

CITY OF BEAUFORT
STATE OF SOUTH CAROLINA
REQUEST FOR PROPOSALS

RFP NO. 2013-103



CITY OF BEAUFORT

Commercial Grade Regenerative

Air Street Sweeper

DUE: February 28, 2013 4:00 PM

CITY OF BEAUFORT, SC REQUEST FOR PROPOSALS RFP NO. 2013-103

SEALED PROPOSALS will be received in the Finance Department, 2nd Floor, City Hall, 1911 Boundary Street, Beaufort, South Carolina until **4:00 P.M. ET February 28, 2013**. All qualified vendors are invited to submit proposals to the City of Beaufort for the following:

City of Beaufort Commercial Grade Regenerative Air Street Sweeper

SUBMIT: One (1) unbound original and three (3) bound copies of all requested documentation must be received on or before **4:00 P.M. ET February 28, 2013**.

ADDRESS TO: City of Beaufort, City Hall, 2nd Floor Finance Department Attention: Thomas East

MAILING ADDRESS: 1911 Boundary St., Beaufort, South Carolina 29902

OFFICE ADDRESS: 1911 Boundary St., Beaufort, South Carolina 29902

EMAIL ADDRESS: teast@cityofbeaufort.org

PHONE NUMBER: 843-525-7071

FAX NUMBER: 843-986-5606

MARK OUTSIDE ENVELOPE: "RFP NO. 2013-103– Commercial Grade Regenerative Air Street Sweeper"

THE TOP SELECTIONS WILL BE INVITED TO PARTICIPATE IN A MANDATORY LIVE DEMONSTRATION. FAILURE TO PARTICIPATE IN THE LIVE DEMONSTRATION WILL RESULT IN REJECTION OF YOUR PROPOSAL.

DEADLINE ENFORCED

PROPOSALS DELIVERED AFTER THE TIME AND DATE SET FOR RECEIPT OF PROPOSALS SHALL NOT BE ACCEPTED AND WILL BE RETURNED UNOPENED TO THE OFFEROR. IT IS THE OFFEROR'S RESPONSIBILITY TO ENSURE TIMELY DELIVERY OF THEIR PROPOSAL. WEATHER, FLIGHT DELAYS, CARRIER ERRORS AND OTHER ACTS OF OTHERWISE EXCUSABLE NEGLIGENCE ARE RISKS ALLOCATED TO OFFERORS AND WILL NOT BE EXEMPTED FROM DEADLINE REQUIREMENTS. E-MAIL, TELEPHONE, OR FACSIMILE PROPOSALS WILL NOT BE ACCEPTED.

Any offer submitted as a result of this RFP shall be binding on the offeror for **NINETY (90)** calendar days following the specified opening date. Any proposal for which the offeror specifies a shorter acceptance period may be rejected.

Proprietary and/or Confidential Information

Your proposal or bid is a public document under the South Carolina Freedom of Information Act (FOIA), except as to information that may be treated as confidential as an exception to disclosure under the FOIA. If you cannot agree to this standard, please do not submit your bid or proposal.

All information that is to be treated as confidential and/or proprietary must be **CLEARLY** identified, and each page containing confidential and/or proprietary information, in whole or in part, must be stamped and/or denoted as **CONFIDENTIAL**, in bold, in a font of at least 12 point type, in the upper right hand corner of the page. *All information not so denoted and identified shall be subject to disclosure by the City.*

This Request for Proposal is being issued by the City of Beaufort Purchasing Department. Direct all questions or request for clarification of this RFP by email, mail, or fax contact information listed above.

Offerors are specifically directed not to contact any other City personnel for meetings, conferences, or technical discussions related to this request unless otherwise stated in this RFP. Failure to adhere to this policy may be grounds for rejection of your proposal.

Offerors ARE CAUTIONED that any statement made by City staff persons that materially change any portion of this RFP shall not be relied upon unless they are subsequently ratified by a formal written amendment to this RFP. Any revisions to this RFP will be issued and distributed as an addendum. All addenda, additional communications, responses to questions, etc. pertaining to the Request for Proposals may be accessed on the City of Beaufort website under Quick Links – “Bid Opportunities” at www.cityofbeaufort.org.

