

**CITY OF BEAUFORT
SOLICITING SEALED PROPOSALS FOR
MOBILE REFUSE CARTS**

The City of Beaufort is requesting sealed, competitive, proposals for interested Vendors to provide the City of Beaufort fifty-five hundred (5,500) Mobile Refuse Carts.

Interested vendors may contact the City of Beaufort Public Works Department at (843) 525-7054 for detailed specifications .

Interested vendors are required to submit proposals, which must be received by **3:00 p.m., Monday, August 7, 2006** at the Public Works Department, 16 Burton Hill Road, Beaufort, SC 29906.

Mail Proposals to:

*City of Beaufort
Public Works Department
PO Drawer 1167
Beaufort, SC 29901*

OR

Deliver Proposals to:

*City of Beaufort
Public Works Department
16 Burton Hill Road
Beaufort, SC 29906*

ALL PROPOSALS MUST be in a sealed envelope and identified as “**SEALED PROPOSAL – REFUSE CARTS**”. The proposal must be signed by an official authorized to bind the offer. The City of Beaufort reserves the right to reject any, or all, proposals received as a result of this request. The request does not obligate the City of Beaufort to award a contract, to pay any cost incurred in the preparation of a proposal, or to contract for services.

Mobile Refuse Carts Specification List

The City of Beaufort is requesting sealed, competitive proposals from interest vendors to provide the City of Beaufort fifty-five hundred (5,500) mobile refuse carts. To be considered, vendors must provide the following information:

- All available cart capacities (max 96 gals – minimum 45 gals)
- Load Rating (minimum 300 lbs)
- Provide each cart's dimension (height, length, depth, and width)
- Cart's empty weight and stability against wind tip-over. Container shall be stable and self balancing in its upright position when either empty or loaded to its minimum design load capacity with an evenly distributed load and with the lid either in the open or closed position. The container shall be capable of being easily moved and maneuvered, with an evenly distributed load equal in weight to its minimum design capacity on a level, sloped or stepped surface in two directions.
- Container shall have the capability of being used by both semi-automated and full-automated vehicles.
- Vendor shall indicate all colors available. Colors are true through and through colors, not painted
- Wheels and Axles. Each container shall be equipped with an axle and two wheels. The wheels and axle shall be designed so as to provide the specified wind stability. The axle shall be groove-mounted so as to maintain the waterproof nature of the container. The wheels shall be 12 inches in diameter and 1.75 inches wide, and **shall be fully functional for supporting the specified maximum container weight**. Wheel bearings shall be self-lubricating. The axle shall be solid steel, minimum diameter of 5/8 inches, and plated for corrosion resistance. Wheel retainers shall provide for the secure attachment of the wheels and shall not be easily removed with ordinary tools. Vendor will need to provide any specialized tool.
- Pick-up Point. The container shall be equipped with pick-up points to engage the container on the lifting device and dump the containers contents. All pick-up points shall be modular design so as to insure low cost repair in case of failure due to overloading and/or other container misuse. All pick-up points shall be attached by bolts or similar attachment method to protect the container body. Pick-up bars shall not be imbedded in the container, nor shall container recesses be used as pick-up points. All tubular metal used as pick-up points shall be constructed of 14-gauge, 1-inch O.D., tubular steel with corrosion-resistant zinc-plating to protect against detrimental red rust. Bars must not rotate when mounted on container body. Accompanying hardware (i.e., nuts, bolts, et cetera) shall also have similar corrosion-resistant plating.
- Lid. The lid and hinge shall be of a one-piece design. The hinge shall be an integrally-molded part of the lid configuration to insure security and less maintenance. Similarly, the lid shall be designed so as to operate with one hand.

The container must maintain stability when the lid is opened and rotated to the fully-opened position. The lid shall continuously overlap the container body or otherwise cause and interface with the container body that simultaneously:

- 1) Shall prevent the intrusion of rainwater, rodents and birds.
- 2) Enables free and complete flow of refuse from the container during the dump cycle without interference with the refuse already deposited in the truck body and lifting mechanism.

The lid shall be hinged to the cart body so as to enable the lid to be fully opened, 270 degrees, free of tension, to a position whereby it may rest against the back side of the container body. The lid must be designed in such a manner to ensure that the container will be water tight and be attached to the container without the use of a metal hinge, metal bar, PVC, plastic glues, connections or hidden bar handles. Living hinges or bolt on hinges are unacceptable.

