



## PURCHASING DEPARTMENT

Madison County Board of Supervisors  
146 West Center Street / Post Office Box 608  
Canton, MS 39046  
Office (601)-855-5534 ~ Fax (601) 859-5875

February 17, 2026

To: Board of Supervisors  
From: Kesha Jackson, Purchasing Clerk *KJ*  
Subject: Award Compact Track Loader – Road Department

Attached are copies of the results of the recent reverse auction for Compact Track Loader.

I recommend that the Board take the following actions:

1. Acknowledge bids received,
2. Award Compact Track Loader to Puckett Rentals as lowest and best bidder

Thank you in advance for your consideration of the above recommendations.

# Compact Track Loader

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pm

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Search:

ID	Name	Phone	Email	Company Name	Date Submitted	Bid Amount	View Bid
3470	J Ross	(601) 624-1692	john.ross@puckettrents.com	Puckett Rents	12-23-2025 10:19:25 am	\$100,001.00	
3475	J Ross	(601) 624-1692	john.ross@puckettrents.com	Puckett Rents	12-23-2025 10:59:59 am	\$96,000.00	

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# Compact Track Loader

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Current Time: 12-18-2025 10:23:34  
am

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Search:

ID	Name	Phone	Email	Company Name	Date Submitted	Bid Amount	View Bid
3463	JOHN ROSS	(601) 624-1692	JOHN.ROSS@PUCKETTRENTS.COM	PUCKETT RENTS	12-17-2025 07:29:27 am	\$0.00	<a href="#">View Bid</a>
3464	Nicholas Padget	(601) 813-3959	service@rentmeilc.com	Rent Me I LLC	12-18-2025 09:17:38 am	\$0.00	<a href="#">View Bid</a>
3467	GEORGE DAVE RANGLIN	(954) 518-4339	dray@northrockusa.com	NORTHROCK ENTERPRISES LLC	12-18-2025 09:40:20 am	\$0.00	<a href="#">View Bid</a>
3468	Brian Carroll	(601) 218-4690	Brian.carroll@striblingequipment.com	Stribling Equipment	12-18-2025 09:49:44 am	\$0.00	<a href="#">View Bid</a>

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**Madison County Board of Supervisors**  
**Bid Specifications For**  
**New Model Compact Track Loader**

Complete by Checking the Following  
IF NOT COMPLIANT, state Specifically the item being offered

**BID SPECIFICATION FOR COMPACT TRACK LOADER**

**BASIC SPECIFICATIONS**

Y X N \_\_\_\_\_ Net Power using SAE J1349 shall be at least 110 hp (82 kW).  
Y X N \_\_\_\_\_ Gross power using SAE J1995 shall be at least 111 hp (82kW).  
Y X N \_\_\_\_\_ Operating weight shall be 12,401 lb (5625kg) when equipped with 15.7 in (400mm) tracks.  
Y X N \_\_\_\_\_ Machine shall have a maximum length of 152.8 in (3880 mm) with bucket on ground while the length without a bucket is 128.0 in (3250 mm).  
Y X N \_\_\_\_\_ Machine width shall be 75.8 in (1926 mm) when equipped with 15.7 in (400 mm) tracks.  
Y X N \_\_\_\_\_ Machine height at the top of the cab shall be 87.8 in (2230 mm).

**ENGINE**

Y X N \_\_\_\_\_ Engine shall be a 3.6L, Turbocharged and Aftercooled Diesel Engine, meeting Tier 4 Final (Stage V) Emissions Standards  
Y X N \_\_\_\_\_ The Engine emissions solution shall incorporate the latest Tier 4 Final emissions technology which captures particulate matter by utilizing a wall flow filter design.  
Y X N \_\_\_\_\_ Engine shall be direct fuel injected, turbocharged, liquid cooled and shall have four cylinder  
Y X N \_\_\_\_\_ Engine shall have a total displacement of not less than 221.0 in<sup>3</sup> (3.6L).  
Y X N \_\_\_\_\_ Engine shall deliver peak torque of at least 370 lbf·ft (501 Nm) per SAE J1995.  
Y X N \_\_\_\_\_ The engine shall be equipped with an alternator that has a charging capacity of at least 100 amperes.  
Y X N \_\_\_\_\_ Glow plugs shall be provided for improved starting in cold weather.  
Y X N \_\_\_\_\_ Air filtration shall be accomplished via a radial seal air cleaner with a secondary backup, as well as a convenient in-cab air flow restriction indicator. The air intake system shall be designed to accept an external pre-cleaner.  
Y X N \_\_\_\_\_ The machine shall not have any cooling cores or condenser mounted or stacked on top or below the radiator, restricting cooling capability.  
Y X N \_\_\_\_\_ The engine and hydraulic oil coolers shall have an ambient temperature cooling capacity of 109 degrees F (43 degrees C)  
Y X N \_\_\_\_\_ The cooling system shall pull air in from the rear of the machine and exhausted through the top of the cooling package, directing it away from the operator and site bystanders.

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N \_\_\_\_\_

The cooling fan shall not be belt driven, but should be powered by a hydraulic motor that is demand driven (activated by an electrical solenoid) based on climate and heat loads. When fan is active it must maintain constant airflow and fan speed, even under a load that would cause the engine to lug.

N \_\_\_\_\_

Reversing Fan must be available to assist in removing material from the rear door intake screen. Must provide both automatic and manual purge modes.

N \_\_\_\_\_

The machine shall have an electronic torque management system that automatically strokes the hystat pump to reduce the chance of stalling the engine during lugging.

N \_\_\_\_\_

There shall be no more than two belts driven off the engine.

N \_\_\_\_\_

The machine shall have braided, color-coded and numbered wiring harness for easy diagnostics.

N \_\_\_\_\_

The machine shall have sealed pin connectors to prevent dirt and moisture infiltration. The machine shall be equipped with a battery that has at least 12 volts and 1000 CCA for cold start capabilities in 32 degrees F (0 degrees C) climate.

N \_\_\_\_\_

Battery Disconnect switch (master switch) must be available with lockout feature which will provide a basic level of machine security and prevent battery drain during periods of inactivity.

N \_\_\_\_\_

The machine shall be equipped with a water-in-fuel sensor and in cab indicator.

N \_\_\_\_\_

Exhaust flow and cooling package airflow should be mixed to reduce temperature of exhaust gases leaving the exhaust stack.

N \_\_\_\_\_

Machine shall be equipped with an Auto Idle feature which will decrease the engine RPM to low idle after a period of inactivity.

#### POWERTRAIN/TRANSMISSION

N \_\_\_\_\_

Two hydrostatic axial piston drive pumps shall be splined directly to the engine via a flexible coupling for maximum efficiency, reliability and serviceability and shall power the final drive motors, driving the tracks.

N \_\_\_\_\_

Hydrostatic drive pumps shall be contained in a mono-block housing for maximum reliability and durability.

N \_\_\_\_\_

The drive system shall be of an external positive drive with steel on steel contact of tooth and sprocket engagement.

N \_\_\_\_\_

The drive motors are machine mounted with no exposed drive hoses on the exterior of the machine.

N \_\_\_\_\_

Hand throttle and foot throttle shall both be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed and the foot

N \_\_\_\_\_

throttle shall allow the operator to vary engine speed and minimize fuel consumption. Electronic hand throttle (dial) shall be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed when desired.

N \_\_\_\_\_

Hand throttle (dial) will have capability to provide 'decel' functionality when hand throttle (dial) is placed in the High Idle position.

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N

Electronic foot throttle shall be provided to allow the operator to match engine speed to a task. The foot throttle shall allow the operator to vary engine speed and minimize fuel consumption.

The machine will have the capability to electronically smooth foot throttle control while operating over rough ground.

An electronic torque management feature shall allow maximum power to the tracks while minimizing engine stalling.

Maximum forward and reverse travel speed 1 shall be at least 5.2 mph (8.4 kph).

Maximum forward and reverse travel speed 2 shall be at least 7.8 mph (12.5 kph).

Must have planetary gear reduction final drive.

2 Speed must be standard.

N  
  N  
  N  
  N  
  N

#### STEERING

N

The machine shall be equipped with a single, electrically operated joystick that controls the forward/reverse and steering directions.

Machine must be equipped with a selectable pattern control changer to operate in either "ISO" Pattern or "H" Pattern.

Full turning radius from center/coupler without a bucket shall be no greater than 60.3 in (1531mm) Initial \_\_\_\_\_ Date \_\_\_\_\_

#### BRAKES

N

Machine shall have a spring applied, hydraulically released parking brake that shall automatically engage when arm bar is raised, and shall be designed to hold machine static at any point on a 2 to 1 slope.

#### HYDRAULIC SYSTEMS

N

The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

N

The hydraulic pumps shall be driven directly off the engine for maximum hydraulic performance and reliability. No belts shall be used.

N

The machine shall be equipped with a hydraulically driven fan, eliminating maintenance costs and parasitic power losses associated with a belt.

N

The Standard pump flow of the machine shall be at least 23 gal/min (86 L/min).

N

The Standard pump flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

N

The Standard pump flow / hydraulic horsepower of the machine shall be at least 46.4 hp (34.6 kW).

N

Machine shall be equipped with auxiliary hydraulics activated by a thumb switch located on the right joystick.

N

The High Flow hydraulics of the machine shall be at least 34 gal/min (129 L/min).

N

The High Flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

N

The High Flow hydraulic horsepower of the machine shall be at least 69.6hp (51.9kW).

N

The machine shall be capable of providing a High Flow XPS auxiliary hydraulic system (high flow and high pressure) with the hydraulic flow of the machine being at least 34 gal/min (128 L/min).

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N \_\_\_\_\_

The High Flow XPS (high flow and high pressure) system shall provide a hydraulic pressure of at least 4,081 psi (28,000 kPa).

N \_\_\_\_\_

The High Flow XPS (high flow and high pressure) hydraulic horsepower of the machine shall be at least 80.7 hp (60.2 kW).

N \_\_\_\_\_

Dual, variable-displacement, axial piston pumps shall be driven off the engine and provide hydraulic flow to the drive motors via a closed loop system.

N \_\_\_\_\_

Machine shall be equipped with abrasion resistant Tough Guard hoses and O-ring face seals help assure a leak free system.

N \_\_\_\_\_

Standard auxiliary hydraulics to power tools shall be available through self relieving quick connect hydraulic couplings that are rigidly mounted to the loader arm.

N \_\_\_\_\_

The drive and implement hydraulic pumps shall be electrically actuated and may not be actuated via any mechanical linkages.

