs.*
- D. *Participate in associations which assist in promoting minority and women owned businesses such as the Central Louisiana Business League, the Central Louisiana Business Incubator, and the Entrepreneurial League System.*
- E. *Designate a responsible official to monitor all activity made in the effort to achieve or exceed the established goals; record contacts made, subcontracts entered into with dollar amounts, and other relevant information.*

For more information on AFEAT and the City of Alexandria's Diversity in Action Initiative, and to explore a local and statewide directory of minority businesses, please visit www.diversityinaction.org.

Should you have any questions or comments, please do not hesitate to contact our Finance Department at 318-449-5091 or our Purchasing Department at 318-441-6180.

Sincerely,

City of Alexandria

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER**

BID SPECIFICATIONS

SCOPE: The following bid specifications are to be used as minimum and maximum standards for a body, to be mounted on City of Alexandria owned Ford F750 chassis cab. All quoted products shall either meet or exceed the following specifications.

Unless otherwise stated, the use of manufacturer's name and product numbers are for descriptive purposes and to establish general quality levels only, they are not intended to be restrictive.

Prospective bidders are required to state exactly what they intend to furnish, otherwise, it is fully understood that they shall furnish all items as stated. Bidder should indicate in the space provided below, under "*Bidder's Response*:", the necessary information to indicate he/she is conforming with the bid specifications for each item as written. If Bidder is in complete compliance with each bid specification item as written, please write "Comply" in the space provided; if not, please indicate in this space, the necessary information on the product you are proposing. Each specification response is necessary to ensure the proper evaluation and tabulation of this bid. If each "*Bidder's Response*" section is not filled in or completed, your bid may be rejected.

Literature, brochures and other paperwork on what you're submitting should be submitted at the pre-bid.

Bidder's Response:

1.0 General:

1.1 No bid may be withdrawn for at least thirty (30) days after the scheduled closing time for the receipt of bids. Quoted prices shall remain firm until product(s) have been accepted by the City of Alexandria as delivered.

1.2 Products shall be new, un-used, and of current model year manufacture.

1.3 Where applicable, quotes for "optional" equipment shall be listed in the appropriate spaces provided on the bid specifications "Price Page". Option quotes shall not be a basis for bid award and shall not be included in the total bid price.

1.4 Two copies of the Parts Manual, Service Manual, and Operator's Manual for all products listed in these bid specifications, to include sub-contracted components, shall be furnished by the successful bidder at the time of delivery. CD versions of manuals are acceptable.

1.5

1.5 Pursuant to Louisiana R.S. 38:2212.8, bidder shall be a **licensed Louisiana Motor Vehicle Dealer/Converter or Secondary Manufacturer**. A copy of the dealer's/converter license shall be attached to the bid upon submission. Failure to submit a copy of a valid Louisiana Motor Vehicle Dealer's license shall be grounds for immediate bid rejection.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

1.0 General: (Continued)

Bidder's Response:

1.5 Each bidder is requested to furnish, attached to the bid, complete descriptive literature on product being quoted. Any item(s) appearing in the manufacturer's regularly published specifications as "standard" equipment are assumed to be included in the bidder's proposal.

1.6 Each respective bidder shall be responsible for insuring that his/her product meets or exceeds specifications as described herein.

1.7 The successful bidder shall provide the City of Alexandria Street Department personnel with a minimum of one (1) day training on the operation of the roadside sprayer.

2.0 Warranty:

2.1 Successful bidder should furnish complete warranty information for product(s) being quoted, to include all sub-contracted components installed by vendor as well as vendor warranted components.

2.2 The successful bidder shall supply the unit warranty information for the unit body at the time of delivery to Courtesy Ford, Courtesy CDJR.

2.3 Warranty work that cannot be performed at the City of Alexandria Motor Pool shall be performed at the dealer's repair facility that is listed on the Price Page of this bid packet. The transportation to and from the dealer's facility shall be the responsibility of the successful bidder with NO cost incurred by the City of Alexandria.