All Offerors should consult this website for updates before submitting bids.

THE DEADLINE FOR QUESTIONS IS: 2:00 P.M., February 18, 2013. ANSWERS TO SUBMITTED QUESTIONS WILL BE POSTED ON OUR CITY WEBSITE UNDER QUICK LINKS – “BID OPPORTUNITIES” BY 2:00 P.M., February 21, 2013.

If the Offeror discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, Offeror shall immediately notify the City of such error in writing and request modification or clarification of the document. The Offeror is responsible for clarifying any ambiguity, conflict, discrepancy; omission or other error in the RFP or it shall be deemed waived.

The City of Beaufort reserves the right to reject any or all proposals, or any parts thereof, waive informalities, negotiate terms and conditions, and to select an Offeror that best meets the needs of the City of Beaufort and its employees.

Current E-Mail Address Required

All proposals submitted shall include a current e-mail address. Once selection is complete, Notice of Award shall be posted on the City’s website. Notice of Award and notices of non-award, shall be sent to all Offerors via e-mail. No hard copies will be sent regular mail unless specifically requested.

REQUEST FOR PROPOSALS
CITY OF BEAUFORT PUBLIC WORKS
COMMERCIAL GRADE REGENERATIVE AIR STREET SWEEPER
RFP NO. 2013-103

I. **GENERAL**

- a) The City of Beaufort is requesting bids for an American-made regenerative air street sweeper. Bidders must be licensed, insured, established, and reputable. The sweeper will be part of the City's Stormwater Department equipment fleet being used 7 to 8 hours daily and must have a history of durability, reliability, low maintenance, serviceability, parts availability, and technical support availability. Bidders will submit with their bid, references and contact numbers for purchasers of their brand sweeper.

II. **SUBMISSION REQUIREMENTS**

- a) Submission Details:

- i) **RESPONSE TO THIS REQUEST FOR PROPOSAL MUST INCLUDE THE FOLLOWING:** Those vendors interested in selling the sweeper, described in this RFP, must submit one (1) unbound Original and three (3) bound copies and the proposal must include the items specifically described in this RFP. In addition to the information required as described below, a Respondent may submit supplemental information that it feels may be useful in evaluating its proposal. This information may include documents such as a vendor profile or brochure.

ii) **Proposal Development**

- (1) **Required content of proposal:** The detailed requirements set forth in the Proposal Format are recommended. Failure by any Bidder to respond to a specific requirement may result in disqualification. The City reserves the right to accept or reject any or all proposals. Bidders are reminded that proposals will be considered exactly as submitted. Points of clarification will be solicited from bidders at the discretion of the City. Those proposals determined not to be in compliance with provisions of this RFP and the applicable law and/or regulations will not be processed.

All costs incurred by the Bidder associated with RFP preparations and subsequent interviews and/or negotiations, which may or may not lead to execution of a Sweeper Sales Agreement/Contract, shall be the responsibility entirely and exclusively by the bidder.

(2) **Proposal format:**

The proposal format requirements were developed to aid Bidders in their proposal development. They also provide a structured format so reviewers can systematically evaluate several proposals. These directions apply to all proposals submitted.

The purpose of the Proposal is to demonstrate the durability, reliability, low maintenance, serviceability, parts availability, and technical support availability of the proposed sweeper. Bidder's proposal must address all the points outlined herein as required, in the following order:

(a) Transmittal Letter: A transmittal letter must be submitted with a Bidder's proposal which shall include:

- (i) The RFP subject and RFP number.
- (ii) Name of the company responding, including mailing address, e-mail address, telephone number, and names of contact person.
- (iii) The name of the person or persons authorized to make representations on behalf of the Bidder, binding the vendor to a sales agreement/contract.
- (iv) Prepare an executive summary stating the respondent's understanding of the sweeper specifications and why the respondent's company should be chosen. Include any general information the Bidder wishes the City to consider about the proposal.