#### AXLES

N \_\_\_\_\_

Machine shall have E-bar (equalizer bar) undercarriage system comprised of pivot shaft that connects the rear of both side undercarriages and the equalizer bar that connects the front area of the undercarriages.

N \_\_\_\_\_

The track shall consist of molded rubber with embedded steel bars that span the width of the track.

N \_\_\_\_\_

The track shall consist of continuous wound steel cables that provide tensile strength so that the track does not stretch.

N \_\_\_\_\_

Offers semi-suspended undercarriage through E-Bar system.

N \_\_\_\_\_

Machine shall have a minimum ground clearance of no less than 11.0 in (280 mm).

N \_\_\_\_\_

Machine ground pressure shall not exceed 5 psi (34.3 kPa) with 15.7 in (400 mm) wide tracks.

N \_\_\_\_\_

Machine ground pressure shall not exceed 4.4 psi (30.3 kPa) with 17.7 in (450 mm) wide tracks.

N \_\_\_\_\_

Overall length of track shall be 92.2 in (2341 mm).

N \_\_\_\_\_

Length of track on the ground shall be 72.3 in (1836 mm).

N \_\_\_\_\_

Machine weight shall be evenly distributed across the entire width and length of the track via multiple sets of rollers to disperse pressure, and maximize traction and flotation.

N \_\_\_\_\_

Undercarriage shall consist of an open design that allows easy cleaning of components.

N \_\_\_\_\_

Elevated positive drive track shall keep drive components away from ground debris.

N \_\_\_\_\_

Undercarriage shall provide manufacturer approved machine tie-down locations on the undercarriage frame.

#### OPERATOR STATION

N \_\_\_\_\_

The machine shall be equipped with deep skid-resistant, self-cleaning steps.

N \_\_\_\_\_

The machine shall have no foot controls used to operate loader arm, tilt function or auxiliary hydraulics.

N \_\_\_\_\_

The machine shall be equipped with a High Back, Ventilated, Heated, "Air Ride" Suspension Seat with seat dampening, lumbar, seat cushion, and recline adjustments.

N \_\_\_\_\_

The machine shall have a one-piece sealed & pressurized cab design.

N \_\_\_\_\_

The machine shall be equipped with both a hand and a foot throttle.

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N \_\_\_\_\_

The machine shall be equipped with adjustable boom / bucket response control, adjustable drive response control as well as travel speed control (creep).  
The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

N \_\_\_\_\_

The machine shall have a retractable high visibility seat belt.

N \_\_\_\_\_

The machine shall have a retractable high visibility 3-point seat belt.  
The machine shall come standard with an arm bar that when lifted, automatically engages the machine parking brake for added operator comfort and safety.

N \_\_\_\_\_

The machine shall be equipped with ROPS protective structures rated to at least (18,739 lb 8500 kg).

N \_\_\_\_\_

Cab door must be equipped with a 2 quick release handles and with "lift off" capability for easy front door removal that require no use of tools to remove.

N \_\_\_\_\_

The machine shall have a HVAC heater core rated capacity of at least 9213 btu (2323 kcal); When equipped with an enclosed cab, the machine shall have an HVAC climate control system with Automatic Temperature Control that allows for a desired temperature to be set and then maintained automatically by the HVAC system.

N \_\_\_\_\_

The machine shall have audible warning alarms for engine coolant temperature, engine oil pressure and hydraulic oil temperature.

N \_\_\_\_\_

N \_\_\_\_\_

Machines shall be equipped with a hydraulic lockout mechanism that prevents loader arm movement with door in open position.

N \_\_\_\_\_

Machine shall be equipped with a convex, rearview mirror for superior visibility to the rear and sides of the machine.

N \_\_\_\_\_

Machine shall have removable side windows that require no use of tools to remove for easy cleaning.

N \_\_\_\_\_

Side windows shall have two sliding panes, front and rear, to provide protection from the elements and allow fresh air ventilation.

N \_\_\_\_\_

Machine shall be equipped with 2 cab mounted front LED working lights and 2 rear door mounted, rear LED working lights.

N \_\_\_\_\_

Machine shall be equipped with LED side working lights.

N \_\_\_\_\_

Machine shall be equipped with a standard USB charging port.

N \_\_\_\_\_

Air conditioning condenser shall not be mounted on any other cooling core(s), and have no independent cooling fans, separate from the main cooling fan.

N \_\_\_\_\_

The machine shall have an 5 inch, full color, LCD monitor with video capability.

N \_\_\_\_\_

The machine shall have an 8 inch, full color, Touchscreen Monitor with video capability to support a rear-view camera image and 2 side-view camera images.

N \_\_\_\_\_

The machine shall have side-view cameras (left and right) to allow the operator to view the area behind the machine's tracks. Camera images shall be displayed in the touchscreen monitor via split screen images, along with the rear-view camera image.

N \_\_\_\_\_

The machine shall have advanced joysticks that provide on-joystick controls for the operator to navigate in-cab monitor menus and make selections or change settings without the operator needing to remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

N \_\_\_\_\_

The machine shall have advanced joysticks that provide on-joystick controls for the operator to increase, decrease, or mute the radio volume without the operator needing to remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

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N \_\_\_\_\_

The machine shall have joysticks that provide on-joystick controls for the operator to enable disable, and adjust the speed of the creeper control without the operator needing to remove his hand from the

joystick to touch the screen or utilize a separate jog-dial control.

N \_\_\_\_\_

The machine shall have joysticks that provide on-joystick controls for the operator that allow for one button control of complex hydro-mechanical attachment functions.

N \_\_\_\_\_

The machine shall have up to 50 individual security codes where the operator preferences are retained for each code. The master code provides the capability to monitor each individual code/operator

for fuel usage, hours of operation, as well as events and diagnostics.

N \_\_\_\_\_

The machine display shall provide on screen adjustment capability for creep setting, ride control activation speed, top speed limit setting, English/Metric units, and a choice of 32 languages.

N \_\_\_\_\_

Machine shall have a rear view camera.

N \_\_\_\_\_

The machine shall be equipped with Speed Sensitive Ride Control, which engages and disengages automatically, to cushion the loader arms during carry and travel operation.

N \_\_\_\_\_

The machine shall be equipped to support Smart Creep, which measures load on the Cold Planer or Wheel Saw attachment and automatically adjusts the drive command to keep the attachment

N \_\_\_\_\_

running at the most productive travel speed. The machine will slow down when there is more resistance and speed up when there is less resistance.

N \_\_\_\_\_

Machine shall have cellular based tracking providing machine hours and machine location.

N \_\_\_\_\_

Machine shall come standard with an Anti-theft Security System that requires a 4-6 digit code to be entered in order for the machine to be started.

N \_\_\_\_\_

Machine shall have Bluetooth capability and Microphone integrated with an AM/FM/Weather Band Radio with USB and Auxiliary Input Jack.

N \_\_\_\_\_

Machine shall have an AM/FM Radio integrated into the In-cab monitor and shall not be a separate module.

#### LOADER LINKAGE / STRUCTURES

N \_\_\_\_\_

Loader linkage shall be of a vertical lift style.

N \_\_\_\_\_

Loader linkage shall be equipped with a split style D-ring for securing work tool auxiliary hoses. Split style D-ring shall be bolt on for easy repair/replacement.

N \_\_\_\_\_

The machine shall be equipped with two tilt cylinders, protected by heavy-duty guarding.

N \_\_\_\_\_

The machine shall have a tipping capacity of at least 11874lb (5386 kg).

N \_\_\_\_\_

Rated operating capacity at 35% tipping load shall be no less than 4156 lb (1885 kg).

N \_\_\_\_\_

Rated operating capacity at 35% with counterweight shall be no less than 4435 lb ( 2011 kg).

N \_\_\_\_\_

The machine will have a dump angle of at least 44.7° for superior bucket cleanout.

N \_\_\_\_\_

Vertical lift linkage shall provide visibility under the loader arm to left & right sides when bucket is in the carry position.

N \_\_\_\_\_

The machine shall have a maximum hinge pin height of at least 134.4 in (3415mm).

N \_\_\_\_\_

Reach at maximum lift and dump shall be at least 32 in (814 mm).

N \_\_\_\_\_

Clearance at maximum lift and dump shall be at least 106.1 in (2694 mm).

N \_\_\_\_\_

Rack back angle at maximum height shall be 86.7 degrees.

N \_\_\_\_\_

Maximum reach with arms parallel to the ground shall be 46.1 in (1171 mm).

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N \_\_\_\_\_

Tilt cylinder breakout force shall be at least 9963 lb (4519 kg).

N \_\_\_\_\_

Lift cylinder breakout force shall be at least 6422 lb (2913 kg).

N \_\_\_\_\_

Electronic Dual Direction Self Level with electronic lift cycle snubbing shall be available.

N \_\_\_\_\_

Electronic work tool return to dig feature and electronic work tool positioner shall be available.

#### WORK TOOL OPTIONS

N \_\_\_\_\_

Machine shall have a universal quick coupler interface to easily change work tools.

N \_\_\_\_\_

Coupler shall have the following features: a low profile side plate designed for optimum match to work tools and minimal material packing, opposing wedges to ensure a tight tool fit, large contact areas

N \_\_\_\_\_

to absorb loads and minimize stress, chrome plated and lubricated vertical pins for smooth engagement and prevention of corrosion.

N \_\_\_\_\_

The powered quick coupler shall be activated from inside the cab to allow engagement and disengagement without needing the operator to exit the machine.

N \_\_\_\_\_

The machine shall have a pull type pressure relieving lever for the auxiliary connections / quick disconnects that relieves the pressure in the auxiliary hydraulic circuit.

N \_\_\_\_\_

Machine shall be equipped with technology that provides attachment recognition and allows the machine's existing in-cab joystick controls to be changed from the traditional drive/implement control functionality to meet the control needs for the specific, recognized Smart Attachment that has been connected. In this mode, the machine's joystick controls must deliver tailored control actions for the specific recognized Smart Attachment (Smart dozer blade, Smart grader blade, Smart backhoe).

#### SERVICEABILITY

N \_\_\_\_\_

Maintenance points shall be grouped in easily accessible, ground level locations.

N \_\_\_\_\_

The machine shall be equipped with grouped filter configuration with fuel/water separator filter and hydraulic oil filter all being cartridge style.

N \_\_\_\_\_

The engine shall be mounted in-line lengthwise for better accessibility.

N \_\_\_\_\_

The radiator and hydraulic oil cooler shall be protected by a guard/grill which shall tilt up to gain access to the cores.

N \_\_\_\_\_

The machine shall be equipped with sight gauges on the hydraulic tank.

N \_\_\_\_\_

The machine shall be equipped with sight gauge on the radiator.

