

## INVITATION TO BID

Sealed bids will be received by the City of Auburn, until 10:00 a.m. local time, on March 7, 2006 in the Office of the City Manager, 144 Tichenor Avenue, Auburn, Alabama, and then publicly opened and read for furnishing the following:

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

Bid specifications are attached. The City is requiring bid prices on one (1) Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body. Please direct any questions to Ray Pratt (334) 501-3095. Bids must be submitted on the attached form within a sealed envelope addressed:

City Manager, City of Auburn  
144 Tichenor Avenue, Suite 1  
Auburn, Alabama 36830

Envelope must be plainly marked on the outside as follows:

BID: One (1) Curb Sorter/Trough Loader, Four Container Truck  
Mount Side Dump Recycling Body  
OPENING: 10:00 a.m., local time  
DATE: March 7, 2006

The City of Auburn reserves the right, as the best interest of the city may require, to award the purchase contract from any of the bids, to reject any or all bids, and to waive any informalities in bids received. Bid will be good for ninety (90) days after being opened by the City of Auburn, Alabama. The City reserves the right to revert to the State of Alabama Contract if the bid price is higher than the contracted amount through the State.

The successful bidder will note that the City pays by invoice on each Friday of the month. Invoices must be received by accounts payable at least seven working days before the scheduled check write. If you have any questions concerning billing, contact our accounts payable office at (334) 501-7237.

CITY OF AUBURN

Karen S. Broome  
Purchasing Office

CITY OF AUBURN  
AUBURN, ALABAMA  
**MINIMUM BID SPECIFICATIONS**  
Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

It is the intent of these specifications to describe a Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body. The winning bidder will be drop-shipped the cab and chassis on which to mount the Recycling Body. Winning Bidder will also be responsible for having a right-hand stand up dual-drive conversion with work brake installed on the chassis. These specifications describe and state minimum requirements of this vehicle. Bids submitted on vehicles not meeting these minimum requirements will be subject to rejection.

The following are intended as guidelines, all equivalent or comparable units will be considered.

All bidders must fill in all blanks: **YES** if meeting or exceeding specifications and **NO** if exceptions are taken. Any exceptions taken must be explained in written detail on bidder’s letterhead and attached to the bid submitted. Bidder must attach a copy of factory warranty for Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body.

