

REQUEST FOR PROPOSAL SPECIFICATIONS FOR 96 GALLON UNIVERSAL / NESTABLE CONTAINERS

1. **INSTRUCTIONS:** The specifications herein describe the minimum acceptable features and performance requirements for rollout waste containers. Proposers are to have thoroughly read and understood these specifications prior to Proposal submission.

All Proposals must be submitted on the City's form provided. Proposers 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 Proposer cannot meet the specifications and may cause rejection of the Proposal.

By checking any of the "NO" spaces the Proposer states that the product being proposed 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 Proposal will be disqualified as being non-responsive. If no exceptions are taken, it will be assumed that the Proposal 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	MANUFACTURING PROCESS: Each container body must be manufactured by the Rotational molding process.		
2.2	PLASTIC MATERIAL: Base container body plastic resin must be first quality linear medium density polyethylene supplied by a national petrochemical producer. Proposer must submit technical data sheet(s) from the resin producer, which verify resin properties.		
2.3	RESIN ADDITIVES: The plastic resin must be enhanced with color pigment and ultraviolet inhibitor, which must be uniformly distributed throughout the finished container. To ensure thorough distribution of these additives, the resin and additives must be mixed in a molted state using a hot-melt compounding process. Proposer must submit a statement certifying that all of the plastic resin and additives will be hot-melt blended.		

3. **CONTAINER REQUIREMENTS:** The rollout containers must be compatible with standard American semi-automated bar-locking lifters (ANSI type B) as well as automated arm lifters (ANSI type G) and function as follows:

		YES	NO
3.1	<p>ANSI CONFORMANCE: Containers Proposal herein must meet the requirements of ANSI Z245.30-2008 and ANSI Z245.60-2008 standards for "Type B/G" containers.</p> <p>Proposer must submit independently certified copies of all ANSI test results with Proposal. 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 <u>and</u> a Fully Automated Grabber Arm.</p>		
3.2	<p>LOAD RATING: Containers must be designed to regularly receive and dump 335 pounds of waste materials, excluding the weight of the container, without permanent damage or deformation. The load rating must conform with ANSI Standard Z245.30-2008.</p> <p>Proposer must submit its normal printed color sales brochure which shows the exact product item Proposal and the corresponding load rating. Proposer 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 Proposer's proposal, and the load rating permanently marked on the product.</p> <p>STATE LOAD RATING - _____ pounds</p>		
3.3	<p>WEIGHT: The total weight of the fully assembled container shall be 32 pounds minimum to 37 pounds maximum.</p> <p>STATE FULLY ASSEMBLED WEIGHT – _____ pounds</p>		
3.4	<p>CAPACITY: The total capacity of the container body, excluding the lid, must be 96 U.S. gallons (+/- 2%). Proposer 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>STATE BODY CAPACITY - _____ U.S. Gallons</p>		

YES NO

3.5	<p>DIMENSIONS: The exterior dimensions of the completely assembled containers shall be</p> <p>Height: 43.50" STATE HEIGHT - _____"</p> <p>Length: 35.50" STATE LENGTH - _____"</p> <p>Width: 29.75" STATE WIDTH - _____"</p>		
3.6	<p>RIM OF BODY: 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>HANDLES: 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.</p>		
3.8	<p>LID: 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>BOTTOM: The bottom of the container must have a molded-in wear strip to protect against dragging. Container base 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.</p>		
3.10	<p>WHEELS: Wheels shall be 10" diameter and 1.75" wide with knobby treads. Wheels must be blow molded high density polyethylene capable of supporting 200 pounds per wheel.</p>		
3.11	<p>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.</p>		

		YES	NO
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 40 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	LIFT SYSTEM: Each container shall be equipped with attachment points which make it compatible with standard American semi-automated bar-locking lifters and fully-automated arm lifters. The upper lift point must be integrally molded into the body of the container. The lower lift bar must be designed to withstand over ten (10) years of lifter attachment, and must be 1" diameter galvanized steel. It must freely rotate a full 360° on its own axis, and mounted in molded-in plastic bearings so that it is not exposed to the contents inside the container. The lower bar must be factory installed and cannot be attached by means of rivets, screws, bolts, fasteners, etc.		
3.14	NESTABILITY – Containers must be designed so that each fully assembled container can be stacked inside another fully assembled container for maximum efficiency in storage and delivery (carts fully assembled with ALL cart components installed). Containers that will not nest one inside another when fully assembled are NOT acceptable. Wheels and axles must be permanently mounted in one position. An axle and wheel assembly mounted in moveable slides, positions, or pivots is not acceptable.		
3.15	COLOR – The container body color shall be standard solid colors of green, gray, brown blue or black. Proposer must also have special "granite-like" body colors in base colors of green, gray, brown blue or black. These granite colors shall feature a pebble-like finish with multi colors in the surface blending together to create a granite-like visual impression. Surface treatments, spray-on finishes and materials that are not homogenous are not acceptable. Proposer must submit color chips of all solid and granite colors available.		

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 preceded by a letter or number code which designates the year of manufacture. Serial numbers shall be in sequence beginning with a number designated by the City.		

		YES	NO
4.2	CUSTOM HOT STAMPS: A custom marking 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 shall be in both English and Spanish.		
4.5	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: Proposer must submit with its Proposal a reference list of municipalities currently using the Proposer's products. The list must include at least ten (5) 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 Proposal disqualification.		

6. **WARRANTY:** Proposer must submit with Proposal a document which clearly states the exact warranty of the Proposer. The warranty must be for no less than twelve (12) full years of coverage on the cart body, and ten (10) full years of coverage on all other cart components. The warranty must specifically provide for no-charge replacement of any component parts which fail in materials of workmanship for the above stated time periods, beginning at the date of original purchase. The Proposer's warranty is understood to include, whether stated in Proposer'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 body and lid to maintain their original shape.		
6.4	Damage or cracking of the container body through normal operating conditions.		
6.5	Failure of the wheels to provide continuous, easy mobility, as originally designed.		
6.6	Failure of any part to conform to minimum standards as specified herein.		
6.7	Warranty specimen must be included with proposal.		