N \_\_\_\_\_

The machine shall be equipped with standard system pressure and fluid analysis test ports

N \_\_\_\_\_

The machine shall have an electronic port allowing electronic machine diagnostics.

N \_\_\_\_\_

The machine shall have a cab that tilts to the rear by an individual using hand tools and shall expose all pumps, motors, valves and lines. Cab shall be held in place when tilted by a self latching mechanism.

N \_\_\_\_\_

The machine shall not have any required daily maintenance points that require lifting of the cab structure.

N \_\_\_\_\_

Machine shall have a vented, steel, rear door, with a bumper that slightly protrudes beyond the door, in order to prevent damage to engine compartment component

N \_\_\_\_\_

The rear door shall open to provide for easy access to both sides of the engine without the need for hand tools.

N \_\_\_\_\_

A removable belly pan section in the floor of the machine's lower frame shall provide excellent access for periodic cleaning

N \_\_\_\_\_

All filters shall be easily accessible from the ground, which makes routine service quicker and virtually spill free.

Initial \_\_\_\_\_

Date \_\_\_\_\_

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**MINIMUM SERVICE FILL CAPACITIES**

N \_\_\_\_\_ The machine shall have a hydraulic oil tank capacity of at least 6.9 gal (26.0 L).  
  N \_\_\_\_\_ Hydraulic system shall hold 10.8 gal (41.0 L).  
  N \_\_\_\_\_ Fuel tank shall hold 36.0 gal (136.1 L).  
  N \_\_\_\_\_ Engine crankcase shall hold 2.4 gal (9.0 L).  
  N \_\_\_\_\_ Engine cooling system shall hold 4.6 gal (17.5 L).  
  N \_\_\_\_\_ Diesel Exhaust Fluid system shall hold no less than 2.9 gal (11L)

**OWNING AND OPERATING COSTS**

N \_\_\_\_\_ Extended life coolant shall be standard  
  N \_\_\_\_\_ The machine shall have recommended 500-hour engine oil change intervals.  
  N \_\_\_\_\_ The machine shall be equipped with hydraulic oil that can achieve 6000 hour life with regular oil sampling and recommended filter changes.  
  
  N \_\_\_\_\_ The machine shall be treated with a factory applied corrosion inhibitor coating to protect the machine surfaces, including components under the cab and in the engine compartment, when exposed to corrosive environments such as manure, fertilizer, salt, mining fluids, etc.)

Initial JL Date 12-2-2025

## **MANDATORY BID SHEET**

**COMPANY NAME:**

Puckett Rentals

**ADDRESS:**

406 US 49, Richland, MS 39218

**TELEPHONE:** 601-624-1692

**FAX NUMBER:** \_\_\_\_\_

**EMAIL:** john.ross@puckettrents.com



12-2-2025

**AUTHORIZED REPRESENTATIVE'S SIGNATURE**

**DATE**

John Ross

**PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE**

**PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE**

**MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS  
OF PROPOSED VEHICLE**



# Cat® 275

## COMPACT TRACK LOADER

### FEATURES:

The Cat® 275 Compact Track Loader (CTL), with its vertical lift design, delivers extended reach and lift height for quick and easy truck loading. Its standard equalizer (E-bar) undercarriage system provides superior traction, flotation, stability, and speed to work in a wide range of applications and underfoot conditions. The 275 features the following:

- **Redesigned Operator Station** delivers a larger operating environment, and combined with additional seat travel, the 275 provides more space for operators of any size. The optional one-piece, sealed, and pressurized cab offers a clean and quiet workspace with excellent air distribution through optimally placed vents throughout the cab.
- **Available ventilated and heated high-back air ride seat** with seat-mounted adjustable joystick controls deliver industry-leading operator comfort.
- **High-performance power train** provides standard two-speed travel, combined with the optional Speed Sensitive Ride Control system for operation on rough terrain, enabling better load retention, increased productivity, and greater operator comfort.
- **Three levels of auxiliary hydraulic performance** available Standard Flow, High Flow, and High Flow XPS. Standard flow for attachments that require a base level of auxiliary flow and horsepower, High Flow boosts the auxiliary flow for applications that demand additional hydraulic flow for increased attachment performance, and the High Flow XPS hydraulic system delivers high flow and high pressure, and is available for applications that demand maximum hydraulic work tool performance.
- **High Horsepower, High Torque Engine** with Electronically controlled Cat® C3.6TA (turbocharged, after-cooled) engine that meets U.S. EPA Tier 4 Final and EU Stage V emission standards while delivering maximum horsepower across a wide RPM range and providing high torque for increased working performance, no matter the application.

- **Standard equalizer bar (E-bar) undercarriage and standard two-speed travel.** Harnessing Caterpillar's heritage and leadership with track-type tractors, the standard E-bar CTL undercarriage provides a hybrid undercarriage solution delivering the benefits of a rigid style undercarriage design when lifting heavy loads or when using heavy attachments (example: mulcher, dozer blade, grader blade), while also providing the benefits of an oscillating undercarriage design when encountering terrain or obstacles.
- **Maximize machine capability and control with the Advanced Joysticks and Advanced Touchscreen Monitor.** The 20.3 cm (8-inch) Advanced Touchscreen Monitor offers cutting-edge functionality and control that includes an integrated radio, Bluetooth® connectivity, and multi-camera (side-view) option, and supports 32 different language choices. The Advanced Joysticks provide unmatched control of machine functions and adjustments within the monitor without operators having to remove their hands from the controls. This includes the on-joystick navigation of the Advanced Touchscreen Monitor, radio volume up/down/mute, creep activation, creep on/off, creep speed increment/decrement, one-button Smart Attachment control activation, and additional auxiliary control buttons that deliver single-button control of complex attachment functions.
- **Available Rear Auxiliary ready option** provides hydraulic valving and lines that deliver a method to power hydro-mechanical attachments that mount to the rear of the machine (such as a rear scarifier, winch, etc.).
- **Ground-level access** to all daily service and routine maintenance points help reduce machine downtime for greater productivity.
- **Broad range of performance-matched Cat Attachments** make the Cat Compact Track Loaders the most versatile machine on the job site.

### Specifications

#### Engine

Engine Model	US EPA Tier 4 Final/ EU Stage V, Cat C3.6TA (turbocharged and after-cooled)	
Gross Power SAE J1995 (@ 2400 rpm)	82 kW	111 hp
Net Power SAE 1349	82 kW	111 hp
Net Power ISO 9249	81 kW	109 hp
Peak Torque at 1,500 rpm SAE J1995	501 N·m	370 lbf·ft
Displacement	3.6 L	221 in³
Stroke	98 mm	3.9 in
Bore	120 mm	4.7 in

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan at minimum speed, air intake system, exhaust system, and alternator.

#### Weights\*

Operating Weight	5625 kg	12,401 lb
------------------	---------	-----------

\*Operating Weight, Operating Specifications, and Dimensions are all based on 75 kg (165 lb) operator, all fluids, two speed, 2036 mm (80 in) low profile bucket, 400 mm (15.7 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, open Rollover Protective Structure (ROPS) cab, mechanical suspension seat, standard monitor, 1000 CCA battery, no optional counterweights and manual quick coupler (unless otherwise noted).

#### Power Train

Travel Speed (Forward or Reverse)		
One Speed	8.4 km/h	5.2 mph
Two Speed	12.5 km/h	7.8 mph

#### Cab

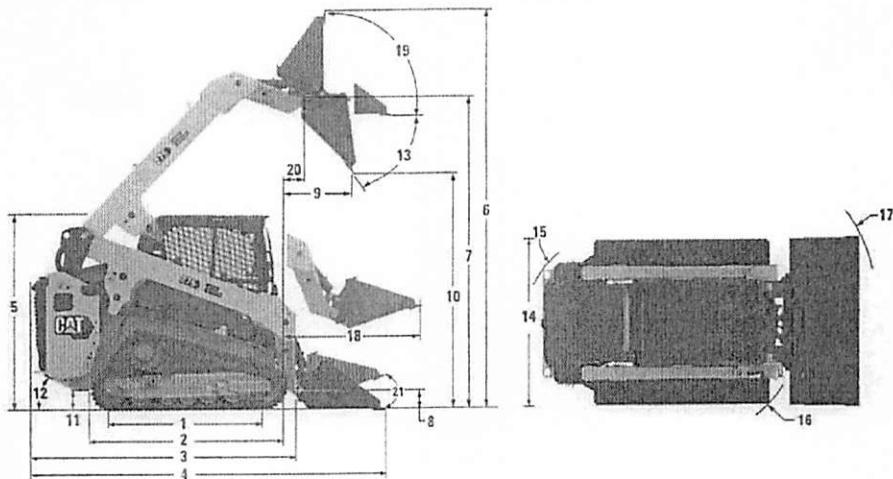
ROPS	ISO 3471:2008
Falling Object Protective Structure (FOPS)	ISO 3449:2005 Level I
	ISO 3449:2005 Level II (Optional)

#### Service Refill Capacities

Cooling System	17.5 L	4.6 gal
Engine Crankcase	9.0 L	2.4 gal
Fuel Tank	136.1 L	36.0 gal
Hydraulic System	41.0 L	10.8 gal
Hydraulic Tank	26 L	6.9 gal
Diesel Exhaust Fluid (DEF) Tank	11.0 L	2.9 gal



# 275D Compact Track Loader



## Dimensions\*

1 Length of Track on Ground	1836 mm	72.3 in	12 Departure Angle	29.5°
2 Overall Length of Track	2341 mm	92.2 in	13 Maximum Dump Angle	44.7°
3 Length without Bucket	3250 mm	128.0 in	14 Vehicle Width (400 mm/15.7 in tracks)	1926 mm 75.8 in
4 Length with Bucket on Ground	3880 mm	152.8 in	Vehicle Width (450 mm/17.7 in tracks)	1976 mm 77.8 in
5 Height to Top of Cab	2230 mm	87.8 in	15 Turning Radius from Center – Machine Rear	1931 mm 76.0 in
6 Maximum Overall Height	4193 mm	165.1 in	16 Turning Radius from Center – Coupler	1531 mm 60.3 in
7 Bucket Pin Height at Maximum Lift	3415 mm	134.4 in	17 Turning Radius from Center – Bucket (racked)	2320 mm 91.3 in
8 Bucket Pin Height at Carry Position	205 mm	8.1 in	18 Maximum Reach with Arms Parallel to Ground	1171 mm 46.1 in
9 Reach at Maximum Lift and Dump	814 mm	32.0 in	19 Rack Back Angle at Maximum Height	86.7°
10 Clearance at Maximum Lift and Dump	2694 mm	106.1 in	20 Bucket Pin Reach at Maximum Lift	415 mm 16.3 in
11 Ground Clearance	280 mm	11.0 in	21 Bucket rollback angle (ground level)	27.3°

