

Fremont County Solid Waste Disposal District  
**Bid Specifications for:**  
**New Tandem Axle Semi-Tractor - Model year 2021**  
*Revision Date: 10/8/2020*

**SEMI-TRACTOR SPECIFICATIONS**

The Fremont County Solid Waste Disposal District is now seeking bids for a new semi-tractor. Listed below are minimum specifications that must be met for consideration. If a specification cannot be met, the proposing party shall provide in an attached narrative section why the section cannot be met, and include a proposed alternative.

The deadline for submitting bids is **November 5, 2020, at 10:00 a.m.** Sealed bids must be received, accompanied by bid security in the amount of 5% of the total bid in the form of a cashier's check, bid bond, or irrevocable letter of credit, at the Fremont County Solid Waste Disposal District office by the due date and time. Bids received after the deadline will not be accepted. Sealed bids will be opened publically at **10:05 a.m. on November 5, 2020**. Submit bids to: Fremont County Solid Waste Disposal District / Attn: Semi-Tractor Bid / 52 Beebee Road / P.O. Box 1400 / Lander, Wyoming 82520. The bid award is anticipated to take place at the **November 16, 2020**, District Board meeting.

Bids will be valid for a period of 45-days after opening. The District reserves the right to reject any or all bids, including without limitation, non-conforming, non-responsive, unbalanced, or conditional bids. The District further reserves the right to reject any bid whom it finds not responsible, or if believed to not be in the best interest of the District.

The Fremont County Solid Waste Disposal District prohibits discrimination against its customers, employees, and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, family or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

**Delivery:** The equipment shall be constructed, delivered, and fully functional by the date provided in the bid. If this timeline is not met, the supplier will be required to compensate the District \$300 per calendar day beyond the delivery date until the truck is delivered and fully functional.

**Bid Price:** The bid price shall include all freight, taxes, and other costs associated with the construction and delivery of the equipment to the Fremont County Solid Waste Disposal District / 52 Beebee Road / P.O. Box 1400 / Lander, Wyoming 82520.

Please direct all questions to Andrew Frey, the Superintendent of Operations at (307) 332-7040.

## INTENT

This specification describes a day cab tractor including wet kit with the following minimum specifications necessary to perform the work assigned. The tractor shall be capable of transporting (1.) a waste handling walking floor trailer from solid waste handling sites to a landfill, (2.) a side-dump trailer with a tarper system, and (3.) a drop-deck low-boy trailer.

## GENERAL VEHICLE CONFIGURATION

- Y\_\_\_ N\_\_\_ Set back front axle configuration
- Y\_\_\_ N\_\_\_ 2021 Model year or newer.
- Y\_\_\_ N\_\_\_ Left Hand Primary steering location

## ENGINE AND ENGINE EQUIPMENT

- Y\_\_\_ N\_\_\_ Minimum 565hp @ 1950 RPM, 1850 ft-lb @ 1150 RPM
- Y\_\_\_ N\_\_\_ 2019 Onboard Diagnostics
- Y\_\_\_ N\_\_\_ GHG17 Final Emission Certification
- Y\_\_\_ N\_\_\_ Dual Side of Hood Air Intake
- Y\_\_\_ N\_\_\_ High Capacity Air Filter
- Y\_\_\_ N\_\_\_ Dual Passive Pre-cleaners
- Y\_\_\_ N\_\_\_ 160 Amp Alternator
- Y\_\_\_ N\_\_\_ Three group 31 heavy duty maintenance free stud batteries, 3000 CCA min.
- Y\_\_\_ N\_\_\_ Frame Mounted Battery Box – Left Hand Under Cab
- Y\_\_\_ N\_\_\_ Diamond Plate Battery Box Cover
- Y\_\_\_ N\_\_\_ Master Battery disconnect Switch Left Hand of driver's seat
- Y\_\_\_ N\_\_\_ 18.7 CFM air compressor
- Y\_\_\_ N\_\_\_ Engine Brake
- Y\_\_\_ N\_\_\_ Right Hand Under step mounted after-treatment system
- Y\_\_\_ N\_\_\_ Right Hand B-pillar mounted vertical exhaust tailpipe
- Y\_\_\_ N\_\_\_ Minimum 10 gallon DEF tank – Left Hand side of vehicle
- Y\_\_\_ N\_\_\_ Diamond Plate DEF tank cover
- Y\_\_\_ N\_\_\_ Air Actuated Fan Clutch with Dash switch
- Y\_\_\_ N\_\_\_ 1700 Square inch brass/copperradiator
- Y\_\_\_ N\_\_\_ 1500 Watt Engine coolant heater, 115 volt