(b) Vendor's Work History and References:

- (i) Provide a brief description of any sweepers of comparable size and complexity for which the Respondent provided municipalities in the past five years. Limit information to no more than five (5) recent sales. All such descriptions should include:
 - 1. Location
 - 2. Make and Model # of Sweeper sold
 - 3. Name and contact information for a reference with knowledge of the Respondent's sweeper.
- (ii) Provide client references (name, address, e-mail and phone number) for a minimum of five references. References from South Carolina and the southeast United States are preferred.

(c) Completion of the "General Sweeper Specifications Checklist" Form

EVALUATION OF PROPOSALS: The vendors submitting sealed proposals will be evaluated based on the quality, closeness to specifications, and price. As part of the evaluation process, the top ranked vendors will be invited to demonstrate their equipment and have it evaluated by the City's technical team. The live demonstration must be conducted within the City of Beaufort. Upon completion of the evaluation, the selection committee will rank the presenting vendors and make a recommendation to the City Manager. The City hereby notifies all bidders that it will affirmatively insure that in regard to any contract entered into, pursuant to this request, minority business enterprises will be afforded full opportunity and are encouraged to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. The City reserves the right to accept or reject any and all bids that is in the best interest of the City.

GENERAL TERMS AND CONDITIONS

PUBLIC RECORD

After an award is made, copies of the proposals will be available for public inspection, under the supervision of the City's Purchasing Division from 8:00 a.m. to 5:00 p.m., Monday through Friday, at 1911 Boundary Street, 2nd Floor, City Hall, Beaufort, South Carolina 29902.

PROPRIETARY INFORMATION

Bidders are asked for any restriction on the use of data contained in their responses and told that proprietary information will be handled in accordance with applicable laws, regulations and policies of the City of Beaufort, South Carolina. All proprietary information shall be labeled as such in the proposal.

BACKGROUND CHECK

The City reserves the right to conduct a background inquiry of each bidder which may include the collection of appropriate criminal history information, contractual business associates and practices, employment histories and reputation in the business community. By submitting a proposal to the City, the bidder consents to such an inquiry and agrees to make available to the City such books and records as the City deems necessary to conduct the inquiry.

REQUIREMENTS

The successful vendor shall comply with all instructions and shall perform services in a manner to commensurate with the highest professional standards by qualified and experienced personnel.

JURISDICTION

This agreement shall be governed by the laws of the state of South Carolina.

ACCEPTANCE OF PROPOSAL CONTENT

Before submitting a proposal, each bidder shall make all investigations and examinations necessary to ascertain all requirements affecting the performance of the contract and to verify any representations made by the City upon which the offer will rely. If the bidder receives an award as a result of its proposal, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the bidder for additional compensation.

FAILURE TO DELIVER

In the event of failure of the successful vendor to deliver product in accordance with the contract terms and conditions, the City, after due oral or written notice, may procure the product from other sources and hold the successful vendor responsible for any resulting additional purchase and administrative costs. This remedy shall be in addition to any other remedies that the City may have.

RIGHTS RESERVED BY CITY

The right is reserved by the City to reject any or all proposals; to waive any informality or irregularity not affected by law; to evaluate, in its absolute discretion, the proposals submitted; and to award the contract based on the established criteria and according to the proposal which best serves the interest of the City.

REQUIRED DOCUMENTS

The following documents must be included with this Request for Proposals:

1. Certificate of Insurance showing present coverage
2. General Sweeper Specifications' Checklist

GENERAL SWEEPER SPECIFICATIONS' CHECKLIST

Diesel Powered 4.0 Cubic Yard (Minimum) Volumetric Capacity - All Area Commercial Grade Sweeper (With Twin Gutter Brooms and Dual Steering)

It is the intent of these specifications to describe a sweeper in sufficient detail to assure that product reliability, design integrity, technical soundness and sweeping performance is provided. The unit provided shall be new (**2013 or newer**) and of current American manufacture. All parts not specifically mentioned, which are necessary to provide a complete sweeper, shall be included in the bid and shall conform in strength and quality of material and workmanship to what is normally provided to the trade in general.

