

## Specifications for Truck Equipped with Roll-Off Hoist and Tarp

Aiken County Government is soliciting sealed bids for one (1) truck equipped with roll-off hoist and tarping system in compliance with the minimum bid specifications as outlined below. The vehicle must be a 2016 or 2017 production model with all manufacturers' standard equipment. All equipment furnished under this contract shall be new, unused and the same as manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish a complete unit ready for use, shall be included. This vehicle shall be a current model with a GVW rating of 64,000 lbs. Vendor is to specify estimated delivery date AND Aiken County is requesting a delivery between 45 and 60 days after a purchase order is issued. Manufacturer specifications for the vehicle must accompany bid submittals. Successful bidder/vendor must include and install the roll-off hoist and automatic tarping system.

**Please Mark Yes or No for each specification. \*On those marked No, a brief explanation must be provided.**

|  | Comply |    | *Explanation |
|--|--------|----|--------------|
|  | Yes    | No |              |
| The machine will be used to collect and transport roll-off containers including 20, 30 and 40 cubic yard open top containers and 40 cubic yard closed top compactor containers.  |        |    |              |
| <b>CAB</b>   |        |    |              |
| Cab, conventional steel or aluminum, shall be painted white and clear coat. Vehicle to be equipped with all standard safety equipment as required by Federal Standards and with the vehicle manufacturer's special options (factory installed) as specified in the specifications. |        |    |              |
| Cab with tilting front hood with fenders   |        |    |              |
| Clearance Marker Lights (5) flush mounted  |        |    |              |
| Floor covering rubber, black or gray   |        |    |              |
| Grab handles left and right side   |        |    |              |
| Step (2) two steps per door, self cleaning/skid resistant  |        |    |              |
| Glass all windows tinted   |        |    |              |
| Threshold height from ground maximum 47.5"   |        |    |              |
| Hoist controls mounted between seats, levers turned toward driver  |        |    |              |
| Gauge cluster: Engine oil pressure, water temperature, fuel, tachometer and voltmeter  |        |    |              |
| Odometer display: Miles, trip miles, engine hours, trip hours  |        |    |              |
| Seat Driver: Air suspension, high back with integral headrest, vinyl, seat back adjustment, single chamber air lumbar support.   |        |    |              |
| Seat belt 3 point, lap and shoulder belt types on both sides   |        |    |              |
| Seat Passenger: Non-suspension, high back with integral headrest, vinyl with fixed back  |        |    |              |
| Mirrors: Two (2) rectangular, breakaway type with 102" wide spacing and convex viewing on both sides   |        |    |              |
| Factory air conditioning: With integral heat and defroster   |        |    |              |
| Radio: AM/FM minimum   |        |    |              |
| Cab rear suspension air bag type   |        |    |              |
| Horn – both electric and air horn shall be provided  |        |    |              |

**Comply**

|   | Yes | No | *Explanation |
|---|-----|----|--------------|
| <b>ENGINE</b>   |     |    |              |
| Diesel – six (6) cylinders fully electronic, in line turbo charged, wet sleeve, electronic controlled injectors, 400 HP (minimum) 1150 lb ft torque @ 1100 RPM (minimum), 2100 RPM governed speed. Caterpillar or Cummins model, 400 HP with minimum displacement 11.0 liter.   |     |    |              |
| Dry type engine air cleaner   |     |    |              |
| Engine oil cooler   |     |    |              |
| Water Filter  |     |    |              |
| Coolant hoses premium rubber  |     |    |              |
| Fan clutch: automatic “on/off” fan drive  |     |    |              |
| Single serpentine belt with automatic tensioner   |     |    |              |
| Fuel tank: top-draw, D style, minimum 100 US gal. capacity, mounted left side under cab   |     |    |              |
| Block heater 1250 watt (minimum) with socket receptacle located clearly visible below driver’s door   |     |    |              |
| Heavy-duty radiator must include transmission cooler  |     |    |              |
| Single horizontal muffler located in such a way that it does not interfere with the body builder installations. The pip is to be vertical frame mounted located on the right side and must include a heat shield. A turn back style tailpipe shall be included. Note: the exhaust system support brackets shall not be cab mounted. |     |    |              |
| <b>SPEED</b>  |     |    |              |
| 70 mph max speed at governed engine RPM   |     |    |              |
| Rear axle gear ratio 4.88 (or closest to this)  |     |    |              |
| <b>Transmission:</b>  |     |    |              |
| Allison 4500 R.D.S 6 speed automatic transmission with P.T.O. provisions  |     |    |              |
| <b>AXLE &amp; SUSPENSION</b>  |     |    |              |
| Rear axle minimum 46,000 lb   |     |    |              |
| Rear Suspension Hendrickson 46,000 lb rating  |     |    |              |
| Front axle minimum 18,000 rating (Dana Spicer 1-180 W wide track) or equivalent   |     |    |              |
| Front suspension 18,000 rating  |     |    |              |
| Max Wall to Wall turning radius of 84.5 ft, 40 ft turning radius  |     |    |              |
| <b>Steering:</b>  |     |    |              |
| Power Dual Sheppard M-100/M-80 or equivalent  |     |    |              |
| <b>BRAKES</b>   |     |    |              |
| Air dual system for straight truck applications   |     |    |              |
| Front air cam 16.5 x 6  |     |    |              |
| Dust shields front and rear brakes  |     |    |              |
| Drain valve with pull chain   |     |    |              |
| Air dryer with heater   |     |    |              |
| Rear air cam 16.5 x 7.0 with heavy-duty spring actuated parking brakes and long stroke chambers   |     |    |              |