## Hydraulic System

### Hydraulic Flow – Standard:

Loader Hydraulic Pressure	24 130 kPa	3,500 psi
Loader Hydraulic Flow	86 L/min	23 gal/min
Hydraulic Power (calculated)	34.6 kW	46.4 hp

### Hydraulic Flow – High Flow:

Loader Hydraulic Pressure	24 130 kPa	3,500 psi
Loader Hydraulic Flow	129 L/min	34 gal/min
Hydraulic Power (calculated)	51.5 kW	69.6 hp

### Hydraulic Flow – High Flow XPS:

Loader Hydraulic Pressure	28 000 kPa	4,061 psi
Loader Hydraulic Flow	128 L/min	34 gal/min
Hydraulic Power (calculated)	60.2 kW	80.7 hp

## Operating Specifications\*

### Open Canopy:

Operating Weight	5625 kg	12,401 lb
Tipping Load	5386 kg	11,874 lb
Rated Operating Capacity (35%)	1885 kg	4,156 lb
Rated Operating Capacity (50%)	2693 kg	5,937 lb
Ground Contact Area (400 mm/15.7 in tracks)	1.61 m <sup>2</sup>	2,496 in <sup>2</sup>
Ground Contact Area (450 mm/17.7 in tracks)	1.81 m <sup>2</sup>	2,808 in <sup>2</sup>
Ground Pressure (400 mm/15.7 in tracks)	35.1 kPa	5.1 psi
Ground Pressure (450 mm/17.7 in tracks)	31.3 kPa	4.5 psi

## Operating Specifications\* (continued)

### Enclosed Cab Adds:

Operating Weight	+99 kg	+218 lb
Tipping Load	+136 kg	+300 lb
Rated Operating Capacity (35%)	+48 kg	+105 lb

### Counterweight Adds:

Operating Weight	+194 kg	+428 lb
Tip Load	+361 kg	+796 lb
Rated Operating Capacity (35%)	+126 kg	+279 lb

### Wide Tracks (17.7 in/450 mm) Set Adds:

Operating Weight	+22 kg	+49 lb
Tip Load	+19 kg	+42 lb
Rated Operating Capacity (35%)	+7 kg	+15 lb

### Heavy-Duty Rear Door Guard Adds:

Operating Weight	+75 kg	+165 lb
Tip Load	+172 kg	+379 lb
Rated Operating Capacity (35%)	+60 kg	+133 lb

### Heavy-Duty Rear Bumper Adds:

Operating Weight	+79 kg	+174 lb
Tip Load	+171 kg	+377 lb
Rated Operating Capacity (35%)	+60 kg	+132 lb

### FOPS LEVEL 2 Plate Adds:

Operating Weight	+73 kg	+161 lb
Tip Load	+113 kg	+249 lb
Breakout Force, Tilt Cylinder	4519 kg	9,963 lb
Breakout Force, Lift Cylinder	2913 kg	6,422 lb

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

## Engine

- The Cat® C3.6TA (turbocharged and after-cooled) engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels\*\* up to:
  - ✓ 100% biodiesel FAME (fatty acid methyl ester)\*
  - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

\*For use of blends higher than 20% biodiesel, consult your Cat dealer.

\*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

## Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.216 metric tonnes.

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%

## Sound Performance

Operator Sound Pressure Level\* 82 dB(A) (ISO 6396:2008)

Exterior Sound Power Level\*\* 105 dB(A) (ISO 6395:2008)

- Cab and ROPS are standard in North America and Europe.

\*The declared dynamic operator sound pressure levels per ISO 6395:2008. The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

\*\*The labeled sound power level for the CE/UKCA marked configurations when measured according to the test procedure and conditions specified in European Union Directive "2000/14/EC" as amended by "2005/88/EC" and UK Noise Regulation 2001 No. 1701.

## Oil and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDOL™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Extended life coolant and long life hydraulic fluid extend maintenance intervals to reduce fluid consumption
  - Boost productivity with Cat technologies like work tool positioner, return to dig and Cat Smart Attachments
  - Save fuel with efficiency features such as foot throttle pedal and cooling system demand fan
  - Remote machine monitoring through onboard Product Link telematics

## Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	60.78%
Rubber	18.53%
Iron	9.53%
Nonferrous Metal	2.72%
Fluid	1.64%
Plastic	1.56%
Other	1.51%
Uncategorized	1.20%
Mixed Metal	1.07%
Mixed-Metal and Nonmetal	0.99%
Lead (Batteries)	0.47%
Mixed Nonmetallic	0.00%
Total	100.00%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earth-moving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following values in the table may vary.

Recyclability – 96%

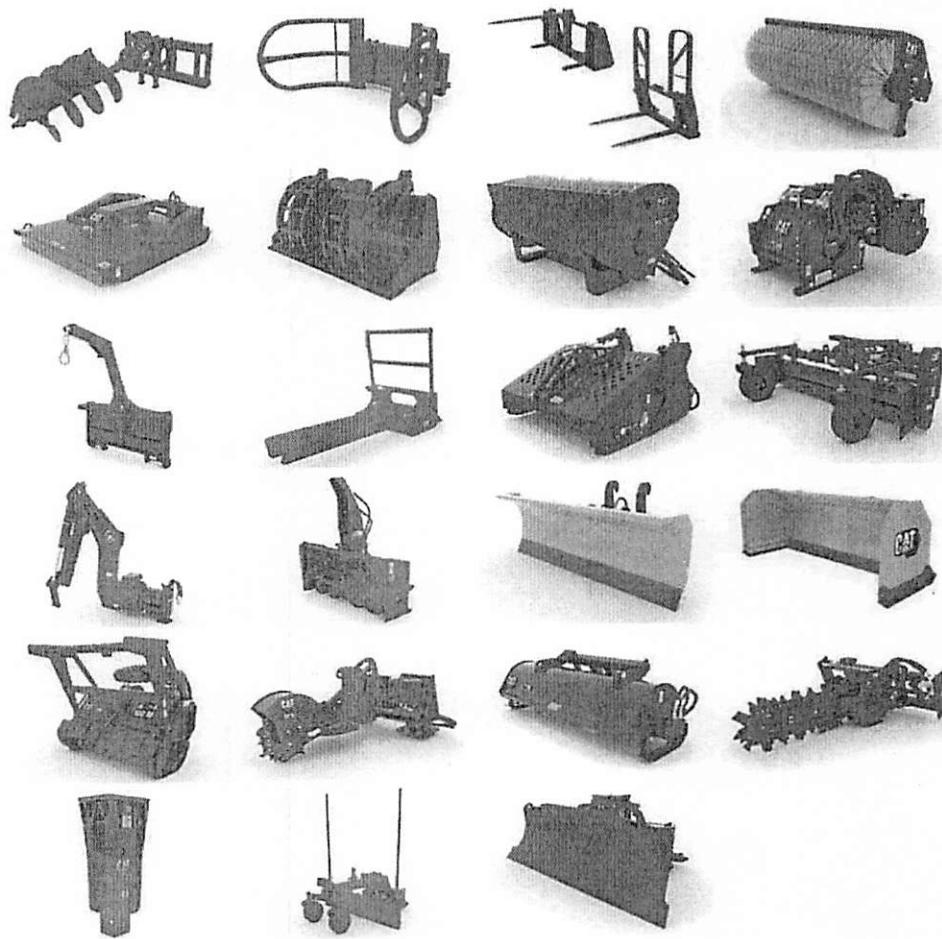
The data provided above was based on the product configuration as provided by the individual product group.

## 279 Compact Track Loader

### ATTACHMENTS

Get more from your machine with Cat attachments. Choose from a wide variety of options and tailor your machine to different tasks and conditions.

Augers  
Backhoes  
Bale Grabs  
Bale Spears  
Blades, Grader, Box, Angle and Dozer  
Brooms, Angle, Pickup and Utility  
Brushcutters  
Buckets  
Cold Planers  
Compactors  
Fork Tines and Carriages  
Hammers  
Material Handling Arm  
Mulchers  
Nursery Forks  
Rakes, Grapple, Landscape and Power Box  
Shears  
Snow Blowers  
Snow Plows  
Snow Pushes  
Snow Wings  
Stump Grinders  
Tillers  
Trenchers  
Wheel Saws  
Smart Backhoe  
Smart Dozer Blade with Assist  
Smart Grader Blade with Assist



## MANDATORY EQUIPMENT

- Quick Coupler; Manual or Hydraulic
- High Visibility Seat Belt: 50 mm (2 in), 75 mm (3 in), or 3-point lap/shoulder
- Steel Imbed Rubber Track – 400 mm (15.7 in) block tread, 450 mm (17.7 in) block tread, 450 mm (17.7 in) bar tread
- Dual Flange Front Idler/Single Flange Rear Idler or Triple Flange Front/Rear Idlers

## PERFORMANCE PACKAGES

- Performance Package HP1: *Standard Flow Hydraulics*
- Performance Package HP3: *High Flow XPS Hydraulics*
- Performance Package HP4: *High Flow XPS Hydraulics, Rear Auxiliary Ready*

## COMFORT PACKAGES

- Open canopy: *Cup Holder, Cell Phone Pocket, choice of vinyl Seat (Mechanical Suspension, or High Back/Heated/Air Ride Seat)*
- Enclosed Cab with heat and air conditioning: *Side Windows, Cup Holder, Cell Phone Pocket, choice of Seat (Mechanical Suspension, High Back/Heated Air Ride Seat, or High Back/Ventilated and Heated Air Ride Seat) and Door choice (Glass or Polycarbonate)*

## TECHNOLOGY PACKAGES

- T2 – *Standard Monitor, Standard Joysticks, traditional Key Start switch, and Rear-view camera.*
- T4 – *Advanced Touchscreen Monitor, Advanced Joysticks, Push start, X-mount cell phone holder, and a Rear-view camera.*
- T5 – *T4 + 2 additional side view cameras.*

## RADIO

- Radio, none – for open canopy machines and countries not certified for Bluetooth® technology
- Integrated AM/FM radio with Bluetooth technology.  
*Includes USB port, 3.5 mm (0.13 in) AUX input, and BT microphone. Only for use with enclosed cab. Availability varies by country.*
- Integrated DAB+/AM/FM radio with Bluetooth technology.  
*Includes USB port, 3.5 mm (0.13 in) AUX input, and BT microphone. Only for use with enclosed cab. Availability varies by country.*

## PRODUCT LINK™

- Product Link™ Basic series PL243
- Product Link Elite series PLE643

## COOLING FAN

- On-demand, variable speed hydraulic cooling fan
- On-demand, variable speed hydraulic cooling fan, with automatic and manual purge reversing operation

## GUARDING AND SEALING PACKAGES

- HD0 – *base guarding and sealing (engine air inlet rain cap, front cab-to-frame sealing, and hydraulic fill access door)*
- HD1 – *intermediate guarding and sealing† (HD0 + cab-to-frame side sealing, lockable fuel fill access door, and tilt cylinder guarding)*
- HD2 – *most comprehensive guarding and sealing† (HD1 + turbo guard, exhaust stack wrap, DPF wrap, quick disconnect guarding, under step hydraulic lines guard cover, engine air inlet pre-cleaner.)*

†Some equipment varies by region.