The unit shall be delivered completely assembled, serviced and ready to operate. The bidder shall have a qualified service representative in attendance with the sweeper during startup operation to make any adjustments and give instructions to assure proper operation of the sweeper.

The sweeper shall be warranted to be free from defective materials and workmanship for a period of 12 months or 1,000 hours from date of delivery.

The unit bid shall be a diesel powered regenerative air sweeper mounted on a diesel powered conventional truck chassis.

There shall be \$500,000.00 minimum of product Liability coverage by the manufacturer and minimum of \$500,000.00 liability coverage by the product installers to protect the City of Beaufort. Certification shall be provided with proposal.

COMPLIANCE TO SPECIFICATIONS:

The bidder shall indicate his compliance with a "Yes" or non-compliance with a "No" for each line item specification. Any space left blank shall be considered non-compliance. Any deviations from the general specification, or where submitted literature does not fully support the meeting of the specification, must be clearly cited in writing by the bidder, but no deviation below "minimum" specifications will be accepted. **Bidder is required to explain and support the benefits or detrimental effects of any deviations from the general specifications.**

REGENERATIVE AIR SWEEPER

POWER UNIT:

_____ The sweeper power unit shall be a turbocharged diesel fueled, Tier-4i water cooled industrial engine. Piston displacement shall not be less than 148.5 cubic inch developing not less than 56 HP @ 2600 RPM and 121 ft. /lbs. torque @ 1800 RPM. Engine shall be 4 cycle, 3.43 inch bore and 3.64 inch stroke.

_____ Cylinder construction shall be dry sleeve type.

- _____ Spin-on replacement type oil filter.
- _____ 12 volt ignition, electric starter and minimum 40 amp alternator with charge indicator gauge mounted on control console in cab.
- _____ Unit shall have an automatic shutdown system when coolant temperature is too high, coolant level is too low or oil pressure is too low.
- _____ Unit shall share batteries with chassis engine.
- _____ Unit shall have a replaceable element, heavy duty dry type air cleaner with air filter pre-cleaner.
- _____ Mechanical centrifugal type variable speed governor shall be used to control engine speed.
- _____ Power unit shall be accessible by swinging open a contour shaped side access panel. The side access panel shall be constructed of composite materials for additional strength and sound reduction.
- _____ To keep overall height to a minimum when dumping, the access panel shall not be attached to the hopper weldment.

DUST SEPARATOR:

- _____ Separation of the dirt and refuse from the air stream shall be accomplished by means of an external cylindrical multi-pass centrifugal dust separator with a minimum size of 20" diameter and 22.5" width. The separator shall be designed so that it will not plug with normally encountered debris.
- _____ The separator shall be lined with a bolt-in, replaceable, wear resistant rubber liner for long life.
- _____ The dust separator shall have a minimum 4" diameter port allowing inspection and cleaning of the interior.
- _____ The separator shall incorporate a self-cleaning compartment to trap fine particulates and prevent re-entry into the air stream.
- _____ A dual steel screen with total area of not less than 3,200 square inches shall be provided to allow air to move freely from the hopper into the centrifugal dust separator.
- _____ Screens shall lift with the dump door to allow easy access for cleaning.
- _____ A dust separator cleanout plug extension handle shall be furnished.

HOPPER:

- _____ Hopper shall be constructed of full seam welded steel plate.
- _____ Hopper size to be a minimum four (4.0) cubic yard volumetric measurement with a maximum operating load capacity of 8,000 pounds.
- _____ Dumping shall be accomplished by means of hydraulically actuated piggyback cylinders causing hopper to tilt up expelling the load behind the rear wheels. Dump cylinders shall not protrude below sweeper frame.
- _____ Dump angle shall be a minimum of 90 degrees.
- _____ The hopper floor shall have a minimum dumping height of 80 inches when fully loaded.
- _____ Hopper door shall have an opening dimension of 77-1/4" x 70" and be opened/closed by means of two hydraulic cylinders.
- _____ The required overhead dump height clearance shall be no greater than 14 feet.
- _____ For easy access and to insure airtight hopper seals the hopper dump door shall be hydraulically actuated.
- _____ Hopper door shall be held in the closed position by means of a lock valve located in the hydraulic dump circuit.
- _____ Hopper shall be maintained airtight through use of rubber seals on all doors and openings.