2.4 Warranty shall be for a period of one (1) year, minimum.

2.5 Components that have been installed on the quoted product and are not designated as sub-contracted by the successful bidder, shall be covered under the minimum one (1) year warranty as specified in this bid specification, with all warranty work for these components being the sole responsibility of the successful bidder.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

Bidder's Response:

3.0 Body Installation:

3.1 Furnish and install combination pintle hitch with 2" ball, reinforced to frame with "D" rings.

3.2 Furnish and install six (6) prong trailer plug.

3.3 List an DOT requirements here or lighting that is on the body of unit, etc.

4.0 Installation Completion:

4.1 Upon completion of all installations, testing and certification; completed truck is to be delivered to **Courtesy CDJR**, located at 2022 – T Rees St, Breaux Bridge, LA 70517, to the attention of Mike Solomon, phone 337-332-2145 or 318-625-1350.

4.2 Mr. Solomon with Courtesy CDJR should be notified a minimum of twenty-four (24) hours prior to delivery of completed unit.

4.3 Any and all costs for delivery of completed unit to Courtesy CDJR, or costs incurred during the transportation of the completed unit, shall be at the successful bidders expense with NO expense to the City of Alexandria.

5.0 Chassis Mounted Roadside Sprayer:

5.1 Unit shall be Norstar RSI-725G-2 Roadside Sprayer; or equal.

5.2 The basic spray system shall include:

a. Water tank.

b. Centrifugal spray pump.

c. Chemical tank(s).

d. Two (2) boomless spray head(s).

e. A computerized chemical injection control pumping system.

f. All components in the water and chemical systems must be non-corrosive type; compatible with chemical currently used by the City of Alexandria.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

6.0 LCG Flatbed:

- 6.1 The bed shall have 5" C channel support frame rails with 3" C channel cross braces on a minimum of 24" centers; or equal design. _____
- 6.2 The deck shall be 11 gauge or 3/16" diamond plate; minimum. _____
- 6.3 The bed shall be a minimum of 96" wide x 144" in length. _____
- 6.4 The bed shall have the main sprayer pump mounted below bed deck in front of the rear wheels on the passenger side; or equal design. _____
- 6.5 The bed shall have one coat of primer and a minimum of two (2) coats of industrial gloss black paint and non-skid finish. _____
- 6.6 The paint shall be lead free. _____
- 6.7 The unit shall be equipped with a minimum 78-in. wide full height cab shield. _____
- 6.8 The full height cab shield shall have a 1 1/2-in. minimum square tubing frame; or equal design. _____
- 6.9 The unit shall be equipped with a minimum 1 1/2-in. by 9F gauge expanded metal window that extends from top of the cab shield to approximately 12-in. below the bottom of the rear window; or equal design. _____
- 6.10 The bed shall have all LED lights to conform to the regulations of the Federal DOT standards. _____
- 6.11 Modification, cutting or welding to the truck frame flanges is unacceptable. _____

7.0 Water Pump:

- 7.1 The water pump shall be a centrifugal type, with a minimum 1 1/2" inlet; or equal design. _____
- 7.2 The pump shall be capable of producing a minimum of 90 PSI and a minimum 60 GPM. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

7.0 Water Pump: (Continued)

- 7.3 The pump inlet, outlet and injection point fittings shall be brass or stainless steel (no exceptions). _____
- 7.4 A suction strainer with a 20 – mesh stainless steel screen shall be installed on the inlet side of the water pump; or equal design. _____
- 7.5 A high-pressure filter with a 40-mesh screen shall be installed in the discharge line as close to the pump as practical; or equal design (prior to the pressure reducing valves). _____
- 7.6 The pumping system shall maintain water pressure at a constant level as required for the intended use. _____
- 7.7 Mounting location for the water pump and related components must not limit access for normal maintenance. _____

8.0 Water Pump Power:

- 8.1 The water pump power shall be supplied by a minimum 14 horsepower Kohler gas engine with and electric start and safety oil shut down; or equal design. _____
- 8.2 The engine's start and stop switch shall be in the control console mounted in the cab of the truck; or equal design. _____
- 8.3 The water pump belt shall be driven from the engine utilizing a direct mount heavy-duty 12-volt DC electromagnetic clutch; or equal design. _____
- 8.4 The clutch power shall be trough a pump on/off switch in the cab control center; or equal design. _____
- 8.5 The water pump and motor assembly shall be mounted on a removable base attached to the motor well floor with vibration dampers; or equal design. _____
- 8.6 There shall be adjustment slots uniformly cut in the mounting base to allow drive belt adjustments. _____
- 8.7 The motor mounting location shall not limit access for normal maintenance. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

8.0 Water Pump Power:

8.8 All belts, pulleys and shafts shall have safety guards.

9.0 Water Tank:

9.1 The water tank shall be a minimum, 725-gallon elliptical tank capacity.

9.2 The tank shall be black in color.

9.3 The tank shall have removable, anti-surge, “Butterfly Baffle” system that reduces tank volume by no more than 1.5%; or equal design.