# 275 Compact Track Loader

## STANDARD EQUIPMENT

### ELECTRICAL

- Work Tool Electrical Harness
- Heavy duty battery
- Battery disconnect with lockout feature
- 12-volt Electrical System
- 100 Ampere Alternator
- LED Work Lights
- Auto Reverse Lights
- Switch Backlighting
- Interior LED Dome Light
- Backup Alarm
- Electrical Outlet, Beacon
- Exterior Courtesy Lighting

### OPERATOR ENVIRONMENT

- Full color LCD monitor: *Creep speed control, Drive response adjustment, Implement response adjustment, Drive Power Priority adjustment, Language selection (x 32), Multi-operator Anti-theft Security System and Monitoring, Maintenance schedule and reminders, Event and Diagnostic Code monitoring, Date/Time/Units/Brightness settings, and Smart Technology for use with Smart Attachments.*
- Operator Warning System Indicators: *Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Supply Filter Restriction, Hydraulic Oil Temperature, Park Brake Engaged, Engine Emission System (where applicable)*
- Gauges: *Fuel Level, Hour Meter, Hydraulic Temperature, Hour Meter, Battery Voltage, Tachometer*
- Fold In Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised: *Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages*
- ROPS Cab, Tilt Up
- FOPS, Level
- Top and Rear Windows
- Floor Mat
- Headliner
- Interior Rearview Mirror
- Horn
- Hand (Dial) Throttle, Electronic
- Seat Mounted Joystick Controls
- Cell Phone Storage Pocket
- Cup Holder
- 12-volt power port
- Foot Throttle

### HYDRAULICS

- Selectable control pattern – ISO or H
- Electro/hydraulic implement control
- Electro/hydraulic hydrostatic transmission control
- Speed sensor guarding
- Heavy duty flat faced quick disconnects with integrated pressure release lever and case drain
- Hydraulic oil level sight gauge

### POWER TRAIN

- Cat C3.6TA turbocharged, after-cooled diesel engine, meeting Tier 4 Final and Stage V Emission Standards:
  - Glow plugs starting aid
  - Liquid cooled, direct injection
- Extended life antifreeze (-37° C, -34° F)
- Air cleaner, dual element, radial seal
- Scheduled Oil Sampling (S-O-S<sup>SM</sup>) Valve, Hydraulic Oil
- Ecology drain – coolant
- Radiator coolant level sight gauge
- Radiator expansion bottle
- Filter, hydraulic supply, cartridge type
- Filter, hydraulic return, cartridge type
- Filter, canister type, engine oil
- Filter, canister type, fuel and water separator
- Radiator/hydraulic oil
- Cooler (side-by-side)
- Spring applied, hydraulically released, parking brakes
- Hydrostatic transmission
- Lockable fuel cap
- Hydraulic demand cooling fan
- Auto engine idle

### UNDERCARRIAGE

- E-bar (equalizer bar) suspension
- Two speed travel
- Integrated tie downs on track frame (4)

### FRAME

- Machine tie down points (9)
- Removable panels for machine frame cleanout
- Support, lift arm
- Steel rear and front bumpers, welded
- Fuel fill, machine right hand side

### OTHER

- Auxiliary Hydraulics, Continuous Flow
- Telematics, Product Link, Cellular
- Steel engine door with replaceable louvers
- Engine door – lockable
- Work tool attachment coupler
- Cat ToughGuard<sup>TM</sup> hose

## 275 Compact Track Loader

### OPTIONAL EQUIPMENT

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- External Counterweights
- Beacon, LED
- Oil, Hydraulic, Cold Operation
- 4-point machine lifting eyes
- Paint, Custom
- Speed Sensitive Ride Control
- Bluetooth Key Security
- Attachment Hose Guide
- Corrosion Inhibitor Coating (FOPS, Level II)

# 275 Compact Track Loader

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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEHQ8470-01 (09-2024)  
Replaces AEHQ8470  
Build Number: 05A  
(N Am, EU, Chile, Turkey,  
Colombia, S Korea)



**MADISON COUNTY, MISSISSIPPI**  
**INVITATION FOR BIDS**  
**Compact Track Loader**

The Madison County Board of Supervisors will receive un-priced proposals on the following:

**1. Compact Track Loader**

Un-priced proposals will be accepted until 10:00 a.m. on Thursday, December 18, 2025 by electronic submission at <http://www.madison-co.com/bids> or in sealed envelope at the Chancery Clerk's Office, 125 West North Street, Canton, Mississippi. For any questions relating to the electronic submission process, please call Kesha Jackson at 601-855-5534.

Submitted un-priced proposals will be evaluated, and vendors submitting acceptable proposals will be invited to submit priced bids. Bidding will be held by electronic reverse auction on Tuesday, December 23, 2025 at 10:00 a.m. Bidders may come to the Office of Purchasing with a paper bid and receive technical assistance in entering their bid in the reverse auction.

Specifications for the Compact Track Loader are available on the bid page of the Madison County Board of Supervisors at: <http://www.madison-co.com/bids>. Additionally, specifications are on file in the Chancery Clerk's Office, Madison County Office Complex, 125 West North Street, Canton, Mississippi, 39046 and available during normal business hours. There is no charge for specifications obtained using either of these methods.

All bids must comply with the specifications provided. Madison County reserves the right to amend the specifications, as necessary, and agrees to notify all who have requested bid packets from the Madison County Board of Supervisors.

The Madison County Board of Supervisors reserves the right to extend the auction date if necessary, to complete the bid proposal pre-qualification process.

Electronic proposals must be submitted at <http://www.madison-co.com/bids>.

All in-person submitted un-priced proposals must be sealed and clearly labeled on the outside of the bid envelope as instructed in the bid package and delivered to the Chancery Clerk's Office, at 125 West North Street, Canton, Mississippi.

The Board of Supervisors reserves the right to reject any and all bids.

**SUBMITTED:**

**MADISON COUNTY JOURNAL**

**FOR PUBLICATION ON:**

Thursday, November 20, 2025  
Thursday, November 27, 2025

**PROOF OF PUBLICATION TO:**

Madison County Chancery Clerk  
PO Box 404  
Canton, MS 39046

# Madison County Board of Supervisors

## Bid Specifications For New Model Compact Track Loader

Complete by Checking the Following  
IF NOT COMPLIANT, state Specifically the item being offered

### BID SPECIFICATION FOR COMPACT TRACK LOADER

#### BASIC SPECIFICATIONS

N \_\_\_\_\_

Net Power using SAE J1349 shall be at least 110 hp (82 kW).

N \_\_\_\_\_

Gross power using SAE J1995 shall be at least 111 hp (82kW).

N \_\_\_\_\_

Operating weight shall be 12,401 lb (5625kg) when equipped with 15.7 in (400mm) tracks.

N \_\_\_\_\_

Machine shall have a maximum length of 152.8 in (3880 mm) with bucket on ground while the length without a bucket is 128.0 in (3250 mm).

N \_\_\_\_\_

Machine width shall be 75.8 in (1926 mm) when equipped with 15.7 in (400 mm) tracks.

N \_\_\_\_\_

Machine height at the top of the cab shall be 87.8 in (2230 mm).

#### ENGINE

N \_\_\_\_\_

Engine shall be a 3.6L, Turbocharged and Aftercooled Diesel Engine, meeting Tier 4 Final (Stage V) Emissions Standards

N \_\_\_\_\_

The Engine emissions solution shall incorporate the latest Tier 4 Final emissions technology which captures particulate matter by utilizing a wall flow filter design.

N \_\_\_\_\_

Engine shall be direct fuel injected, turbocharged, liquid cooled and shall have four cylinder

N \_\_\_\_\_

Engine shall have a total displacement of not less than 221.0 in<sup>3</sup> (3.6L).

N \_\_\_\_\_

Engine shall deliver peak torque of at least 370 lbf·ft (501 Nm) per SAE J1995.

N \_\_\_\_\_

The engine shall be equipped with an alternator that has a charging capacity of at least 100 amperes.

N \_\_\_\_\_

Glow plugs shall be provided for improved starting in cold weather.

N \_\_\_\_\_

Air filtration shall be accomplished via a radial seal air cleaner with a secondary backup, as well as a convenient in-cab air flow restriction indicator. The air intake system shall be designed to accept an external pre-cleaner.

N \_\_\_\_\_

The machine shall not have any cooling cores or condenser mounted or stacked on top or below the radiator, restricting cooling capability.

N \_\_\_\_\_

The engine and hydraulic oil coolers shall have an ambient temperature cooling capacity of 109 degrees F (43 degrees C)

N \_\_\_\_\_

The cooling system shall pull air in from the rear of the machine and exhausted through the top of the cooling package, directing it away from the operator and site bystanders.

N \_\_\_\_\_

The cooling fan shall not be belt driven, but should be powered by a hydraulic motor that is demand driven (activated by an electrical solenoid) based on climate and heat loads. When fan is active it must maintain constant airflow and fan speed, even under a load that would cause the engine to lug.

N \_\_\_\_\_

Reversing Fan must be available to assist in removing material from the rear door intake screen. Must provide both automatic and manual purge modes.

N \_\_\_\_\_

The machine shall have an electronic torque management system that automatically strokes the hystat pump to reduce the chance of stalling the engine during lugging.

N \_\_\_\_\_

There shall be no more than two belts driven off the engine.

The machine shall have braided, color-coded and numbered wiring harness for easy diagnostics.

N \_\_\_\_\_

The machine shall have sealed pin connectors to prevent dirt and moisture infiltration. The machine shall be equipped with a battery that has at least 12 volts and 1000 CCA for cold start capabilities in 32 degrees F (0 degrees C) climate.

Battery Disconnect switch (master switch) must be available with lockout feature which will provide a basic level of machine security and prevent battery drain during periods of inactivity.

N \_\_\_\_\_

The machine shall be equipped with a water-in-fuel sensor and in cab indicator.