- _____ Hopper shall contain a chute area with a replaceable deflector.
- _____ All hopper doors shall be fabricated from steel plate to prevent loss of airtight seals due to warping, cracking, or premature wear.
- _____ Hydraulic cylinder movement shall be controlled with the use of an electric toggle switch located on the exterior of sweeper behind truck cab.
- _____ Hopper shall have a safety prop with manually installed latching pin
- _____ Hopper load indicator shall consist of a frame mounted sensor with audible and visual indicators in cab that signals full load.
- _____ Roof access clean-out doors prohibited due to potential safety hazards.
- _____ One work light shall be mounted at the rear of the hopper.
- _____ Polyethylene fenders with mud flaps shall be provided on rear axle.
- _____ An abrasion protection package shall be provided with bolt-in poly or rubber liners in wear areas throughout the machine.

HYDRAULIC SYSTEM:

- _____ The hydraulic system shall be adequate for use within the design requirements of the sweeper. The system shall include a minimum 13.5 gallon reservoir, sight gauge, temperature gauge, 80 mesh suction strainer, spin-on replaceable full flow oil filter, hydraulic cylinders, gutter broom drive motors, control valves, relief valves, hydraulic hoses and standard fittings.
- _____ The hydraulic pump shall be gear driven by the auxiliary engine.
- _____ System pressures shall consist of 1500 PSI maximum for pick-up head and dump door; 2500 PSI maximum for gutter broom(s).
- _____ Auxiliary hydraulic system shall be provided to electrically operate hydraulics without engine running.
- _____ Hydraulic control valves must be easily accessible for service without raising the hopper or enclosures.

BLOWER:

- _____ Heavy duty, wear resistant, high strength cast aluminum alloy turbine type open face blower computer balanced within 4 grams shall be provided to create air pressure and suction.
- _____ Blower wheel shall be covered with wear-resistant rubber for long life.
- _____ Blower shall be mounted on self-aligning anti-friction bearings.
- _____ Blower shall be driven from PTO off auxiliary engine by heavy duty power belt which shall be adjustable for tension.
- _____ Blower housing shall be lined with a bolt-in wear resistant, replaceable rubber liner for long life.
- _____ Blower not to exceed 3000 RPM to insure smooth efficient performance.
- _____ Blower housing shall be accessible by swinging open a contour shape side access panel. The side access panel shall be constructed of composite materials and shall have an inner membrane encapsulated in its design for additional strength and sound reduction.
- _____ Access to blower housing must be accomplished without raising hopper.

PICK-UP HEAD:

- _____ A spring balanced all steel fabricated pick-up head with maximum length and width of 78" x 30" I.D. shall be provided.

- _____ The pick-up head shall have a separate upper and lower chamber where pressurized air is blasted from upper chamber through an elongated blast orifice to street surface.
- _____ Blast orifice flange shall be of bolt-on design so that flange is easily replaced and shall have slots so that blast orifice gap is easily adjusted without removing pick-up head from sweeper.
- _____ Pick-up head shall have a 12 inch diameter (minimum) bolt on pressure inlet ring with turning vanes located on left side of pick-up head.
- _____ A 12 inch diameter (minimum) heavy duty pressure hose attached to the blower housing shall be provided.
- _____ A 12 inch diameter (minimum) heavy duty suction hose, attached to a quick disconnect transition at the hopper shall extend down to the right side of the pick-up head and shall be attached to the pick-up head suction nozzle ring which shall be constructed of 10 gauge steel.
- _____ Pick-up head shall be equipped with 2 inch wide adjustable side mounted integral alloy steel and carbide runners for maximum pick up ability and long life. DUO SKID runners to be warranted for 2 years/2,000 hours prorated.
- _____ Side plates shall have a minimum height adjustment of 4 inches at the blast orifice.
- _____ Pick-up head shall be raised and lowered hydraulically by a single switch on the control panel.
- _____ Pressure inlet ring shall be equipped with an adjustable pressure relief for optimum leaf and light debris sweeping; pressure relief shall be controlled from inside cab.
- _____ Because of safety and environmental concerns the pick-up head shall be capable of operating in both forward and reverse directions.