9.4 Bolt-in baffles or tank indentations shall not be accepted.

9.5 The tank and baffle material shall be UV stabilized polyethylene; or equal.

9.6 The tank shall be secured to the bed deck plate with 3 (three) galvanized hoops; or equal.

9.7 There shall be extra support welded between the cross braces of the bed for the thru bolts of the tank hoops; or equal design.

9.8 The tank lid shall be a minimum of 16-in. in diameter.

9.9 The tank lid shall be positive locking type with an air vent to prevent damage from excessive pressure or vacuum; or equal design.

9.10 There shall be a minimum of two (2) 1 ½” brass ball valves installed as close to the bottom of the tank as possible; or equal design.

9.11 There shall be a minimum 1 1/2” non-collapsible suction-type hose between the tank and water pump; or equal design.

10.0 Water Tank Fill:

10.1 The water tank fill shall have a minimum, 2-in line installed to a 4” air gap system for loading.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

10.0 Water Tank Fill:

- 10.2 A 2" ball valve, male quick disconnect, and strainer shall be mounted on the right side of the bed within easy reach of the operator; or equal design.

11.0 Loading Hose:

- 11.0 The loading hose shall be a minimum of twenty-five (25) feet long by 2-in. mill, with a 2" female quick disconnect on one end and a NSH fire hydrant female on the other; or equal.

12.0 Hand Wash Tank:

- 12.1 The hand wash tank shall be a minimum, 9-gallon polyethylene tank, Raven # 26676; or equal.
- 12.2 The tank shall be conveniently located to provide a clean supply of water for washing hands, eyes, face, etc. in case of emergency.
- 12.3 A faucet located at the bottom of the tank shall be provided; located on the curb side of the unit; or equal design.

13.0 "Boomless" Nutating Spray Head(s):

- 13.1 The "boomless" nutating spray head(s) shall be one (1) eight (8) nozzle section with an electrical control swing (in-out) and 30-degree tilt (up-down).
- 13.2 The spray head(s) shall be attached to a swing post that mounts in a heavy-duty grease-able socket and mounted on the front bumper of the cab and chassis; or equal design.
- 13.3 The swing post shall will be a minimum, 2 1/2", schedule-40 pipe.
- 13.4 The socket assembly shall include a breakaway feature with a manual brake adjustment.
- 13.5 The spray head shall produce a 36-ft. wide minimum (horizontal plane), no-streak spray pattern, using all brass or stainless steel, solid stream nozzles (plastic nozzles are not acceptable).

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

13.0 “Boomless” Nutating Spray Head(s):

13.6 The spray head shall have a minimum of eight (8) adjustable nozzle assemblies that produce individual spray swaths with widths of a minimum of 4ft, -4-ft, 4-ft, 6-ft, 6-ft, 6-ft, 8-ft.; or equal.

13.7 The first four – (4) nozzle assemblies shall nutate at a minimum of 45 Hz to produce uniform (no streak) spray patterns for a combined minimum coverage of 12-foot.; or equal.

13.8 The nozzles shall be sized for a total application rate of 25 gallons per acre at 11 MPH; minimum.

13.9 The spray head shall have large, removable, metal side panels to reduce wind shear and protect components from roadside obstructions; or equal design.

13.10 Two (2) adjustable height double nozzles on swivels shall be mounted below the spray head mounting socket; or equal design.

13.11 These nozzles shall cover the area forward and to the rear of sign and guard rail posts; or equal design.

14.0 Boom Control Manifold System:

14.1 The spray head assembly shall include a minimum of nine (9) motorized boom valves and regulators with a minimum 2 ½ diameter liquid filled gauges for setting individual nozzle section pressure and one gauge to read line pressure.

14.2 The pressure gauges shall be mounted on the front spray rack in plain view of the operator; or equal design.

14.3 The boom valve motor shall be a separate part of the boom valve assembly so if a leak occurs, the liquid will not enter the valve motor.

