



City of Tacoma

Environmental Services, Solid Waste Management

ADDENDUM NO. 1

DATE: 11/08/2024

REVISIONS TO:

**Request for Bids Specification No. ES24-0152N
SINGLE AXLE YARD TRACTOR**

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE TECHNICAL REQUIREMENTS:

Replace the technical specification located in Appendix A in its entirety with the one marked as Addendum 1.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. ES24-0152N Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Dawn DeJarlais, Environmental Services, Solid Waste Management

Minimum Specifications Called For:		Check if As specified	Describe if not as specified or include additional information as requested
A. CHASSIS			
1	State manufacturer/model/year bid. Must be at least 2024 or newer model.		
2	This machine is required to move trailers to load and stage for transport. Requires hauling up to 53 foot trailers with a GCW of 100,000 pounds transported up a 15% grade, with a top speed of 20 M.P.H		
3	Wheel base 104" to 116".		
4	Minimum distance from back of cab to center of fifth wheel is 70".		
5	Ground clearance: 10" minimum. 11" preferred.		
B. FRAME			
1	Heavy duty welded steel frame, reinforced for extra strength, capable of hauling up to 100,000 repeatedly.		
2	All steps and walkways complete with non-slip gratings.		
3	Fenders, rear-belted with mud flaps on both sides of rear wheels and rear of front wheels.		
4	Bumper, heavy-duty formed steel channel design, bolted to frame.		
5	Tow hooks, front and rear two each.		
6	Trailer stops, located behind the cab.		
C. CAB			
1	Tall cab style required. Prefer 72" tall, Minimum of 69" tall.		
	State Cab Dimensions:		
2	Cab is to be constructed with a structural steel frame and a welded steel skin. Steel is required for durability and ease of repair.		
3	Prefer dual-sliding with latches on right side. Prefer wing window on both doors. Roll down or Power windows are preferred but sliding is acceptable. Please describe.		
4	Window "behind" driver's door to provide full visibility and eliminate blind spots		
5	Sliding rear door with window.		
6	Cab to be heat and noise insulated, including a floor mat and headliner.		
7	No sun roof.		
8	Windshield to be laminated safety glass. Side and rear glass to be tempered safety glass.		

Minimum Specifications Called For:		Check if As specified	Describe if not as specified or include additional information as requested
C. CAB (Continued)			
9	Windshield and side windows should be clear with no tint. Prefer rear window to be tinted, clear is acceptable.		
10	Fresh air, hot water heater with electric blower and defroster that covers entire windshield. No automatic climate control.		
11	Roof-top mounted air conditioner.		
12	Sun visor inside.		
13	Air Horn.		
14	Backup alarm required, self adjusting type preferred.		
15	Electrical variable speed front windshield wiper with electric windshield washer and intermittent feature.		
16	Driver's seat to be vinyl with arm rest, intermediate back, adjustable (min of 4 way) with air lumbar support. State brand and model of seat. Retractable seat belt. Install a tee in air supply for seat, with a quick coupler, 8' coiled plastic hose with an OSHA approved air nozzle to clean out cab. Heated driver seat preferred.		
17	LED Dome Lamp and fifth wheel Flood Lamp.		
18	The following instruments are to be mounted on dashboard with easy view of operator:		
a	a. speedometer		
b	b. Hour meter		
c	c. Odometer		
d	d. Oil pressure gauge		
e	e. Oil temperature gauge		
f	f. Ammeter or voltmeter gauges		
g	g. Water temperature gauge		
h	h. Fuel level gauge		
i	i. High beam indicator light		
j	J. Tow-turn indicator lights		
k	k. Air pressure gauges		
19	The following controls are to be mounted within easy access of the operator		

Minimum Specifications Called For:		Check if As specified	Describe if not as specified or include additional information as requested
C. CAB (Continued)			
a	a. Hand-operated trailer brake control		
b	b. Gear selector, on right side.		
c	c. Fifth wheel elevation, on right side.		
d	e. Fifth wheel release, on right side.		
e	f. Parking brake, specify type		
f	g. Steering wheel, titt options preferable		
g	h. Heater fan and temperature controls. No automatic climate control.		
h	i. Windshield wiper and washer.		
i	J. Headlight and gauge illumination.		
j	k. LED Fifth wheel flood lamp and dome light. With separate control switches.		
k	l. Column mounted turn signal.		
l	m. Key or Fob with push to start options are acceptable. Must provide 3 fobs or keys at delivery.		
m	n. P.T.O. Switch, if applicable.		
n	o. Throttle kicker, if applicable (for use with P.T.O.) Electronic engine throttle control outside rear of cab. Disable switch inside of cab with neutral safety. Must include throttle limiter.		
20	Two (2) 12 volt accessory ports in cab, USB A or USB C ports preferred.		
21	The following warning devices shall be installed:		
	a. low air pressure buzzer.		
	b. High water temperature warning light and/or buzzer.		
	c. High torque converter temperature warning light.		
	d. Low oil pressure warning light.		
	e. Fifth wheel jaw lock warning light.		
22	Boarding assist grab handle on left side.		
23	Side step, legal width, left side.		
	State height of all steps:		
24	One ABC-type fire extinguisher, mounted outside of vehicle, five pounds.		
25	Dual west coast-type heated mirrors, 6"x16:, minimum sized, stainless steel hardware, mounts and arms. Motorized adjusting mirror both sides. Mirrors should be mounted at the same height on both sides.		
26	Radio AM/FM/without CD, Bluetooth capable, WB, USB and MP3 with two premium speakers.		