## ELECTRONIC CONTROLS

- Y\_\_\_ N\_\_\_ Cruise/ Throttle Control
- Y\_\_\_ N\_\_\_ Engine Shutdown Protection System
- Y\_\_\_ N\_\_\_ Dash Mounted Regeneration Request Switch
- Y\_\_\_ N\_\_\_ Regeneration In PTO Mode Enabled
- Y\_\_\_ N\_\_\_ Regeneration Inhibit Speed Threshold 5 MPH

## TRANSMISSION AND TRANSMISSION EQUIPMENT

- Y\_\_\_ N\_\_\_ Allison 4000 RDS 6 speed Electronic Automatic Transmission
- Y\_\_\_ N\_\_\_ Dash Mounted Push Button Gear Selector
- Y\_\_\_ N\_\_\_ Electronic Transmission Oil Level Check
- Y\_\_\_ N\_\_\_ PTO Provision with Auto Turn-Off at speeds over 5 mph
- Y\_\_\_ N\_\_\_ Oil To Water Transmission Cooler
- Y\_\_\_ N\_\_\_ Synthetic Transmission Fluid
- Y\_\_\_ N\_\_\_ Electric Trans Access Connector, Firewall Mounted

## AXLE EQUIPMENT

- Y\_\_\_ N\_\_\_ Air Brake Package, With ABS, (4S/4M) with Traction Control & Traction Control Over-ride
- Y\_\_\_ N\_\_\_ Frame Mounted Heated Air Dryer
- Y\_\_\_ N\_\_\_ 14,600 pound Taper-leaf Front Suspension
- Y\_\_\_ N\_\_\_ Front Shock Absorbers
- Y\_\_\_ N\_\_\_ Power Steering
- Y\_\_\_ N\_\_\_ Oil Filled Hubs With Window
- Y\_\_\_ N\_\_\_ 16.5x5 Q+ Cam Front Brakes, 16.5x8.62 Q+ Cam Rear Brakes
- Y\_\_\_ N\_\_\_ Front And Rear Dust Covers
- Y\_\_\_ N\_\_\_ 46,000 pound Rear Axle, 46,000 pound Air Ride Rear Suspension, With Dual Wheels
- Y\_\_\_ N\_\_\_ 55-inch rear axle spacing
- Y\_\_\_ N\_\_\_ Manual dump valve for air suspension with gauge
- Y\_\_\_ N\_\_\_ Shock absorbers on both rear axles
- Y\_\_\_ N\_\_\_ Indicator light with buzzer for air suspension dumped mode
- Y\_\_\_ N\_\_\_ Driver controlled traction differentials – both axles
- Y\_\_\_ N\_\_\_ Indicator lights for inter-axle lock, front diff lock & rear diff lock
- Y\_\_\_ N\_\_\_ Automatic Slack Adjusters Front And Rear
- Y\_\_\_ N\_\_\_ Synthetic lube in front and rear axles
- Y\_\_\_ N\_\_\_ Axle Ratio Determined by the District with Awarded Vendor Post Bid Award
- Y\_\_\_ N\_\_\_ Michelin 11R24.5 – 16pr Tires, highway tread steer, M/S drive
- Y\_\_\_ N\_\_\_ 24.5x8.25 10-hub pilot, aluminum wheels
- Y\_\_\_ N\_\_\_ Pre-set bearing aluminum hubs front and rear
- Y\_\_\_ N\_\_\_ Roll Stability Control

## TRAILER CONNECTIONS INCLUDING WET KIT

- Y\_\_\_ N\_\_\_ 16-ft straight electrical and air hose back of cab
- Y\_\_\_ N\_\_\_ 50-inch flexible pogo stick
- Y\_\_\_ N\_\_\_ PTO installed on LH port of Allison transmission with output 124% of engine speed
- Y\_\_\_ N\_\_\_ Wet kit gear pump with 25-30 gpm capacity
- Y\_\_\_ N\_\_\_ 50 gallon hydraulic tank mounted centered back of cab, above frame
- Y\_\_\_ N\_\_\_ Locking shut off valve on 2-inch (min.) spiral wire suction line out of hydraulic tank (connected at the tank)
- Y\_\_\_ N\_\_\_ Locking shut off valve on 1-1/4-inch return line to hydraulic tank
- Y\_\_\_ N\_\_\_ Double element filter with 10-30 micron filters
- Y\_\_\_ N\_\_\_ Pressure line to trailer shall be 1-inch minimum with quick coupler to match the District's existing trailers
- Y\_\_\_ N\_\_\_ Return line from trailer to tractor shall be 1-inch minimum with quick coupler to match the District's existing trailers
- Y\_\_\_ N\_\_\_ Wet kit shall have pressure relief valve set to minimum of 2500 psi and maximum of 3000 psi with minimum 3/4-inch hose to return to tank