**YES   NO   OFFERED**

**General Specifications:**

A.	Four (4) container trough loaded side dump recycling body mounted on a truck chassis (33,000 GVR recommended with a 38” frame height)	_____	_____	_____
B.	<u>CA</u> – 168” cab to axle	_____	_____	_____
C.	<u>AF</u> – 115” of afterframe	_____	_____	_____
D.	Vertical exhaust	_____	_____	_____
E.	Width of 96 inches	_____	_____	_____
F.	Troughs, containers and hoist assembly to be of steel construction	_____	_____	_____
G.	Made in the U.S.A.	_____	_____	_____
H.	Current model production, new unit. No demo or prototypes are acceptable.	_____	_____	_____
I.	Each container to have an independent trough that is used to load that individual container	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS  
Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
J.	Bin size and arrangement:			
1.	First, front container with 8.7 yard capacity dumps on driver's side	_____	_____	_____
2.	Second container with 5.0 yard capacity dumps on driver's side	_____	_____	_____
3.	Third, shallow container with 7.0 yard capacity dumps on driver's side	_____	_____	_____
4.	Fourth, rear container with 8.0 yard with 2-way split dumps on driver's side	_____	_____	_____
K.	Trough Operation			
1.	Each trough capable of elevating while remaining in upright position and dumping into the top center of the container. This trough operation prevents any premature spillage while fully utilizing the volume of each container	_____	_____	_____
2.	Each trough should have the capability of lifting and dumping a 1000 pound load	_____	_____	_____
3.	Loading height of trough should be no more than 38 inches	_____	_____	_____
L.	Trough Construction			
1.	Trough sides and bottom constructed of 14-gauge reinforced steel	_____	_____	_____
2.	Trough floor sheet to have two drain holes	_____	_____	_____
3.	Drive tube should be 1" x 3" x 11 gauge rectangular steel tube	_____	_____	_____
4.	Trough not to extend out beyond container more than 21 1/2" when operating through its dump cycle	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS  
Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
M.	Container Operation			
1.	Each container should dump to the side independently	_____	_____	_____
2.	Each container should have the capability to discharge its load at the truck frame height or at any height up to 46" above chassis frame height. (Each container should have capability of dumping into a container with up to 84" vertical height with vehicle and container at ground level)	_____	_____	_____
3.	36" side offset should be achieved when hoist is cycled to its maximum dump height	_____	_____	_____
4.	Each container should achieve a minimum 50° dump angle to permit clean discharge	_____	_____	_____
5.	Each container should have the capability of dumping a minimum 6,000 pound load plus a 50% safety factor	_____	_____	_____
6.	Each container and hoist should have the ability to overlap into the receptacle 20" when the receptacle has a 74" vertical height	_____	_____	_____
7.	Container unloading door should unlatch automatically during the container tilting (dumping) cycle. This dumping operation should be performed from within the cab chassis keeping the operator away from moving components	_____	_____	_____
8.	Throttle advance should be automatic	_____	_____	_____
N.	Container Construction			
1.	Container sidewalls to be constructed of 16 gauge cold rolled ASTM A-366 with reinforcements of 1 1/2" x 3" x 1/8" rectangular tube	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
2.	Container floor to be constructed of 14 gauge steel with reinforcement of 2" x 3" x 1/4" wall longsills with 2" x 4" x 1/4" rectangular tube cross sills	_____	_____	_____
3.	Container top loading door is full width and length of each individual container and constructed of 16 gauge steel sheet framed with 1 1/2" x 3" x 1/8" rectangular steel tube. Actuating link truss assembly constructed of 1 1/2" x 3" x 11 gauge rectangular tube	_____	_____	_____
4.	Top door hinges on 1 1/4" solid hinge shaft encased in heavy wall round tubing with 2" x 5" x 1/4" rectangular torque tube	_____	_____	_____
5.	Hinged unloading door to be:			
a.	Constructed of 16 gauge steel sheet, framed with 1 1/2" x 3" x 11 gauge rectangular tube	_____	_____	_____
b.	Two horizontal corrugations stamped in the sheet	_____	_____	_____
c.	Removable 1 1/4" hinge pin designed for ease of replacement	_____	_____	_____
6.	Automatic unlatching and latching mechanism driven from the hoist mainframe	_____	_____	_____
7.	Latch fingers to be constructed of 3/4" flame cut plate operated by over center cam mechanism	_____	_____	_____
8.	Containers (excluding compactor) should have "full container" viewing windows	_____	_____	_____
O.	Container Hoist Construction			
1.	Container hoist assembly must be rated to handle 6,000 pound load plus 50% safety factor	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
2.	Container hoist sub frames to be constructed of 3" x 4" x 1/4" rectangular tube A500 grade C material	_____	_____	_____
3.	Hoist parallelogram arm links constructed of 1 1/2" x 3" x 3/16" rectangular tube	_____	_____	_____
4.	Hoist upper parallelogram lift tubes constructed of 3" x 4" x 1/4" wall rectangular tubing A500 grade C	_____	_____	_____
5.	All pivot points to be constructed of a minimum of 2" OD 7/32" wall outer tube with 1 1/2" cold rolled round 1045 steel pin	_____	_____	_____
6.	All hoist pivot points to be equipped with threaded grease zerks	_____	_____	_____
7.	Bottom hoist lift cylinder to be 4 1/2" diameter – two stage – double acting, telescopic with 51" stroke – 1 1/2" pins on both ends	_____	_____	_____
8.	Tilt cylinders on containers larger than 54" wide to be tandem 4" diameter x 12 3/8" stroke. 1 3/4" chrome rod- double acting – 1 1/2" diameter pins – upper scissors assembly to be twin cylinder with full width rectangular tube frame for offset load stability	_____	_____	_____
P.	Trough Drive Mechanism			
1.	Trough hoist assembly must be rated to handle 1,000 pounds	_____	_____	_____
2.	Trough drive arms constructed of 1 1/2" x 3" x 11 gauge rectangular tube with Garlock greaseless bearings 1" round x 1045 pivot shaft	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
3.	Trough cylinders to be 2” diameter x 12 3/8” stroke x 1 3/4” chrome rod – double acting – 1 “ diameter pins	_____	_____	_____
4.	Trough track bearings to be 1 1/2” diameter cam style with sealed needle bearings	_____	_____	_____
5.	Lid positioning links to be constructed of 3/4” pipe with 5/8” – 18 threaded stud each end with sealed ball joint yoke 5/8” diameter pin each end	_____	_____	_____
6.	Trough cylinders and lid positioning links shall be adjustable to give two opening heights to accommodate both trough loading and the ability to handle American style wheeled carts	_____	_____	_____
Q.	Hydraulic Systems			
1.	Container hydraulic system to be power up/power down design	_____	_____	_____
2.	10 G.P.M. at 1,000 RPM transmission mounted Hot Shift PTO, preferably Chelsea or better.	_____	_____	_____
3.	Maximum system pressure not to exceed 2,200 PSI	_____	_____	_____
4.	System reservoir to be a 20-gallon capacity with 100 mesh 15 G.P.M. suction screen and 10 micron line filter	_____	_____	_____
5.	Each container controlled separately by individual solenoid valves for independent container operation	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