GUTTER BROOMS:

- _____ Left and right gutter brooms shall be 36 inch diameter (minimum), steel vertical digger type for removing debris from gutter area. The gutter broom wires shall be high carbon tempered steel and 11 inches in length for maximum wear life.
- _____ Gutter brooms shall be hydraulic motor driven and shall be positioned laterally and vertically by one hydraulic cylinder.
- _____ Gutter broom down pressure shall be automatically adjusted to load by a pressure sensing sequence valve in-line with gutter broom torque motor.
- _____ Gutter brooms shall have adjustment for bristle contact pattern and wear.
- _____ Gutter brooms shall have lateral flexibility to swing rearward 15" when encountering the impact of an immovable object thus avoiding damage to the broom assembly.
- _____ Gutter brooms shall have a spring adjustment to allow downward compensation for bristle wear and shall be free floating to follow street contour.
- _____ Gutter brooms shall be held in the up and transit position by use of an electric lock valve attachment. Upward motion of gutter brooms shall be regulated by an adjustable flow control valve.
- _____ Gutter brooms shall be controlled from inside the cab by a single electric toggle switch.

DUST CONTROL WATER SYSTEM:

- _____ Water tank shall be minimum 150 gallon capacity, constructed of recyclable, translucent polyethylene for strength and ability to view water level at all times. Water tank shall be 100% rustproof and shall be of bolt-in design for easy removal.
- _____ Water from tank to be filtered by 80 mesh cleanable filter located between tank and water pump.

- _____ 12V electric motor driven pump rated at 5 GPM with a 25 PSI system relief pressure and with an electronic solid state liquid level sensor to automatically shut off pump and turn on low water warning lamp when water is depleted.
- _____ Electric solenoid water control valves shall be cab controlled. Spray system shall include spray nozzles to be located as follows: minimum of 2 for gutter broom, and 1 inside hopper. Water nozzles to be located near the gutter broom and top of hopper suction inlet throat for easy inspection and superior dust control.
- _____ Water tank shall have anti-siphon/anti-pressure filler neck with air gap.
- _____ Flexible 20-foot (minimum) long water fill hose with 2-1/2" quick disconnect coupling for filling water reservoir shall be provided. Water fill hose shall include a stainless 100 mesh cleanable filter.
- _____ A pressure transition nozzle shall be supplied.

REAR STORAGE COMPARTMENTS:

- _____ Sweeper shall have two (2) rear storage compartments located one (1) on each side of the debris hopper.
- _____ Storage compartments shall be fabricated of polyethylene and have a total capacity of not less than 26.6 cubic feet.
- _____ Compartments shall be independent of rear bumper and rear fenders for ease of maintenance.
- _____ Compartment doors shall be mounted on the side of the sweeper.
- _____ Storage compartments shall be fully enclosed and independent. Pass-through boxes that allow items to potentially fall around drive train components are not acceptable.

SAFETY WARNING DEVICES:

- _____ Unit shall have two rear mounted LED amber alternating flashing warning lights.
- _____ Unit shall have back up alarm that sounds when placed into reverse gear.