## FRAME AND CHASSIS EQUIPMENT

- Y\_\_\_ N\_\_\_ 230-inch wheelbase minimum
- Y\_\_\_ N\_\_\_ 120K psi steel frame, minimum SM 17.79, minimum RBM 2,135,500
- Y\_\_\_ N\_\_\_ 57-inch rear overhang with tapered end of frame
- Y\_\_\_ N\_\_\_ 53-inch deck plate flush mounted between rails back of cab with trailer access package
- Y\_\_\_ N\_\_\_ 14-inch Chromed Steel bumper, 1/4-inch thick with Center Step Cutout
- Y\_\_\_ N\_\_\_ Removable tow hooks stored on chassis frame or center tow pin
- Y\_\_\_ N\_\_\_ Rear axle mud flaps
- Y\_\_\_ N\_\_\_ Front axle mud flaps and hood mounted splash shields
- Y\_\_\_ N\_\_\_ Stainless Steel Quarter fenders on front drive axle
- Y\_\_\_ N\_\_\_ JOST 24-inch air slide fifth wheel – infinitely adjustable latch
- Y\_\_\_ N\_\_\_ 2-inch slide increments on fifth wheel
- Y\_\_\_ N\_\_\_ 7.75-inch fifth wheel leg height minimum
- Y\_\_\_ N\_\_\_ Left Hand fifth wheel release
- Y\_\_\_ N\_\_\_ Dash mounted control valve and plumbing for fifth wheel
- Y\_\_\_ N\_\_\_ Dual fuel tanks with minimum 180-gallon capacity
- Y\_\_\_ N\_\_\_ Fuel tanks mounted back of cab
- Y\_\_\_ N\_\_\_ Heated fuel/water separator
- Y\_\_\_ N\_\_\_ Equi-flow fuel system with Right Hand & Left Hand tank shut off valves
- Y\_\_\_ N\_\_\_ Aluminum headache rack with chain and binder hooks, full width chain tray, and jailbar window

## CAB

- Y\_\_\_ N\_\_\_ Galvanized steel or aluminum conventional cab, white in color
- Y\_\_\_ N\_\_\_ Air-ride cab with check valve - severe duty
- Y\_\_\_ N\_\_\_ Fiberglass hood with reinforced fenders
- Y\_\_\_ N\_\_\_ Left Hand and Right Hand Mount Grab Handles
- Y\_\_\_ N\_\_\_ Stainless Steel or Aluminum Grill

- Y\_\_\_ N\_\_\_ Single roof mounted polished air horn
- Y\_\_\_ N\_\_\_ LED marker lights
- Y\_\_\_ N\_\_\_ Daytime running lights
- Y\_\_\_ N\_\_\_ LED Stop/Tail/Turn lights
- Y\_\_\_ N\_\_\_ Dual Heated Stainless Steel West Coast Mirrors w/ Right Hand remote
- Y\_\_\_ N\_\_\_ 102-inch Mirror width
- Y\_\_\_ N\_\_\_ 8-inch Convex mirror below primary mirrors, both sides
- Y\_\_\_ N\_\_\_ Diamond plate cover on after-treatment system
- Y\_\_\_ N\_\_\_ Exterior sun visor
- Y\_\_\_ N\_\_\_ Tinted windshield, door windows, and rear window
- Y\_\_\_ N\_\_\_ Right Hand & Left Hand Electric Windows
- Y\_\_\_ N\_\_\_ Winter-front for grille
- Y\_\_\_ N\_\_\_ Gray vinyl interior
- Y\_\_\_ N\_\_\_ Additional seal package on both doors
- Y\_\_\_ N\_\_\_ Black floor mats with premium insulation and noise abatement
- Y\_\_\_ N\_\_\_ Cab cup holders
- Y\_\_\_ N\_\_\_ Factory heater, defroster, & air conditioning
- Y\_\_\_ N\_\_\_ HVAC fresh air cab filter
- Y\_\_\_ N\_\_\_ Extreme climate cab insulation package
- Y\_\_\_ N\_\_\_ Automatic self-reset circuit breakers
- Y\_\_\_ N\_\_\_ Door activated dome lights overhead
- Y\_\_\_ N\_\_\_ Courtesy lights in each door
- Y\_\_\_ N\_\_\_ Upper rear of cab dome light
- Y\_\_\_ N\_\_\_ Two 12v power receptacles in dash
- Y\_\_\_ N\_\_\_ High back air suspension driver's seat with air lumbar and rear cushion tilt
- Y\_\_\_ N\_\_\_ High back non suspension passenger seat
- Y\_\_\_ N\_\_\_ Dual arm rests on driver's seat, no arm rests on passenger seat
- Y\_\_\_ N\_\_\_ Matching driver and passenger seats shall be cloth with matching aftermarket cloth seat covers
- Y\_\_\_ N\_\_\_ Tilt & telescopic steering column
- Y\_\_\_ N\_\_\_ LED factory installed roof mounted or headache mounted - dual beacons