		<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
6.	All hose connection to be JIC or o-ring type, pipe thread fittings are unacceptable	_____	_____	_____
7.	SAE 100R2 hoses with a work rating of 4,000 PSI and a minimum burst pressure of 16,000 PSI	_____	_____	_____
8.	Overspeed protection	_____	_____	_____
R.	Electrical System			
1.	All lights on body meet FMVSS requirements	_____	_____	_____
2.	Rear light bar with stop lights, tail lights, turn lights, back-up lights, 3 light cluster and clearance lights	_____	_____	_____
3.	Sealed electric back up alarm on rear light bar, 97 dba	_____	_____	_____
4.	Amber flashing beacon light on top of rearmost bin	_____	_____	_____
5.	Dual automatic reset 10 amp circuit breaker	_____	_____	_____
6.	Wire harness system sealed in a protective loom	_____	_____	_____
S.	Stabilizer Legs			
1.	Body should include front and rear stabilizer legs located on the dumping side of the chassis (driver side)	_____	_____	_____
2.	Stabilizers constructed with shearable pin to eliminate damage to truck frame in the case of chassis movement with legs extended	_____	_____	_____

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

	<u>YES</u>	<u>NO</u>	<u>OFFERED</u>
<p>3. Stabilizer controls located inside the cab; in-cab indicator light located on chassis control panel, which illuminates whenever either leg is not in a fully retracted position; also an alarm should sound constantly whenever either leg is not in a fully retracted position</p>	_____	_____	_____
<p>T. Bidder must provide copy of proof of product liability insurance</p>	_____	_____	_____
<p>U. Warranty – manufacturer to warrant “trough loader” truck mount container to purchaser for a period of one year after delivery</p>	_____	_____	_____
<p>V. Right-hand, stand-up, dual-drive cab conversion with work brake installed on chassis</p>			
<p>1. Dual drive configuration with right-side brake &amp; accelerator controls</p>	_____	_____	_____
<p>2. Right-side turn signal &amp; flasher switch</p>	_____	_____	_____
<p>3. Right-side flip-down seat with seat belt</p>	_____	_____	_____
<p>4. Large padded back rest</p>	_____	_____	_____
<p>5. Bi-fold door with stainless steel hinge</p>	_____	_____	_____
<p>6. Aftermarket gauge package on right side</p>	_____	_____	_____
<p>W. Other General Specifications</p>			
<p>1. Standard equipment not mentioned is to be included.</p>			
<p>2. Successful bidder must be capable of performing own warranty work in his maintenance department.</p>			

CITY OF AUBURN  
AUBURN, ALABAMA  
MINIMUM BID SPECIFICATIONS

Curb Sorter/Trough Loader, Four Container Truck Mount Side Dump Recycling Body

3. Vehicle other than new, unless specified, will not meet specifications.
  4. Include one copy of repair/maintenance manual.
- X. Delivery
1. Unit to be delivered to the following address:  
356 North Donahue Drive  
Auburn, Alabama 36832
  2. Bid price will F.O.B. Auburn and includes title application.
  3. **The city must be sent a copy of the confirmation order within 24 hours after receipt of order.**

