

# City Of Prescott

## BID SPECIFICATONS FOR AUTOMATED CONTAINERS

**BACKGROUND:** The City of Prescott has budgeted \$120,000.00 for the purchase of new automated containers for FY08 (July 1, 2007 through June 30, 2008) however, this should not be construed in any way as a guarantee that the City will expend the full amount. The purchase order awarded to the successful bidder will identify this amount as “not to exceed” and containers will be ordered by the truckload on an as needed basis.

1. **INSTRUCTIONS:** The specifications herein describe the minimum acceptable features and performance requirements for rollout waste containers the City will purchase for its citizens. Bidders are to have thoroughly read and understood these specifications prior to bid submission.

All bids must be submitted on the City’s form provided. Bidders shall complete the specification column with a check mark to indicate if the item being bid is exactly as specified. If an item is left blank, the City will assume the bidder cannot meet the specifications and may cause rejection of the bid.

By checking any of the “NO” spaces the bidder states that the product being bid does not conform to that specification. All variations and/or exceptions must be documented, referencing applicable paragraph(s), and explained in detail on a separate page titled “Exceptions”. If the City determines by any means that exceptions exist which were not identified on such list, then that bid will be disqualified as being non-responsive. If no exceptions are taken, it will be assumed that the bid meets all specifications as stated.

2. **MANUFACTURING PROCESSES AND MATERIALS:** Each rollout container shall consist of a body, lid, wheels, axle, and necessary accessories. The plastic resin material and the finished container must meet the minimum specifications herein.

		YES	NO
2.1	<b>MANUFACTURING PROCESS:</b> Each container body must be manufactured from an injection-molding or rotational molded process.		
2.2	<b>WALL THICKNESS:</b> The container shall have a nominal wall thickness of .170 inches throughout the body of the container. The container shall have a minimum wall thickness of .185 inches in the critical wear points (i.e. Cart bottom, handle, lift mechanism). Wall thickness must be maintained on every container throughout the life of the contract within a 5% tolerance. A \$25 penalty will be assessed to the vendor for every container that does not meet this specification		
2.3	<b>ULTRAVIOLET INHIBITORS:</b> The polymer (resin) used to manufacture the container must be		

	stabilized to maintain a minimum of 80% loss of elongation over 5 years. Test results must be provided with bid package that proves that the polymer meets minimum specifications. Specifics to be decided.		
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3. **CONTAINER REQUIREMENTS:**

		YES	NO
3.1	<p><b>ANSI CONFORMANCE:</b> Containers bid herein must meet the requirements of ANSI Z245.30-1999 and ANSI Z245.60-1999 standards for "Type B/G" containers.</p> <p>Bidder must submit independently certified copies of all ANSI test results with bid. Test results must state load (in pounds) under which tests were conducted. The load under which the tests were conducted must be the same as the load rating stated in all literature and specifications. The ANSI Appendix D test for "Loading and Unloading Test for Carts" must clearly state that the required 520 dump cycles under the cart's full rated load were performed on both a Semi-Automated Cart Lifter and a Fully Automated Grabber Arm.</p>		
3.2	<p><b>LOAD RATING:</b> Containers must be designed to regularly receive and dump the following pounds of waste materials, excluding the weight of the container, without permanent damage or deformation. The load rating must conform with ANSI Standard Z245.30-1999.</p> <p>Bidder must submit its normal printed color sales brochure which shows the exact product item bid and the corresponding load rating. Bidder must mark the location of the load rating on the brochure with a bold red arrow so as to aim directly at the load rating. Load rating stated on literature must exactly match all specifications, ANSI certification submitted with bidder's proposal, and the load rating permanently marked on the product.</p> <p><b>96 Gallon:</b> STATE LOAD RATING - _____ pounds  <b>65 Gallon:</b> STATE LOAD RATING - _____ pounds</p>		
3.3	<p><b>WEIGHT:</b> The total weight of the fully assembled container shall be as follows:</p> <p><b>96 Gallon</b> – 32 pounds minimum to 45 pounds maximum  <b>65 Gallon</b> – 25 pounds minimum to 40 pounds maximum</p> <p>STATE FULLY ASSEMBLED WEIGHT OF EACH SIZE –  <b>96 Gallon</b> - _____ pounds  <b>65 Gallon</b> - _____ pounds</p>		