- Handle Brackets. Handle brackets must be attached to cart body using mechanical fasteners, molded in handle brackets are not acceptable.
- Interior Surface. The interior surface shall be smooth and free of crevices, recesses, projections and other obstructions where refuse could become entrapped or entangled. The interior construction and shape shall assure the free flow of solid waste contents from the container when dumped.
- Ultraviolet Stabilizer. The container shall be stabilized against ultraviolet rays by an additive to the plastic resin. Stabilizer must be hot melt compounded into the resin. Bidder must indicate additive manufacturer, type, and amount
- Warranty Period. The container body shall be warranted on a non-prorated 100% replacement basis for the 10-year warranty period against any cracks or splits in the container body which render the container inoperable that arise from failure of any pick-up points, assuming proper system maintenance and operation.
- City Markings. The container must appear clean and free of markings. No exterior stickers may be placed on the container by the bidder except those approved by the City of Beaufort. The City of Beaufort and its logo must be hot molded or hot stamped into the body of the container. Color of stamp to be determined by the City of Beaufort. The container shall have the following indications and contraindications molded into the lid.
 - 1) DO: Rinse with hose occasionally. Keep lid on container
 - 2) DO NOT: Place hot ashes, charcoal or other hot material, paints, solvents or flammable liquids in Container.
 - 3) DO NOT: Leave on curb after 7:30 p.m., day of your collection
 - 4) DO NOT: Drag Cart

The container lid shall also bear instructions directing the residents to face the back of the container towards the street. A warning not to roll cart with lid open shall be clearly visible to the user when lid is open.

- Serial Numbers. All containers shall be sequentially numbered, 5 digit numbers (series to be designated by the City of Beaufort). The numbers must be one inch in height and easily visible. The numbers must be hot stamped on the container.
- Deliver and Distribution. The containers will be delivered to one point. The containers shall be assembled except for lids and wheels. Assembly and delivery on-site will be performed by vendor.

- Replacement Parts. The bid submitted shall guarantee the continuous availability of parts over the ten-year period. A part price list shall be submitted with the bid and these prices shall be guaranteed for a one-year period from date of delivery.
- Recycling Buyback Program. Manufacturer must guarantee recycleability of all containers and state a price per container paid to the City for the recyclable material in the container when the container is returned to the manufacturer.
- Container Recycle-Ability. All plastic components will be recyclable into other polyethylene products. Bidders shall provide a statement of recycle ability of the proposed container and component parts.
- Chemical Resistance. Container shall resist damage from common household or residential products and chemicals. The bidder shall submit with its proposal a complete list of any common household or residential products or chemicals that could, through contact, damage the container or any of its component parts
- Manufacturing Date Identification. The date of manufacture, month and year must be hot stamped on the container in an easily readable location for the City of Beaufort Staff.
- Terms of Defective Product. Any containers, including the lid, hardware, and all component parts that through normal and regular use do not continuously perform in the designed and intended manner due to, but not limited to, the occurrence of one or more of the factors listed below, must be considered to be defective and must be covered by the terms of the warranty and must result in the complete replacement of the container.
 - 1) Failure of the lid to prevent rainwater from entering the container when closed on the container body.
 - 2) Failure of the lid and or container body in preventing penetration of squirrels and rodents.
 - 3) Damage to the container body, the lid, or any component parts through opening or closing the lid.
 - 4) Failure of the lid hinge to remain fully functional and continually hold the lid in the originally designed and intended positions when either open or closed.
 - 5) Failure of the container to remain standing when the lid is fully opened and the container is emptied.
 - 6) Failure of any plastic components to be resistant to damage from contact with any common household or residential products / chemicals other than those listed by the bidder.
 - 7) Failure of any plastic components to be resistant to damage from contact with any common household or residential products / chemicals other than those listed by the bidder.
 - 8) Failure of any portion of the bottom of the container body to remain impervious to damage or wear after repeated contact with rough or abusive surfaces.
 - 9) Failure of the tires to remain in place and fully serviceable, as intended.
 - 10) Failure of the container body, lid hardware, or any component parts to maintain their functional shape.

- 11) Failure of the wheels and axles to provide continuous, easy mobility, as originally intended.
 - 12) Damage or failure of container or assemblages caused by an incompatibility of the container with the City's refuse collection vehicles for fully automated and semi-automated operations.
- Inventory Requirements. The bidder must guarantee the continuous availability of a complete inventory of all replacement parts for a period of 120 months beginning 1 year after delivery of the first containers to the City of Beaufort. The size of the inventory must be adequate to enable delivery of needed parts for on-site repair within 48 hours of notification to the bidder of the need for parts.
 - The bidder must provide a listing of all replacement parts with the proposal, describing each part, indicating applicable part numbers and quoting respective price. The bidder agrees to furnish such parts at the quoted prices for a period of one year from the date of delivery of the first containers to the City of Beaufort.
 - Guaranteed Period of Time for Cost of Carts and Replacement Part. Vendor must guarantee bid cost on carts and replacement parts for a minimum of 18 months from bid opening.
 - Delivery Date. Vendor must indicate and guarantee delivery time and date.
 - Truck Retro-Fit for Dumpers. Vendor must provide a list of certified contractors who can retro-fit City vehicles with dual dumping devices for carts, length of time needed for retro-fit, and estimated cost of retro-fit per vehicle.
 - Dumping Cycle:. Vendor will also indicate dumping cycle times from start to completion

ALL PROPOSALS MUST BE RECEIVED BY THE CITY OF BEAUFORT, PUBLIC WORKS DEPARTMENT, 16 BURTON HILL ROAD, BEAUFORT, SC 29906 BY 3:00 P.M., MONDAY, AUGUST 7 2006