Minimum Specifications Called For:		Check if As specified	Describe if not as specified or include additional information as requested
C. CAB (Continued)			
27	CB Radio.		
28	Cab tilt, minimum 45 degree, hydraulic. Rubber cushioned cab pivots, automatic dual safety type cab latching with hydraulic release and lube fittings.		
29	Air Ride - Air spring insulated cab or equal. Describe system.		
30	Cup holder (optional)		
D. ENGINE			
1	Must meet current EPA emission standards and have a rated horsepower to be compatible with transmission and differential to accomplish load requirements. Cummins 6.7L or equivalent. State Manufacture, make and size bid.		
2	Single exhaust with appropriately sized muffler and vertical stack with curved end. Must be compliant with current EPA emissions standards. Specify exhaust levels of pollutants. Full perforated muffler shield mounted on right side preferred.		
3	Full flow-type oil filter with spin-on replaceable element.		
4	Dry type air filter with replaceable element		
5	Double-element full flow fuel filter system with replaceable elements and fuel water separator.		
6	Engine must be compatible with R99 renewable diesel		
E. TRANSMISSION			
1	Must be Allison 3500 series or equivalent. Must have neutral start to enable GCW of 100,000 pounds starting out on a grade of 15%. Reverse speed must be adequate for normal operation.		
2	Transmission oil cooler.		
3	Full flow integral screen type filter with replaceable element.		
4	Automatic back-up switch to activate back-up alarm and LED back-up lights.		
F. DRIVE SHAFT			
1	State manufacturer and model		
G. FRONT AXLE AND SUSPENSION			
1	Meritor FF961 12,000 pound minimum or equivalent		
2	Springs, semi-elliptic leaf, 12,000 pound minimum.		
3	Stemco oil seals or equal.		

Minimum Specifications Called For:		Check if as specified	Describe if not as specified or include additional information as requested
H. REAR AXLE AND SUSPENSION			
1	Planetary, rigid suspension.		
2	Eaton 30-590 (equivalent or better) with 42,000 lbs. terminal rating. 10.90.1 gear ratio (or comparable), rated for 100,000 GCW at 15% grade.		
I. STEERING			
1	Hydrostatic power steering.		
2	Turning loaded unit shall be accomplished without undue effort.		
	State Steering wheel size:		
J. BRAKES			
1	Front brakes minimum 15"x4" S cam, air.		
2	Rear brakes minimum 16"x7" S cam, air.		
3	Brake linings, asbestos free.		
4	Spring loaded parking brakes on rear axle, air release.		
5	Emergency brake shall be automatic application of parking brake.		
6	Compressor, minimum 18.7 CFM, water cooled Bendix/Westinghouse, or equal.		
7	Bendix AD-IP air dryer with heater or equal, be mounted between compressor and first tank.		
8	Two-tank reservoir system, with Bendix DV2, or equivalent, automatic moisture ejectors and manual drains, operator accessible.		
9	Color-coded air lines.		
10	Non-corrosive air and brake system valves and fittings.		
K. TRAILER			
1	Trailer brake system with Bendix/Westinghouse hand control or equal. Option for air and hydraulic break-away.		
2	Two color-coded coiled air lines with glad-hand receivers.		
3	Seven-wire coiled trailer light cable with plug.		
L. WHEELS AND TIRES			
1	Front tires, 11R22.5, Load Range H, tubeless. Prefer Bridgestone M863 Highway tread or comparable tread pattern		
2	Rear Tires, 315/80R22.5 Load range L. Duals, tubeless. Prefer Bridgestone M860A or comparable tread pattern.		