3.4	<p><b>CAPACITY:</b> The total capacity of the container body, excluding the lid, must be 96 U.S. gallons, and 65 to 68 U.S. gallons (+/- 1%). Bidder must include an independent test result according to ANSI Z245.30, Appendix A (Volume Test), certified by an accredited professional engineer, showing the exact capacity of the cart body (to the nearest 0.1 U.S. gallon).</p> <p><b>96 Gallon:</b> STATE BODY CAPACITY - _____ U.S. Gallons  <b>65 Gallon:</b> STATE BODY CAPACITY - _____ U.S. Gallons</p>		
3.5	<p><b>DIMENSIONS:</b> Please state the exterior dimensions of the completely assembled container:</p> <p><b>96 Gallon –</b>  STATE HEIGHT- _____ ”  STATE LENGTH- _____ ”  STATE WIDTH- _____ ”</p> <p><b>65 Gallon –</b>  STATE HEIGHT- _____ ”  STATE LENGTH- _____ ”  STATE WIDTH- _____ ”</p>		
3.6	<p><b>RIM OF BODY:</b> The upper rim of each body must consist of a closed tubular design, similar to square steel tubing, for maximum strength during collection. The rim must also include a ledge on which the lid rests to create a tight seal between body and lid. Rolled over or other rims that are open on the underside are NOT acceptable.</p>		
3.7	<p><b>HANDLES:</b> Each container must be equipped with two (2) handles, each a minimum of 1” diameter. The handles and handle mounts must be an integrally molded part of the container body. The handles shall be designed to afford the user positive control of the loaded cart at all times. The handles must not have the ability to rotate on their own axis at any time. Handles which are molded as part of the lid are unacceptable. Bolted-on handle mounts or bolted-on handles are unacceptable. Handles must conform to ANSI Z245.30 – 1994 section 6.1.4.2 regarding handles.</p>		
3.8	<p><b>LID:</b> The lid shall be configured to ensure that it will not warp, bend, slump, or distort such an extent that it no longer fits the container properly or becomes otherwise unserviceable. The lid must be crowned in shape and designed to disallow entry of rain when in the closed position. The lid must open from a closed position through a full 270° arc. Living hinges and lid counter weights are unacceptable. Lid latches are unacceptable.</p>		
3.9	<p><b>BOTTOM:</b> The bottom of the container must have a molded-in wear strip to protect against dragging. Container base</p>		

	must be impact resistant at all points (four corners and the center) of the base for durability. Screw-on, bolt-on, or pop-on wear guards are unacceptable.		
3.10	WHEELS: Wheels shall be 10" diameter and 1.75" wide with knobby treads. Wheels must be extra high molecular weight polyethylene capable of supporting 200 pounds per wheel.		
3.11	AXLE: The axle must be 5/8" diameter zinc chromate plated solid high strength steel fully supported by cart body. Axle must slide through two molded-in plastic journals in the cart bottom and must not be exposed to contents inside of container. Each molded-in axle journal must be at least 1" wide. Axles attached by means of bolts or rivets are unacceptable.		
3.12	STABILITY: Each container shall be stable and self-balancing when in the upright position, either loaded or empty. The container must be designed to withstand winds of up to 25 mph when empty. Containers must be easy for a citizen to tilt to the roll position when fully loaded while keeping both feet on the ground. Any container which is judged as too difficult to tilt when loaded to maximum capacity of material will be disqualified. Containers that require a foot fulcrum to assist in tilting the container are unacceptable.		
3.13	EASE OF ASSEMBLY AND DISASSEMBLY: Vendor shall supply a cart assembly instruction sheet with their response. The instruction sheet should include a list of container parts, a list of tools needed for assembly and a step by step description of how to assemble the container.  Preference will be given to carts that require the fewest number of people to assemble, that have the fewest number of assembly steps and have the least dependence on specialized tools for assembly/disassembly or repair.		
3.15	COLOR: The container body color shall be green or blue. Bidder must supply sample chips of the colors available with their bid. Surface treatments, spray-on finishes and materials that are not homogenous are not acceptable.		
3.16	Are any specialty colors such as granite available? If so, state any additional price per can for this option.		