15.0 Chemical Loading System:

15.1 The unit shall have a chemical loading system which will allow the operators to load or unload chemicals into the chemical tanks.

15.2 The system shall have a 13 GPM twin diaphragm chemical pump, manifold system, and an 8 ft. probe loading hose; or equal.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

15.0 Chemical Loading System: (Continued)

- 15.3 This system should allow faster loading times and the abilities to retrieve chemicals from reusable chemical containers. _____
- 15.4 The system should allow the operator to unload the chemicals into approved containers. _____
- 15.5 The loading system shall have a “micro matic” valve for extracting chemical from vendor supplied chemical containers. _____
- 15.6 The main water tank shall have a micro matic tank bung conveniently installed that is accessible to the closed loading system to facilitate the flushing of the closed loading system thru the probe hose and the addition of fresh water to the chemical tank; or equal design. _____

16.0 Cab Control Center:

- 16.1 The cab control center shall have a computer console and separate electromechanical console. _____
- 16.2 Both consoles shall be installed inside a steel framework that attaches to a double articulating arm that allows either the driver or passenger to operate controls conveniently; or equal design. _____
- 16.3 The arm shall securely attach to a floor mounted 3” minimum diameter pedestal; or equal design. _____
- 16.4 All control cables connecting the control center to sprayer components shall not require any additional power source or storage capacity other than that which is normally supplied as heavy duty by chassis manufactures. _____
- 16.5 It should be possible to easily service or replace the mechanical console without opening, removing or disturbing the computer console. _____
- 16.6 All spray system controls shall be in either the mechanical or computer console; or equal design. _____
- 16.7 The control console shall have switches for dual spray head tilt and fold, beacon light, water pump on/off, engine start and stop, a minimum of nine (9) spray width solenoid switches, a minimum of six (6) chemical tank level indicators and a minimum of six (6) chemical tank agitators. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

16.0 Cab Control Center: (Continued)

16.8 The agitator control switches shall have high/low speed. _____

16.9 All switches shall be labeled for function, action and indicator lights. Tape type (dymo) labels will not be accepted. _____

17.0 Computer Console:

17.1 The computer console shall be a TASC model 6300; or equal. _____

17.2 The console shall 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. _____

17.3 When spray width or vehicle speeds change, the computer will adjust the speed (output) of the injection pump(s) within 5 tenths of a second. _____

17.4 A truck mounted radar unit shall provide the computer with ground speed and distance input. _____

17.5 The computer shall be capable of maintaining primary and secondary application rates for each chemical injector pump and allow a manual change for preprogrammed application rates and spray widths on the go. _____

17.6 The console shall include a minimum of nine (9) spray head valve indicator lights that operate in conjunction with the boom valve switches in the mechanical console. _____

17.7 Each of the nine (9) spray head/boom sections shall be programmable in 1-inch increments from 0 – 99 feet. _____

17.7.1 During normal operation the computer shall display the following:

- a. Actual and simulated test speed of vehicle. _____
- b. Total area sprayed in acres. _____
- c. Total chemical dispensed by each injection pump. _____
- d. Primary and alternate application rates for each chemical injection pump in ounces per acre. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

17.0 Computer Console: (Continued)

- e. Total volume of carrier and chemical dispensed. _____
- f. Width of individual spray head/boom sections. _____
- g. Distance traveled in feet-miles. _____

17.7.2 The computer shall display the following fault diagnostic information:

- a. Malfunction chemical pump. _____
- b. Chemical pumps shut down. _____
- c. Chemical pumps operating too slow or too fast. _____
- d. Low voltage. _____

18.0 Chemical Injection:

- 18.1 Chemical Injection shall be achieved with computer controlled, DC powered, peristaltic pumps. _____
- 18.2 The pump drive motor and controllers shall be protected with rugged weather tight enclosures. _____
- 18.3 The pumps shall inject chemicals directly into the carrier at the inlet of the water pump. _____
- 18.4 The pumps shall be a Teejet Legacy type injection pump with capabilities of .5 to 350 oz/min.; or equal. _____
- 18.5 There shall be two (2) pumps installed on this unit. _____