## **INSTRUMENTS AND CONTROLS**

- Y\_\_\_ N\_\_\_ Primary & Secondary air pressure gauges
- Y\_\_\_ N\_\_\_ Back-up alarm
- Y\_\_\_ N\_\_\_ Fuel gauge
- Y\_\_\_ N\_\_\_ Dual rear axle temp gauges with sensor shields
- Y\_\_\_ N\_\_\_ Coolant gauge
- Y\_\_\_ N\_\_\_ Engine oil temp gauge
- Y\_\_\_ N\_\_\_ Transmission oil temp gauge
- Y\_\_\_ N\_\_\_ Exterior temperature display
- Y\_\_\_ N\_\_\_ Engine hour meter

- Y\_\_\_ N\_\_\_ OEM chassis installed PTO switch with indicator light and deactivation at 5 mph
- Y\_\_\_ N\_\_\_ Engine oil pressure gauge
- Y\_\_\_ N\_\_\_ Engine Tachometer
- Y\_\_\_ N\_\_\_ Speedometer
- Y\_\_\_ N\_\_\_ Turbo air pressure gauge
- Y\_\_\_ N\_\_\_ Voltmeter gauge
- Y\_\_\_ N\_\_\_ AM/FM radio with front auxiliary input
- Y\_\_\_ N\_\_\_ AM/FM antenna
- Y\_\_\_ N\_\_\_ Trailer hand brake control
- Y\_\_\_ N\_\_\_ Electric windshield wipers with delay
- Y\_\_\_ N\_\_\_ Ignition Controlled & Factory Installed: Tag Axle Switch with Indicator Light
- Y\_\_\_ N\_\_\_ Ignition Controlled & Factory Installed: Trailer Tarper Switch with Indicator Light
- Y\_\_\_ N\_\_\_ Ignition Controlled & Factory Installed: Side-Dump Trailer Tilt Switch with Indicator Light
- Y\_\_\_ N\_\_\_ x3 (three) Ignition Controlled & Factory Installed: Spare Switch with Indicator Light

#### **WARRANTY AND OTHER CONSIDERATIONS**

- Y\_\_\_ N\_\_\_ Warranty: Extended Engine Warranty, including fuel injectors and turbo, with 7-year, 250,000 mile coverage.
- Y\_\_\_ N\_\_\_ Warranty: Extended After-Treatment Warranty, 7-year, 300,000 mile warranty.
- Y\_\_\_ N\_\_\_ Warranty: Towing Extended Warranty, 5-year, 300,000 miles.
- Y\_\_\_ N\_\_\_ Warranty: Transmission Extended Warranty, 5-year, unlimited miles
- Y\_\_\_ N\_\_\_ Warranty: Axle Extended Warranty, 5-year, 300,000 miles
- Y\_\_\_ N\_\_\_ Warranty: Chassis Extended Warranty, 5-year, 300,000 miles
- Y\_\_\_ N\_\_\_ Selling dealer to provide a certified operator trainer to FCSWDD at a time established by the District and at a second time during the warranty period for safety / refresher training of the machine at no cost to FCSWDD.
- Y\_\_\_ N\_\_\_ Selling dealer to provide one electronic copy of full parts manual, operators manual, and service manuals

**BIDDERS IDENTIFICATION:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DETAILS:**

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Year: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

Bid Price: \$ \_\_\_\_\_

Initial Driver Training Date Options: \_\_\_\_\_

Warranty Details: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Authorized Warranty and Service Locations** (provide the name of the nearest authorized warranty provider and/or authorized service provider, the town/city they are located, and their contact information):

(1.) Engine and Engine Components: \_\_\_\_\_  
\_\_\_\_\_

(2.) Electronic Controls: \_\_\_\_\_  
\_\_\_\_\_

(3.) Transmission and Transmission Equipment: \_\_\_\_\_  
\_\_\_\_\_

(4.) Axle and Axle Equipment: \_\_\_\_\_  
\_\_\_\_\_

(5.) Trailer Connections Including Wet Kit: \_\_\_\_\_  
\_\_\_\_\_

(6.) Frame and Chassis Equipment: \_\_\_\_\_  
\_\_\_\_\_

(7.) Cab: \_\_\_\_\_  
\_\_\_\_\_

(8.) Instruments and Controls: \_\_\_\_\_  
\_\_\_\_\_