Exhaust flow and cooling package airflow should be mixed to reduce temperature of exhaust gases leaving the exhaust stack.

N \_\_\_\_\_

Machine shall be equipped with an Auto Idle feature which will decrease the engine RPM to low idle after a period of inactivity.

## POWERTRAIN/TRANSMISSION

N \_\_\_\_\_

Two hydrostatic axial piston drive pumps shall be splined directly to the engine via a flexible coupling for maximum efficiency, reliability and serviceability and shall power the final drive motors, driving the tracks.

N \_\_\_\_\_

Hydrostatic drive pumps shall be contained in a mono-block housing for maximum reliability and durability.

N \_\_\_\_\_

The drive system shall be of an external positive drive with steel on steel contact of tooth and sprocket engagement.

N \_\_\_\_\_

The drive motors are machine mounted with no exposed drive hoses on the exterior of the machine.

N \_\_\_\_\_

Hand throttle and foot throttle shall both be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed and the foot

throttle shall allow the operator to vary engine speed and minimize fuel consumption. Electronic hand throttle (dial) shall be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed when desired.

N \_\_\_\_\_

Hand throttle (dial) will have capability to provide 'decel' functionality when hand throttle (dial) is placed in the High Idle position.

Y  N

Electronic foot throttle shall be provided to allow the operator to match engine speed to a task. The foot throttle shall allow the operator to vary engine speed and minimize fuel consumption.

The machine will have the capability to electronically smooth foot throttle control while operating over rough ground.

An electronic torque management feature shall allow maximum power to the tracks while minimizing engine stalling.

Maximum forward and reverse travel speed 1 shall be at least 5.2 mph (8.4 kph).

Maximum forward and reverse travel speed 2 shall be at least 7.8 mph (12.5 kph).

Must have planetary gear reduction final drive.

2 Speed must be standard.

Y  N   
Y  N   
Y  N   
Y  N   
Y  N

#### STEERING

Y  N   
Y  N   
Y  N

The machine shall be equipped with a single, electrically operated joystick that controls the forward/reverse and steering directions.

Machine must be equipped with a selectable pattern control changer to operate in either "ISO" Pattern or "H" Pattern.

Full turning radius from center/coupler without a bucket shall be no greater than 60.3 in (1531mm) Initial DR 12/18/2025 Date   

#### BRAKES

Y  N

Machine shall have a spring applied, hydraulically released parking brake that shall automatically engage when arm bar is raised, and shall be designed to hold machine static at any point on a 2 to 1 slope.

#### HYDRAULIC SYSTEMS

Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N   
Y  N

The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

The hydraulic pumps shall be driven directly off the engine for maximum hydraulic performance and reliability. No belts shall be used.

The machine shall be equipped with a hydraulically driven fan, eliminating maintenance costs and parasitic power losses associated with a belt.

The Standard pump flow of the machine shall be at least 23 gal/min (86 L/min).

The Standard pump flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

The Standard pump flow / hydraulic horsepower of the machine shall be at least 46.4 hp (34.6 kW).

Machine shall be equipped with auxiliary hydraulics activated by a thumb switch located on the right joystick.

The High Flow hydraulics of the machine shall be at least 34 gal/min (129 L/min).

The High Flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

The High Flow hydraulic horsepower of the machine shall be at least 69.6hp (51.9kW).

The machine shall be capable of providing a High Flow XPS auxiliary hydraulic system (high flow and high pressure) with the hydraulic flow of the machine being at least 34 gal/min (128 L/min).

Initial DR 12/18/2025 Date

N \_\_\_\_\_

The High Flow XPS (high flow and high pressure) system shall provide a hydraulic pressure of at least 4,061 psi (28,000 kPa).

N \_\_\_\_\_

The High Flow XPS (high flow and high pressure) hydraulic horsepower of the machine shall be at least 80.7 hp (60.2 kW).

N \_\_\_\_\_

Dual, variable-displacement, axial piston pumps shall be driven off the engine and provide hydraulic flow to the drive motors via a closed loop system.

N \_\_\_\_\_

Machine shall be equipped with abrasion resistant Tough Guard hoses and O-ring face seals help assure a leak free system.

N \_\_\_\_\_

Standard auxiliary hydraulics to power tools shall be available through self relieving quick connect hydraulic couplings that are rigidly mounted to the loader arm.

N \_\_\_\_\_

The drive and implement hydraulic pumps shall be electrically actuated and may not be actuated via any mechanical linkages.

#### AXLES

N \_\_\_\_\_

Machine shall have E-bar (equalizer bar) undercarriage system comprised of pivot shaft that connects the rear of both side undercarriages and the equalizer bar that connects the front area of the undercarriages.

N \_\_\_\_\_

The track shall consist of molded rubber with embedded steel bars that span the width of the track.

N \_\_\_\_\_

The track shall consist of continuous wound steel cables that provide tensile strength so that the track does not stretch.

Offers semis suspended undercarriage through E-Bar system.

N \_\_\_\_\_

Machine shall have a minimum ground clearance of no less than 11.0 in (280 mm).

Machine ground pressure shall not exceed 5 psi (34.3 kPa) with 15.7 in (400 mm) wide tracks.

N \_\_\_\_\_

Machine ground pressure shall not exceed 4.4 psi (30.3 kPa) with 17.7 in (450 mm) wide tracks.

N \_\_\_\_\_

Overall length of track shall be 92.2 in (2341 mm).

N \_\_\_\_\_

Length of track on the ground shall be 72.3 in (1836 mm).

N \_\_\_\_\_

Machine weight shall be evenly distributed across the entire width and length of the track via multiple sets of rollers to disperse pressure, and maximize traction and flotation.

N \_\_\_\_\_

Undercarriage shall consist of an open design that allows easy cleaning of components.

N \_\_\_\_\_

Elevated positive drive track shall keep drive components away from ground debris.

N \_\_\_\_\_

Undercarriage shall provide manufacturer approved machine tie-down locations on the undercarriage frame.

#### OPERATOR STATION

N \_\_\_\_\_

The machine shall be equipped with deep skid-resistant, self-cleaning steps.

N \_\_\_\_\_

The machine shall have no foot controls used to operate loader arm, tilt function or auxiliary hydraulics.

N \_\_\_\_\_

The machine shall be equipped with a High Back, Ventilated, Heated, "Air Ride" Suspension Seat with seat dampening, lumbar, seat cushion, and recline adjustments.

N \_\_\_\_\_

The machine shall have a one-piece sealed & pressurized cab design.

N \_\_\_\_\_

The machine shall be equipped with both a hand and a foot throttle.

DR 12/18/2025  
Initial Date \_\_\_\_\_

N \_\_\_\_\_

The machine shall be equipped with adjustable boom / bucket response control, adjustable drive response control as well as travel speed control (creeper).  
The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

N \_\_\_\_\_

The machine shall have a retractable high visibility seat belt.

N \_\_\_\_\_

The machine shall have a retractable high visibility 3-point seat belt.  
The machine shall come standard with an arm bar that when lifted, automatically engages the machine parking brake for added operator comfort and safety.

N \_\_\_\_\_

The machine shall be equipped with ROPS protective structures rated to at least (18,739 lb 8500 kg).

N \_\_\_\_\_

Cab door must be equipped with a 2 quick release handles and with 'lift off' capability for easy front door removal that require no use of tools to remove.

N \_\_\_\_\_

The machine shall have a HVAC heater core rated capacity of at least 9213 btu (2323 kcal). When equipped with an enclosed cab, the machine shall have an HVAC climate control system with Automatic Temperature Control that allows for a desired temperature to be set and then maintained automatically by the HVAC system.

N \_\_\_\_\_

The machine shall have audible warning alarms for engine coolant temperature, engine oil pressure and hydraulic oil temperature.

N \_\_\_\_\_

N \_\_\_\_\_

Machines shall be equipped with a hydraulic lockout mechanism that prevents loader arm movement with door in open position.

N \_\_\_\_\_

Machine shall be equipped with a convex, rearview mirror for superior visibility to the rear and sides of the machine.

N \_\_\_\_\_

Machine shall have removable side windows that require no use of tools to remove for easy cleaning.

N \_\_\_\_\_

Side windows shall have two sliding panes, front and rear, to provide protection from the elements and allow fresh air ventilation.

N \_\_\_\_\_

Machine shall be equipped with 2 cab mounted front LED working lights and 2 rear door mounted, rear LED working lights.

N \_\_\_\_\_

Machine shall be equipped with LED side working lights.

N \_\_\_\_\_

Machine shall be equipped with a standard USB charging port.

N \_\_\_\_\_

Air conditioning condenser shall not be mounted on any other cooling core(s), and have no independent cooling fans, separate from the main cooling fan.

N \_\_\_\_\_

The machine shall have an 5 inch, full color, LCD monitor with video capability.

N \_\_\_\_\_

The machine shall have an 8 inch, full color, Touchscreen Monitor with video capability to support a rear-view camera image and 2 side-view camera images.

N \_\_\_\_\_

The machine shall have side-view cameras (left and right ) to allow the operator to view the area behind the machine's tracks. Camera images shall be displayed in the touchscreen monitor via split screen images, along with the rear-view camera image.

N \_\_\_\_\_

The machine shall have advanced joysticks that provide on-joystick controls for the operator to navigate in-cab monitor menus and make selections or change settings without the operator needing to

remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

N \_\_\_\_\_

The machine shall have advanced joysticks that provide on-joystick controls for the operator to increase, decrease, or mute the radio volume without the operator needing to touch the screen or utilize a separate jog-dial control.

DR 12/18/2025  
Initial Date \_\_\_\_\_

N \_\_\_\_\_

The machine shall have joysticks that provide on-joystick controls for the operator to enable disable, and adjust the speed of the creeper control without the operator needing to remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

N \_\_\_\_\_

The machine shall have joysticks that provide on-joystick controls for the operator that allow for one button control of complex hydro-mechanical attachment functions.

N \_\_\_\_\_

The machine shall have up to 50 individual security codes where the operator preferences are retained for each code. The master code provides the capability to monitor each individual code/operator

for fuel usage, hours of operation, as well as events and diagnostics.

N \_\_\_\_\_

The machine display shall provide on screen adjustment capability for creep setting, ride control activation speed, top speed limit setting, English/Metric units, and a choice of 32 languages.

N \_\_\_\_\_

Machine shall have a rear view camera.

N \_\_\_\_\_

The machine shall be equipped with Speed Sensitive Ride Control, which engages and disengages automatically, to cushion the loader arms during carry and travel operation.