19.0 Cone Bottom Chemical Tank(s):

- 19.1 The cone bottom chemical tank(s) shall be ultra-violet stabilized polyethylene with a minimum, 10-inch diameter positive locking lids. _____
- 19.2 All tanks should have easily visible gallon-age markers. _____
- 19.3 There shall be ¾" in brass ball valves install under each tank; minimum. _____
- 19.4 One valve shall be plumbed directly to the bottom of the tank to serve as the main shut off; or equal design. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

19.0 Cone Bottom Chemical Tank(s): (Continued)

- 19.5 The second shall be plumbed to drain unused chemical; or equal design. _____
- 19.6 The third valve shall be installed to shut off chemical going to the injection pump; or equal design. _____
- 19.7 Each tank shall be installed in a stand-alone mount stand with a heavy-duty adjustable steel band encircling the top vertical portion of the tank; or equal design. _____
- 19.8 The tanks and racks shall be mounted on top of the bed truck; or equal. _____
- 19.9 The bands shall be a minimum of 18" thick by 4-in. wide. _____
- 19.10 The tanks required are three (3) - (30) gallon, minimum; _____

20.0 Chemical Tank Agitators:

- 20.1 The agitator motor shall be mounted outside the tank for ease of maintenance. _____
- 20.2 The motor shall have a Viton lip seal for corrosion protection; or equal. _____
- 20.3 On and off for the agitators and hi/low speed control shall be in the cab control center; or equal design. _____
- 20.4 All tanks shall require agitation. _____

21.0 Calibration Devices:

- 21.1 The spray system shall be equipped with the necessary measuring devices and valves to allow the operator to accurately calibrate each chemical pump. _____
- 21.2 A calibration stand shall be installed for each chemical pump. _____

22.0 Hose Reel and Handgun:

- 22.1 The spray unit shall have a Hanney 151417418 manual hose reel-mounted on the curb side of the unit; or equal. _____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

22.0 Hose Reel and Handgun: (Continued)

22.2 The hose reel shall be equipped with 100 ft. of ½” x 600 psi hose and a # 43 Teejet hand gun; or equal.

22.3 The hand gun shall be quick disconnect for storage.

23.0 Plumbing & Wiring:

23.1 All hose and fittings shall be rated to exceed by 50 percent any maximum operating pressures possible in their respective systems.

23.2 Any hoses installed in locations where chaffing or other damage might occur shall have protective coverings.

23.3 All hoses and wiring shall be adequately supported throughout the system.

23.4 Wiring and plumbing schematics shall be supplied to the purchaser.

24.0 Small Parts Kit:

24.1 The spray unit shall have a small parts kit consisting of the following:

- a. Extra set of injection tubing, (1 each 3/16”, ¼”, 3/8”, and ½”).
- b. Tube of lube (1 each)
- c. Large strainer O ring and screen (1 each)
- d. Small strainer O ring and screen (1 each)
- e. Calibration jar (1 each)
- f. Assorted ATO fuses (2 each)
- g. Tip pressure setting gauge
- h. Wind meter
- i. Boom valve repair kit (2 each)

25.0 Storage Box:

25.1 The sprayer shall be equipped with a lockable weatherproof storage box.

25.2 The box shall be a minimum of 18” x 18” x 24” and be located in a convenient location as space allows.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

26.0 Operator Seat:

- 26.1 There shall be a seat with belts for an operator to sit and spray as the unit drive down the road.
-

27.0 Arrow Board:

- 27.1 The arrow board shall be a 10 lamp LED, 3 function type mounted on the rear of the unit above the chemical tanks; or equal.
-

28.0 Federal Highway Administration Specs:

- 28.1 The arrow board must meet or exceed specifications of the 2009 Edition of the Manual on Uniform Traffic Control Devices, Section 6f.61, paragraph 05.
-

29.0 Lighting:

- 29.1 The spray rig(s) shall be equipped with color coded automotive style wiring harness enclosed in a flexible plastic conduit; or equal design.
-
- 29.2 The unit shall be equipped with LED stop, LED tail, LED turn and LED marker lights and reflectors and shall meet all FMVSS108, requirements.
-
- 29.3 The truck unit shall have a minimum of four (4) flashing strobe lights, two (2) on the front and two (2) on the rear; or equal design.
-
- 29.4 The wiring harness shall be mounted on the platform with mechanical fasteners; or equal design
-

30.0 Mud flaps:

- 30.1 The unit shall be equipped with anti-spray mud flaps mounted behind the rear wheels.
-

31.0 Body Preparation and Paint Process:

- 31.1 The body shall be clean, free of rust, scale, welding slag and oils.
-
- 31.2 The bed shall have one coat of primer and one coat of black non-skid paint.
-

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

Bid Specifications (Continued)

31.0 Body Preparation and Paint Process: (Continued)

31.3 All other manufactured parts shall be powder coated with industrial gloss black color.

32.0 Training:

32.1 The successful bidder shall furnish a factory trained technician to conduct 8 hours of training.

33.0 Warranty:

33.1 The spray unit shall be fully warranted against defects in material and workmanship for 12 months from in-service date.