|   | Comply |    |              |
|---|--------|----|--------------|
|   | Yes    | No | *Explanation |
| Air compressor 15.5 CFM minimum   |        |    |              |
| Engine brake electronically activated (Jacobs brake)  |        |    |              |
| <b>TIRES</b>  |        |    |              |
| Front: Two (2) each, 385 65R 22.5" 18 ply radial  |        |    |              |
| Back: Eight (8) each, 11R 22.5" 14 ply radial   |        |    |              |
| <b>WHEELS</b>   |        |    |              |
| Disc 22.5 painted steel, 10 – stud, hub piloted, flanged nut with steel hubs  |        |    |              |
| Front 12.25 DC Rims   |        |    |              |
| Rear 8.25 DC Rims   |        |    |              |
| Wheel seals, front and rear oil lubricated  |        |    |              |
| Paint identity front and rear wheels white  |        |    |              |
| <b>FRAME</b>  |        |    |              |
| Wheel base (Cab to axle) 192"   |        |    |              |
| Tow hooks front   |        |    |              |
| Reinforcement heat-treated alloy steel (120,000 yield)  |        |    |              |
| Must have clear frame   |        |    |              |
| <b>ELECTRICAL</b>   |        |    |              |
| Batteries triple, frame mounted 2100 cold cranking amps   |        |    |              |
| Minimum 110-amp alternator  |        |    |              |
| All lights and reflectors to meet ICC & DOT specifications  |        |    |              |
| Circuit breakers manual – reset (main panel) SAE Type III with trip indicators, replaces all fuses except for 5-amp fuses |        |    |              |

### OUTSIDE RAIL ROLL-OFF HOIST

| <b>CAPACITY</b>  |  |  |  |
|--|--|--|--|
| 60,000 lbs (minimum) rated lifting capacity                    |  |  |  |
| Galbreath U5-OR-174 or equivalent                              |  |  |  |
| <b>MISCELLANEOUS</b>   |  |  |  |
| Pioneer Rack and Pinion Tarp System, Model RP4500SARG          |  |  |  |
| Must match 192" CA of truck frame                              |  |  |  |
| Must have clear frame rails                                    |  |  |  |
| Air shift PTO with programmed over-speed protection            |  |  |  |
| Direct mount pump  |  |  |  |
| Mid body turn signals – LED                                    |  |  |  |
| Rear bumper with recessed lights – LED                         |  |  |  |
| Clear strobe lights on all four corners with power supply pack |  |  |  |
| Fold up ICC bumper   |  |  |  |
| 48" toolbox  |  |  |  |
| Rear window screen   |  |  |  |
| Mud flaps  |  |  |  |
| Back-up alarm  |  |  |  |

|  | Comply |    |              |
|--|--------|----|--------------|
|  | Yes    | No | *Explanation |
| <b>COLOR</b>   |        |    |              |
| Black  |        |    |              |
| <b>CONTAINER INFORMATION</b>   |        |    |              |
| Various lengths, 18 ft to 22 ft  |        |    |              |
| <b>CYCLE TIME (Maximum)</b>  |        |    |              |
| Hoist up: 30 seconds   |        |    |              |
| Hoist down: 20 seconds   |        |    |              |
| <b>DUMP ANGLE</b>  |        |    |              |
| 48 Degree, minimum   |        |    |              |
| <b>FRAME</b>   |        |    |              |
| 4" x 8" x 1/2" tubing  |        |    |              |
| <b>FRAME RAIL WIDTH</b>  |        |    |              |
| 35 1/2" outside  |        |    |              |
| <b>HYDRAULICS</b>  |        |    |              |
| Controls in cab, mounted between seats to driver's right, levers turned toward driver. A manual set shall be supplied street side adjacent to the driver's door. |        |    |              |
| Pump, Continuous duty gear type with 30 GPM @ 1200 RPM   |        |    |              |
| Maximum operating pressure 2,000 PSI   |        |    |              |
| Cylinders – Two (2) double acting with built in bypass valves  |        |    |              |
| <b>SAFETY EQUIPMENT</b>  |        |    |              |
| Back-up camera with display monitor in cab   |        |    |              |
| <b>STEEL CABLE AND HOOK</b>  |        |    |              |
| Cast steel cable hook to have thickness of not less than 1 3/8" and a weight not to exceed 15 lbs/lf.  |        |    |              |
| <b>USE FOR CONTAINER TYPES</b>   |        |    |              |
| Solid Waste and Recycling materials, open top 20, 30 and 40 yard containers and enclosed 40 yard, compaction type  |        |    |              |
| <b>REAR WHEEL FENDERS</b>  |        |    |              |
| Metal thickness 10 gauge tread plate reinforced for tarp mechanism   |        |    |              |

**Total Bid (excluding sales tax)**      \$ \_\_\_\_\_

**Delivery Fee (if applicable)**      \$ \_\_\_\_\_

**South Carolina sales tax**      \$ \_\_\_\_\_ **\$300.00**

**Grand Total**      \$ \_\_\_\_\_