OPERATING CONTROLS:

- _____ All operating controls for sweeper (including dump control) shall be mounted inside truck cab and readily accessible to the operator in the driving position.
- _____ All main electrical systems, i.e. ignition, lights, hydraulic and water shall be separately fused to isolate electrical problems to fused area and speed service.
- _____ Auxiliary Fuse Panel is a +12VDC fused power source panel for any needed additional electrical components or accessories i.e. radios, warning lights, controls, etc.
- _____ Auxiliary engine controls and gauges shall be mounted on console panel and consist of, but not limited to, ignition switch, electronically actuated throttle, oil pressure gauge, water temperature gauge, volt meter and tachometer.
- _____ Sweeper controls, meters and gauges shall consist of, but not limited to, gutter broom, pick-up head, warning lights, water system and work light lighted paddle type switches, low water light, hour meter and pressure bleeder control.
- _____ All external wiring, harnesses, and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch).
- _____ Dump control shall consist of a single weatherproof toggle switch located on the exterior of sweeper just behind the truck cab.

MANUALS:

- _____ The bidder shall supply one sweeper operators and one sweeper parts and service manuals and one set on CD with each unit.
- _____ Manufacturer shall have available certifiable training course for complete maintenance and operation of sweeper.
- _____ Manufacturer must have scheduled a minimum of 20 training courses per year for convenience of customers scheduling.
- _____ Bidder shall provide operator instruction/safety/maintenance procedures on DVD with the unit.

PAINT – COLOR:

- _____ The entire unit shall be painted with manufacturers standard white paint applied over a suitable primer. Pick-up head, gutter brooms and truck frame shall be painted black.

ADDITIONAL ITEMS:

- _____ Hopper has an additional dump switch control in the cab's control panel.
- _____ The right gutter broom shall be equipped with a hydraulic tilt feature controlled from inside the cab.
- _____ A hopper deluge system shall be provided for cleaning the hopper. It shall have a removable high volume nozzle with a quick disconnect hydrant connection.
- _____ In addition to the pressure bleeder a hydraulically actuated front curtain lifter shall be supplied to aid in sweeping leaves and bulky debris. The curtain lifter shall be controlled from inside the cab.
- _____ Power unit must be easily accessible without starting the engine or the use of auxiliary hydraulics.
- _____ An auxiliary fuse panel shall be supplied.
- _____ A removable suction tube transition shall be provided to allow the suction tube and transition to be pulled out away from sweeper for inspection.
- _____ Additional spray nozzle located inside the pressure transition
- _____ A cab-mounted LED light bar shall be supplied.

**CHASSIS
(INTERNATIONAL 4300-M7 25,500 lb. GVW)**

GENERAL:

- _____ Chassis/cab shall be conventional with a tilt hood. Frame to be straight full channel steel rails (50,000 PSI). Gross vehicle weight rating shall not be less than 25,500 GVW. Curb weight with cab, fuel, water, oil and tires shall be approximately 9,000 lbs. Standard truck cab enclosed and equipped with tinted safety glass all around and two individual, adjustable, high back air seats with lumbar support and safety seat belts. (Sliding windows are not acceptable.)

WARRANTY:

- _____ Total chassis coverage is 24-months/unlimited mileage.
- _____ Engine (diesel) coverage is 36-months/150,000 miles.
- _____ Drive train coverage is 24-months/unlimited mileage.
- _____ Frame coverage is 60-months/unlimited mileage.
- _____ Cab corrosion coverage is 60-months/unlimited mileage.

(Warranty coverage is 100% parts and labor unless otherwise noted as provided by chassis manufacturer.)

WHEELBASE:

- _____ Shall be minimum 154" and shall provide approximately 86.9" between back of cab and center of rear axle for proper load distribution.
- _____ Special frame drilling and brake chambers relocation.

AXLES:

- _____ Front axle to be minimum of 8,000 lbs. with suspension of 8,000 lbs.
- _____ Rear axle shall be 17,500 lbs. single speed with a ratio of 6.43, suspension to be minimum of 23,500 lbs. with 4,500 lbs. capacity auxiliary rubber spring.
- _____ Body builders wiring to back of cab at frame

STEERING – DUAL:

- _____ Dual operator controlled integral power steering with cruise control, tilt and dual gauge package.
- _____ Diameter of steering wheel will be minimum 18".