N \_\_\_\_\_

The machine shall be equipped to support Smart Creep, which measures load on the Cold Planer or Wheel Saw attachment and automatically adjusts the drive command to keep the attachment

running at the most productive travel speed. The machine will slow down when there is more resistance and speed up when there is less resistance.

N \_\_\_\_\_

Machine shall have cellular based tracking providing machine hours and machine location.

N \_\_\_\_\_

Machine shall come standard with an Anti-theft Security System that requires a 4-6 digit code to be entered in order for the machine to be started.

N \_\_\_\_\_

Machine shall have Bluetooth capability and Microphone integrated with an AM/FM/Weather Band Radio with USB and Auxiliary Input Jack.

N \_\_\_\_\_

Machine shall have an AM/FM Radio integrated into the in-cab monitor and shall not be a separate module.

#### LOADER LINKAGE / STRUCTURES

N \_\_\_\_\_

Loader linkage shall be of a vertical lift style.

N \_\_\_\_\_

Loader linkage shall be equipped with a split style D-ring for securing work tool auxiliary hoses. Split style D-ring shall be bolt on for easy repair/replacement.

N \_\_\_\_\_

The machine shall be equipped with two tilt cylinders, protected by heavy-duty guarding.

N \_\_\_\_\_

The machine shall have a tipping capacity of at least 11874lb (5386 kg).

N \_\_\_\_\_

Rated operating capacity at 35% tipping load shall be no less than 4156 lb (1885 kg).

N \_\_\_\_\_

Rated operating capacity at 35% with counterweight shall be no less than 4435 lb (2011 kg).

N \_\_\_\_\_

The machine will have a dump angle of at least 44.7° for superior bucket cleanout.

N \_\_\_\_\_

Vertical lift linkage shall provide visibility under the loader arm to left & right sides when bucket is in the carry position.

N \_\_\_\_\_

The machine shall have a maximum hinge pin height of at least 134.4 in (3415mm).

N \_\_\_\_\_

Reach at maximum lift and dump shall be at least 32 in (814 mm).

N \_\_\_\_\_

Clearance at maximum lift and dump shall be at least 106.1 in (2694 mm).

N \_\_\_\_\_

Rack back angle at maximum height shall be 86.7 degrees.

N \_\_\_\_\_

Maximum reach with arms parallel to the ground shall be 46.1 in (1171 mm).

N \_\_\_\_\_

Initial DR Date 12/18/2025

N \_\_\_\_\_  
 N \_\_\_\_\_  
  N \_\_\_\_\_

Tilt cylinder breakout force shall be at least 9963 lb (4519 kg).  
Lift cylinder breakout force shall be at least 6422 lb (2913 kg).  
Electronic Dual Direction Self Level with electronic lift cycle snubbing shall be available.  
Electronic work tool return to dig feature and electronic work tool positioner shall be available

#### WORK TOOL OPTIONS

N \_\_\_\_\_  
  N \_\_\_\_\_

N \_\_\_\_\_  
  N \_\_\_\_\_

N \_\_\_\_\_

Machine shall have a universal quick coupler interface to easily change work tools.  
Coupler shall have the following features: a low profile side plate designed for optimum match to work tools and minimal material packing, opposing wedges to ensure a tight tool fit, large contact areas to absorb loads and minimize stress, chrome plated and lubricated vertical pins for smooth engagement and prevention of corrosion.  
The powered quick coupler shall be activated from inside the cab to allow engagement and disengagement without needing the operator to exit the machine.  
The machine shall have a pull type pressure relieving lever for the auxiliary connections / quick disconnects that relieves the pressure in the auxiliary hydraulic circuit.

Machine shall be equipped with technology that provides attachment recognition and allows the machine's existing in-cab joystick controls to be changed from the traditional drive/implement control functionality to meet the control needs for the specific, recognized Smart Attachment that has been connected. In this mode, the machine's joystick controls must deliver tailored control actions for the specific recognized Smart Attachment (Smart dozer blade, Smart grader blade, Smart backhoe).

#### SERVICEABILITY

N \_\_\_\_\_  
  N \_\_\_\_\_

N \_\_\_\_\_

Maintenance points shall be grouped in easily accessible, ground level locations.  
The machine shall be equipped with grouped filter configuration with fuel/water separator filter and hydraulic oil filter all being cartridge style.  
The engine shall be mounted in-line lengthwise for better accessibility.  
The radiator and hydraulic oil cooler shall be protected by a guard/grill which shall tilt up to gain access to the cores.  
The machine shall be equipped with sight gauges on the hydraulic tank.  
The machine shall be equipped with sight gauge on the radiator.  
The machine shall be equipped with standard system pressure and fluid analysis test ports  
The machine shall have an electronic port allowing electronic machine diagnostics.  
The machine shall have a cab that tilts to the rear by an individual using hand tools and shall expose all pumps, motors, valves and lines. Cab shall be held in place when tilted by a self latching mechanism.  
The machine shall not have any required daily maintenance points that require lifting of the cab structure.  
Machine shall have a vented, steel, rear door, with a bumper that slightly protrudes beyond the door, in order to prevent damage to engine compartment components.  
The rear door shall open to provide for easy access to both sides of the engine without the need for hand tools.  
A removable belly pan section in the floor of the machine's lower frame shall provide excellent access for periodic cleaning  
All filters shall be easily accessible from the ground, which makes routine service quicker and virtually spill free.

**MINIMUM SERVICE FILL CAPACITIES**

N \_\_\_\_\_ The machine shall have a hydraulic oil tank capacity of at least 6.9 gal (26.0 L).  
  N \_\_\_\_\_ Hydraulic system shall hold 10.8 gal (41.0 L).  
  N \_\_\_\_\_ Fuel tank shall hold 36.0 gal (136.1 L).  
  N \_\_\_\_\_ Engine crankcase shall hold 2.4 gal (9.0 L).  
  N \_\_\_\_\_ Engine cooling system shall hold 4.6 gal (17.5 L).  
  N \_\_\_\_\_ Diesel Exhaust Fluid system shall hold no less than 2.9 gal (11L)

**OWNING AND OPERATING COSTS**

N \_\_\_\_\_ Extended life coolant shall be standard  
  N \_\_\_\_\_ The machine shall have recommended 500-hour engine oil change intervals.  
  N \_\_\_\_\_ The machine shall be equipped with hydraulic oil that can achieve 6000 hour life with regular oil sampling and recommended filter changes.  
  
  N \_\_\_\_\_ The machine shall be treated with a factory applied corrosion inhibitor coating to protect the machine surfaces, including components under the cab and in the engine compartment, when exposed to corrosive environments such as manure, fertilizer, salt, mining fluids, etc.)

Initial DR Date 12/18/2025

## **MANDATORY BIDSHEET**

**COMPANY NAME:** Northrock Enterprises LLC

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**ADDRESS:** 7310 NW 56 Street Miami, FL 33166

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**TELEPHONE:** 1 954-518-4339

---

**FAX NUMBER:** \_\_\_\_\_

---

**EMAIL:** dray@northrockusa.com

---

12/18/2025

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**AUTHORIZED REPRESENTATIVE'S SIGNATURE**

**DATE**

GEORGE DAVE RANGLIN

---

**PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE**

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS  
OF PROPOSED VEHICLE

**MADISON COUNTY, MISSISSIPPI  
INVITATION FOR BIDS  
Compact Track Loader**

*Rent Me  
12/18/25  
a:17 AM*

The Madison County Board of Supervisors will receive un-priced proposals

**1. Compact Track Loader**

Un-priced proposals will be accepted until 10:00 a.m. on Thursday, December 18, 2025 by electronic submission at <http://www.madison-co.com/bids> or in sealed envelope at the Chancery Clerk's Office, 125 West North Street, Canton, Mississippi. For any questions relating to the electronic submission process, please call Kesha Jackson at 601-855-5534.

Submitted un-priced proposals will be evaluated, and vendors submitting acceptable proposals will be invited to submit priced bids. Bidding will be held by electronic reverse auction on Tuesday, December 23, 2025 at 10:00 a.m. Bidders may come to the Office of Purchasing with a paper bid and receive technical assistance in entering their bid in the reverse auction.

Specifications for the Compact Track Loader are available on the bid page of the Madison County Board of Supervisors at: <http://www.madison-co.com/bids>. Additionally, specifications are on file in the Chancery Clerk's Office, Madison County Office Complex, 125 West North Street, Canton, Mississippi, 39046 and available during normal business hours. There is no charge for specifications obtained using either of these methods.

All bids must comply with the specifications provided. Madison County reserves the right to amend the specifications, as necessary, and agrees to notify all who have requested bid packets from the Madison County Board of Supervisors.

The Madison County Board of Supervisors reserves the right to extend the auction date if necessary, to complete the bid proposal pre-qualification process.

Electronic proposals must be submitted at <http://www.madison-co.com/bids>.

All in-person submitted un-priced proposals must be sealed and clearly labeled on the outside of the bid envelope as instructed in the bid package and delivered to the Chancery Clerk's Office, at 125 West North Street, Canton, Mississippi.

The Board of Supervisors reserves the right to reject any and all bids.

SUBMITTED:

MADISON COUNTY JOURNAL

FOR PUBLICATION ON:

Thursday, November 20, 2025  
Thursday, November 27, 2025

PROOF OF PUBLICATION TO:

Madison County Chancery Clerk  
PO Box 404  
Canton, MS 39046

**Madison County Board of Supervisors**  
**Bid Specifications For**  
**New Model Compact Track Loader**

Complete by Checking the Following  
IF NOT COMPLIANT, state Specifically the item being offered

**BID SPECIFICATION FOR COMPACT TRACK LOADER**

**BASIC SPECIFICATIONS**

100 HP  N   
100 HP  N   
 N   
145/117 in  N   
 N   
84.7 in  N

Net Power using SAE J1349 shall be at least 110 hp (82 kW).  
Gross power using SAE J1995 shall be at least 111 hp (82kW).  
Operating weight shall be 12,401 lb (5625kg) when equipped with 15.7 in (400mm) tracks.  
Machine shall have a maximum length of 152.8 in (3880 mm) with bucket on ground  
while the length without a bucket is 128.0 in (3250 mm).  
Machine width shall be 75.8 in (1926 mm) when equipped with 15.7 in (400 mm) tracks.  
Machine height at the top of the cab shall be 87.8 in (2230 mm).