4. **MARKINGS:** Each container must be permanently marked with letters/numbers, as follows:

		YES	NO
4.1	SERIAL NUMBERS: Each container must have a serial number hot stamped in white on the front face of its body. The serial number shall be a 7 digit number starting with the size of the can i.e. 68, 65, 96. The can must also be stamped with manufactured date for warranty purposes. Serial		

	numbers shall be in sequence beginning with a number designated by the City. The bidder will maintain a file that will identify the date of manufacture by the serial number.		
4.2	CITY SEAL: The Seal of the City shall be hot stamped onto both sides of the cart body.		
4.3	USER INSTRUCTIONS: Instructions for the safe use of the container must be molded into each lid. Instructions stating "NO HOT ASH" & "THIS SIDE FACES STREET" shall be in both English and Spanish.		
4.4	LOAD RATING: The load rating of the container must be raised-relief molded into the lid. Load rating shall be stated in both pounds and kilograms and in English and Spanish.		

5. **EXPERIENCE:**

		YES	NO
5.1	REFERENCES: Bidder must submit with its bid a reference list of municipalities currently using the bidder's products. The list must include at least ten (10) municipalities who currently have at least 20,000 carts in service. Include the name of the municipality, year of installation, contact person, phone number, and quantity for each reference. Failure to include these references will result in bid disqualification.		

6. **WARRANTY:** Bidder must submit with bid a document which clearly states the exact warranty of the bidder. The warranty must be for no less than ten (10) full years and must specifically provide for no-charge replacement of any component parts which fail in materials of workmanship for a period of ten (10) years after installation. NOTE: Special consideration will be given to any bidder extending the warranty to 12yrs. The bidders warranty is understood to include, whether stated in bidder's warranty or not, the following coverage:

		YES	NO
6.1	Failure of the lid to prevent rain water from entering the container when in the closed position.		
6.2	Damage to the container body, lid, or any component parts through opening or closing the lid.		
6.3	Failure of the lower lift bar from damage during interface with lifters.		
6.4	Failure of the body and lid to maintain their original shape.		
6.5	Damage or cracking of the container body through normal operating conditions.		
6.6	Failure of the wheels to provide continuous, easy mobility, as originally designed.		
6.7	Failure of any part to conform to minimum standards as specified herein.		
6.8	If bidder is owned by another business entity, then the owning entity must also accept full financial responsibility for the warranty of the bidder. The bidder must submit with their bid a letter from the owning entity which clearly states its obligation and commitment to honor the warranty of the bidder, should the		

	bidder ever be in a position to not do so. Such letter shall be signed by the owning entity's top officer and notarized.		
6.9	Warranty specimen of exact warranty offered must be included with proposal.		
6.95	Will extend warranty for a total period of 12 years.		

7. **LEGAL OR ADMINISTRATIVE SETTLEMENTS:** The manufacturer of the cart must submit the name, contact name and telephone number for each government or agency with which it has had a legal or administrative settlement of warranty, cart failure claims or contract performance within the last five (5) years including ongoing negotiations of settlement. Include a brief summary of the settlement or indicate if a "gag order" was imposed, and by whom it was ordered. This information must be provided on a separate page entitled "Legal or Administrative Settlements."