BRAKES:

- _____ Service brakes to be full air with 13.2 cfm air compressor.
- _____ Air tank drain valve, manual with pull cable.
- _____ Front brakes shall be 15" x 4".
- _____ Rear brakes shall be 16½" x 7".
- _____ Shall have automatic slack adjusters front and rear.
- _____ Parking brakes shall be spring actuated, double diaphragm, 20" Haldex air chambers, with warning light.
- _____ Brake chambers, spring relocated to rear of rear axle for maximum ground clearance.
- _____ 4-Channel anti-lock brake system shall be provided.

CAB:

- _____ Cab shall have in-dash chassis manufacturer's factory installed air conditioner for operator safety and comfort with fresh air filters (2). After market air conditioners are unacceptable.
- _____ Cab to have individual driver and passenger air, high back adjustable seats with 1 chamber lumbar support and two position front cushions adjust and back angle adjust.

- _____ Tinted glass shall be provided.
- _____ Dual sun visors, coat hook, storage pocket on driver door, cigar lighter/power source, electric horn, electric windshield washer and 2 speed electric wipers with intermittent wiper switch shall be provided.
- _____ Chassis shall be equipped with fresh air heater, defroster, dual 7" x 15.75" remote controlled heated electric powered mirrors with clearance lights LED, 2 separate 10-1/2" diameter parabolic mirrors.
- _____ AM/FM stereo radio with auxiliary input shall be provided.
- _____ Instrument panel shall be flat.
- _____ Two (2) aluminum grab handles shall be mounted on left and right side for cab entry.
- _____ A gauge cluster shall include speedometer, engine oil pressure, water temperature, fuel, tachometer, voltmeter and odometer displaying miles, trip miles, engine hours, trip hours, fault code readout.
- _____ A visual and audible warning system shall be provided for low fuel, low oil pressure, high engine coolant temperature and low battery voltage.

ELECTRICAL:

- _____ Shall consist of two, multiple beam headlights with dash beam indicator, instrument panel, taillights, stop lights, front and rear turn signals, and self-canceling signal switch, equipped for four-way flashing. Taillights, stop lights and signal lamps may be in combination.
- _____ Shall have 2- 12 volt (1300 CCA total) maintenance free batteries.
- _____ Shall have a 120 amp alternator.

ENGINE:

- _____ Shall be V8 turbocharged and air-to-air inter-cooled diesel with a minimum 220 HP at 2600 RPM, 390 cu. in (6.4L); 560 lb/ft torque @ 1400 RPM.
- _____ Dry type air cleaner with service protection element and restriction indicator dash mounted shall be furnished.
- _____ Automatic glow plug with indicator light shall be supplied.
- _____ Automatic shutdown/over temperature protection engine coolant shall be provided.
- _____ Remote engine control wiring shall be provided.
- _____ Extended life coolant shall be provided.
- _____ Fuel heater with fuel/water separator (engine mounted) shall be provided.

FUEL:

- _____ A 52 gallon steel tank shall be supplied and shall supply fuel to both engines.

TIRES AND WHEELS:

- _____ Heavy duty first line quality tubeless tires to be minimum 255/70R22.5, 16 ply rating with duals in rear for adequately carrying full load of sweeper and maximum stability.
- _____ Wheels to be 10 hole disc 22.5 x 8.25 DC.

TRANSMISSION:

- _____ Shall be heavy duty Allison 2500RDS-P electronic, six-speed forward, one reverse, automatic, with external oil filter.
- _____ Synthetic transmission oil shall be furnished
- _____ Transmission oil temperature gauge shall be mounted in cab.

In light of any deletions or omissions within these specifications, bidder is expected to submit a bid that reflects a product that will meet the City's expectations, provide high quality and reliable service, and meets or exceeds industry standards for such equipment. The City reserves the right to reject any bid it deems not in the best interest of the City at the sole discretion of the City of Beaufort. At that decision the matter is considered closed and complete.