Minimum Specifications Called For:		Check if as specified	Describe if not as specified or include additional information as requested
M. FUEL TANK			
1	Tank to be 50-gallon, steel safety-type.		
N. COOLING SYSTEM			
1	Radiator to be bracketed to chassis and mounted on rubber shock pads.		
2	Prefer serpentine or fin-and tube-type radiator, core thickness 4 7/16", 5 rows of 3/4" tubes and a minimum of seven fins per inch. Or equivalent performing radiator.		
3	Self-cleaning cooling system. Variable pitch fan, six blade with shroud, Flexair or equal.		
4	All radiator and heater hoses are to be Gates, minimum 4 ply, silicone rubber or equivalent.		
O. ELECTRICAL SYSTEM			
1	LED beacon (Amber) safety lamp, or equivalent, mounted on top of cab. Two white LED beacon light, or equivalent, mounted on outboard ends of front bumper		
2	All lights installed to conform to the State of Washington requirements for this class of vehicle, including ICC lights and side marker lights.		
3	Parking lamps, stop & turn indicator lamps, working area floodlight, rear tail and backup lamps to be LED.		
4	All wiring to be color coded in separate removable harnesses to key system segments.		
5	Tail and marker lights to black wire, reverse to brown, and terminal block upstream.		
6	Alternator, minimum 100-amp, with integral transistorized regulator.		
7	12-volt system with positive engagement starter and two (2) 30H 12 volt batteries minimum 1150 CCA each.		
8	Small circulating fan, mounted next to windshield in cab.		
9	Battery disconnect & jumper terminals.		
P. PAINT			
1	Cab, painted white.		
2	Frame and wheels, black, painted or powder coated.		

Minimum Specifications Called For:		Check if as specified	Describe if not as specified or include additional information as requested
Q. FIFTH WHEEL AND BOOM ASSEMBLY			
1	Fifth wheel rigid mounted to lift boom.		
2	36" diameter Holland fifth wheel for 2" diameter king pins.		
3	Cab controlled air unlatch and automatic re-latch locking		
4	Heavy duty 5" dual hydraulic lift cylinders, double-acting, with self-aligning replaceable cylinder bushings		
5	Heavy duty 5" wheel boom pivot bushings, self-aligning and greaseable.		
6	Lifting height of 16"		
7	Lifting capacity minimum 80,000 pounds		
8	Cycle time for raising the fifth wheel to full extension without a load should be 4.5 seconds or less. Time to lower should be 5.3 seconds or less.		
R. HYDRAULIC WET-KIT SYSTEM			
1	Unit will have hydraulic components to operate fifth-wheel lift and walking floor transfer trailers.		
2	P.T.O designed to accommodate hydraulic pump. Electrically-controlled PTO from inside cab by switch with overspeed PTO protection device.		
3	Hydraulic pump, gear driven, appropriately sized to move trailer walking floor with 2 inch/four bolt suction port. Output up to 50gpm. <u>State engine RPM and how it is accomplished.</u>		
4	System will have a minimum 50-gallon reservoir with sight and temperature gauge.		
5	A Gresen Relief, used to protect the pump, installed between pump and selector valve.		
6	Hydraulic control inside cab to switch from fifth wheel to trailer floor operation to be air operated with switch in cab.		
7	1" pressure line and return line with pressure gauge mounted outside of the cab. Exact location to be determined.		

Minimum Specifications Called For:		Check if as specified	Describe if not as specified or include additional information as requested
S. SAFETY			
1	Furnish and install in cab, five lbs. ABC fire extinguisher.		
2	Furnish and install triangle reflector kit with storage box in cab.		
3	Furnish and install a fixed db backup alarm at rear of frame.		
4	Furnish and install a DOT required first aid kit in cab.		
T. MANUALS - One complete set of manuals for total order			
1	Operator's Manual. Giving full and complete information and instruction on operation of the vehicle. Prefer digital.		
2	Factory Brochures with images, diagrams and options. Prefer digital.		
3	Service Manual. Giving detailed instructions for the maintenance and repair/major overhaul of all components of the vehicle, including electrical and pneumatic diagrams (schematics and actual) with proper identification in the relationship to the "as built" condition of the vehicle, including preventative maintenance schedules and procedures for components subject to heavy wear. Prefer digital.		
4	Parts List. To identify all vehicle components, including all purchased items. This identification shall be by nomenclature and description exploded view drawing related to the vehicle manufacturer's part number. A cross-referenced chart indicating the O.E.M part number or in case of standard available items, the size, type, style, etc. to be furnished. Prefer digital.		
U. WARRANTY			
1	State Warranty (not less than one (1) year from the date of final acceptance by the City)		
2	Warranty certificate and documentation.		
V. OPTIONS			
1	Air ride, air insulated mounted cab.		
2	Rear axle suspension.		
3	Digital catalog for parts, if available		
4	Digital maintenance manual for chassis, if available.		
5	Digital maintenance manual for body, if available.		
6	Prefer option for second brake pedal on left side of steering column.		

Minimum Specifications Called For:		Check if as specified	Describe if not as specified or include additional information as requested
X. DELIVERY REQUIREMENTS			
1	Delivery receipt and invoice.		
2	Pre-delivery inspection report.		
3	Manufacturer's Statement of Origin (MSO)		
4	State of Washington Vehicle Title Application		