33.2 The computer shall be fully warranted for thirty (30) months from in-service date.

33.3 The in-service date shall commence following the completion of the training course.

33.4 The vendor shall have a loaner computer control console and mechanical console to be provided in case a failure of the installed units.

33.5 These items shall be delivered to the purchaser within 48 hours or before to minimize down time.

33.6 **ALL WARRANTIES SHALL BE CLEARLY STATED.**

34.0 Logistics:

34.1 The cab and chassis shall be delivered to the sprayer body manufacturer by the truck vendor.

34.2 When the unit is complete it will be the sprayer body manufacturer's responsibility to deliver the completed unit to the purchaser for training.

END OF SPECIFICATIONS

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

SAMPLE ONLY - DO NOT COMPLETE AT THIS TIME

Vehicle / Equipment Information Sheet

(To be completed by vendor prior to delivery of vehicles and/or equipment to the City of Alexandria Motor Pool)

1. Vehicle Year/Make:_____
2. Vehicle Model:_____
3. Keycodes: A:_____ B:_____
4. Wheelbase:_____ CA:_____
5. VIN #:_____
6. Odometer Readings:_____ Miles
7. Purchase Date:_____
8. In-Service Date:_____
9. Engine Make:_____
10. Engine Model:_____
11. Engine Oil Capacity:_____ Qts.
12. Transmission Make:_____
13. Transmission Model:_____
14. Transmission Oil Capacity:_____ Qts.
15. Rear Axle Make:_____
16. Number of Rear Axles:_____
17. Rear Axle Oil Capacity:_____ Qts.
18. Rear Axle Weight Capacity:_____ Lbs.
19. Front Axle Make:_____
20. Front Axle Weight Capacity:_____ Lbs.
21. Vehicle GVWR:_____ Lbs.
22. Wheel Size:_____
23. Tire Size/Ply (Front):_____
24. Tire Size/Ply (Back):_____
25. Tire Size/Ply (Spare):_____
26. Total Tire Count:_____
27. Lugs Per Wheel:_____
28. Alternator:_____
29. Battery (Each):_____ AH _____ CCA
30. Brakes (Type):_____
31. Steering (Type):_____
32. Fuel Capacity (Total):_____
33. EPA Fuel Rating:_____ City _____ Hwy.
34. Special Body Make:_____
35. Special Body Model:_____
36. Other Special Equipment (List):_____

37. Purchase Price: \$ _____
38. Purchase Order Number:_____
39. Service Recommendation:_____ Miles
40. Date of Manufacture:_____
41. Warranty Manuals on Vehicle & Other Components:_____

42. Shop Manuals / Line Sheet:_____
43. Additional Filters (As Specified):_____
44. (Trailer Only) Length:_____ Width:_____ Height:_____
45. (Trailer Only) Hitch Type:_____

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
CHASSIS MOUNTED ROADSIDE SPRAYER

PRICE PAGE

Bid price for Chassis Mounted Roadside Sprayer, new and unused, complete unit ready for use, delivered F.O.B., freight pre-paid, as per the bid specifications:

Bid Price \$ _____/per each

Manufacturer's Brand Name: _____ Model No.: _____

=====

Warranty Emplacement/Service Site:

Please list your factory authorized warranty emplacement or service site below.

Company Name: _____

Street Address: _____ City/State/Zip: _____

Phone No.: _____ Fax No.: _____

Attention: _____ Title: _____

=====

Bidder Information:

Company Name: _____

Address: _____

City/State/Zip: _____

Telephone #: (_____) _____ Fax #: (_____) _____

Authorized Printed Name and Title: _____

Authorized Signature: _____

(Per LA R.S. 38:2212(A)(c)(i) - See General Conditions Item #22, Page 4 of these bid specifications.)