**ENGINE**

3.4 L  N   
 N   
 N   
205 in<sup>3</sup>  N   
~~205~~ 650 N  N   
120 Amp  N   
 N   
 N   
 N   
 N   
 N

Engine shall be a 3.6L, Turbocharged and Aftercooled Diesel Engine, meeting  
Tier 4 Final (Stage V) Emissions Standards  
The Engine emissions solution shall incorporate the latest Tier 4 Final emissions  
technology which captures particulate matter by utilizing a wall flow filter design.  
Engine shall be direct fuel injected, turbocharged, liquid cooled and shall have four cylinder  
Engine shall have a total displacement of not less than 221.0 in<sup>3</sup> (3.6L).  
Engine shall deliver peak torque of at least 370 lbf-ft (501 Nm) per SAE J1995.  
The engine shall be equipped with an alternator that has a charging capacity of at  
least 100 amperes.  
Glow plugs shall be provided for improved starting in cold weather.  
Air filtration shall be accomplished via a radial seal air cleaner with a secondary backup,  
as well as a convenient in-cab air flow restriction indicator. The air intake system shall be  
designed to accept an  
external pre-cleaner.  
The machine shall not have any cooling cores or condenser mounted or stacked on top  
or below the radiator, restricting cooling capability.  
The engine and hydraulic oil coolers shall have an ambient temperature cooling capacity  
of 109 degrees F (43 degrees C)  
The cooling system shall pull air in from the rear of the machine and exhausted through  
the top of the cooling package, directing it away from the operator and site bystanders.

Initial  Date 12-11-25

N

The cooling fan shall not be belt driven, but should be powered by a hydraulic motor that is demand driven (activated by an electrical solenoid) based on climate and heat loads. When fan is active it must maintain constant airflow and fan speed, even under a load that would cause the engine to lug.

N

Reversing Fan must be available to assist in removing material from the rear door intake screen. Must provide both automatic and manual purge modes.

N

The machine shall have an electronic torque management system that automatically strokes the hystat pump to reduce the chance of stalling the engine during lugging.

N

There shall be no more than two belts driven off the engine.

N

The machine shall have braided, color-coded and numbered wiring harness for easy diagnostics.

N

The machine shall have sealed pin connectors to prevent dirt and moisture infiltration.

~~2X 1000 CCA~~   N ~~BATTERIES~~

The machine shall be equipped with a battery that has at least 12 volts and 1000 CCA for cold start capabilities in 32 degrees F (0 degrees C) climate.

N

Battery Disconnect switch (master switch) must be available with lockout feature which will provide a basic level of machine security and prevent battery drain during periods of inactivity.

N

The machine shall be equipped with a water-in-fuel sensor and in cab indicator. Exhaust flow and cooling package airflow should be mixed to reduce temperature of exhaust gases leaving the exhaust stack.

N

Machine shall be equipped with an Auto Idle feature which will decrease the engine RPM to low idle after a period of inactivity.

## POWERTRAIN/TRANSMISSION

N

Two hydrostatic axial piston drive pumps shall be splined directly to the engine via a flexible coupling for maximum efficiency, reliability and serviceability and shall power the final drive motors, driving the tracks.

N

Hydrostatic drive pumps shall be contained in a mono-block housing for maximum reliability and durability.

N

The drive system shall be of an external positive drive with steel on steel contact of tooth and sprocket engagement.

N

The drive motors are machine mounted with no exposed drive hoses on the exterior of the machine.

N

Hand throttle and foot throttle shall both be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed and the foot

N

throttle shall allow the operator to vary engine speed and minimize fuel consumption. Electronic hand throttle (dial) shall be provided to allow the operator to match engine speed to a task. The hand throttle shall allow the operator to maintain consistent engine speed when desired.

N

Hand throttle (dial) will have capability to provide 'decel' functionality when hand throttle (dial) is placed in the High Idle position.

Initial DP Date 12-19-25

N

Electronic foot throttle shall be provided to allow the operator to match engine speed to a task. The foot throttle shall allow the operator to vary engine speed and minimize fuel consumption.

The machine will have the capability to electronically smooth foot throttle control while operating over rough ground.

An electronic torque management feature shall allow maximum power to the tracks while minimizing engine stalling.

Maximum forward and reverse travel speed 1 shall be at least 5.2 mph (8.4 kph).

Maximum forward and reverse travel speed 2 shall be at least 7.8 mph (12.5 kph).

Must have planetary gear reduction final drive.

2 Speed must be standard.

5.2 mph

N

N

4.9 mph

N

N

N

N

#### STEERING

N

N

N

The machine shall be equipped with a single, electrically operated joystick that controls the forward/reverse and steering directions.

Machine must be equipped with a selectable pattern control changer to operate in either "ISO" Pattern or "H" Pattern.

Full turning radius from center/coupler without a bucket shall be no greater than 60.3 in (1531mm) Initial DP Date 12-10-25

#### BRAKES

N

Machine shall have a spring applied, hydraulically released parking brake that shall automatically engage when arm bar is raised, and shall be designed to hold machine static at any point on a 2 to 1 slope.

#### HYDRAULIC SYSTEMS

N

N

N

25.1 GPM

N

4000 psi

N

N

N

N

37.4 GPM

N

N

N

N

The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

The hydraulic pumps shall be driven directly off the engine for maximum hydraulic performance and reliability. No belts shall be used.

The machine shall be equipped with a hydraulically driven fan, eliminating maintenance costs and parasitic power losses associated with a belt.

The Standard pump flow of the machine shall be at least 23 gal/min (86 L/min).

The Standard pump flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

The Standard pump flow / hydraulic horsepower of the machine shall be at least 46.4 hp (34.6 kW).

Machine shall be equipped with auxiliary hydraulics activated by a thumb switch located on the right joystick.

The High Flow hydraulics of the machine shall be at least 34 gal/min (129 L/min).

The High Flow hydraulic pressure of the machine shall be at least 3,500 psi (24,130 kPa).

The High Flow hydraulic horsepower of the machine shall be at least 69.6hp (51.9kW).

The machine shall be capable of providing a High Flow XPS auxiliary hydraulic system (high flow and high pressure) with the hydraulic flow of the machine being at least 34 gal/min (128 L/min).

Initial DP Date 12-10-25

- The High Flow XPS (high flow and high pressure) system shall provide a hydraulic pressure of at least 4,061 psi (28,000 kPa).
- The High Flow XPS (high flow and high pressure) hydraulic horsepower of the machine shall be at least 80.7 hp (60.2 kW).
- Dual, variable-displacement, axial piston pumps shall be driven off the engine and provide hydraulic flow to the drive motors via a closed loop system.
- Machine shall be equipped with abrasion resistant Tough Guard hoses and O-ring face seals help assure a leak free system.
- Standard auxiliary hydraulics to power tools shall be available through self relieving quick connect hydraulic couplings that are rigidly mounted to the loader arm.
- The drive and implement hydraulic pumps shall be electrically actuated and may not be actuated via any mechanical linkages.

Dezer  
style welded AXLES

Track Frames  
welded to machine Y N ✓

with Bottom roller ✓ N

Pivot To Incaster  
operator side. Y ✓ N

Y N ✓

Y ✓ N

Y ✓ N

Y ✓ N

4.6 — Y N ✓

65.6" — Y N ✓

Y ✓ N

Y ✓ N

Y ✓ N

Y ✓ N

Machine shall have E-bar (equalizer bar) undercarriage system comprised of pivot shaft that connects the rear of both side undercarriages and the equalizer bar that connects the front area of the undercarriages.

The track shall consist of molded rubber with embedded steel bars that span the width of the track.

The track shall consist of continuous wound steel cables that provide tensile strength so that the track does not stretch.

Offers semi-suspended undercarriage through E-Bar system.

Machine shall have a minimum ground clearance of no less than 11.0 in (280 mm).

Machine ground pressure shall not exceed 5 psi (34.3 kPa) with 15.7 in (400 mm) wide tracks.

Machine ground pressure shall not exceed 4.4 psi (30.3 kPa) with 17.7 in (450 mm) wide tracks.

Overall length of track shall be 92.2 in (2341 mm).

Length of track on the ground shall be 72.3 in (1836 mm).

Machine weight shall be evenly distributed across the entire width and length of the track via multiple sets of rollers to disperse pressure, and maximize traction and flotation.

Undercarriage shall consist of an open design that allows easy cleaning of components.

Elevated positive drive track shall keep drive components away from ground debris.

Undercarriage shall provide manufacturer approved machine tie-down locations on the undercarriage frame.

## OPERATOR STATION

Y  N

Y  N

Y  N

Y  N

Y  N

- The machine shall be equipped with deep skid-resistant, self-cleaning steps.
- The machine shall have no foot controls used to operate loader arm, tilt function or auxiliary hydraulics.
- The machine shall be equipped with a High Back, Ventilated, Heated, "Air Ride" Suspension Seat with seat dampening, lumbar, seat cushion, and recline adjustments.
- The machine shall have a one-piece sealed & pressurized cab design.
- The machine shall be equipped with both a hand and a foot throttle.

Initials PF Date 12-10-25

Initials MM Date 12-10-25

Similar to vehicle which will engage the parking brake

NO arm bar, machine Has 3pt Seat Belt

Y ✓ N       

The machine shall be equipped with adjustable boom / bucket response control, adjustable drive response control as well as travel speed control (creeper).  
The machine shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions.

Y        N ✓

The machine shall have a retractable high visibility seat belt.

Y        N ✓

The machine shall have a retractable high visibility 3-point seat belt.  
The machine shall come standard with an arm bar that when lifted, automatically engages the machine parking brake for added operator comfort and safety.

Y ✓ N       

The machine shall be equipped with ROPS protective structures rated to at least (18,739 lb 8500 kg).  
Cab door must be equipped with a 2 quick release handles and with 'lift off' capability for easy front door removal that require no use of tools to remove.

Y ✓ N       

The machine shall have a HVAC heater core rated capacity of at least 9213 btu (2323 kcal).  
When equipped with an enclosed cab, the machine shall have an HVAC climate control system with Automatic Temperature Control that allows for a desired temperature to be set and then maintained automatically by the HVAC system.

Y ✓ N       

The machine shall have audible warning alarms for engine coolant temperature, engine oil pressure and hydraulic oil temperature.

Y ✓ N       

Machines shall be equipped with a hydraulic lockout mechanism that prevents loader arm movement with door in open position.

Y ✓ N       

Machine shall be equipped with a convex, rearview mirror for superior visibility to the rear and sides of the machine.

Y ✓ N       

Machine shall have removable side windows that require no use of tools to remove for easy cleaning.

Y ✓ N       

Side windows shall have two sliding panes, front and rear, to provide protection from the elements and allow fresh air ventilation.

Y ✓ N       

Machine shall be equipped with 2 cab mounted front LED working lights and 2 rear door mounted, rear LED working lights.

Y ✓ N       

Machine shall be equipped with LED side working lights.

Y ✓ N       

Machine shall be equipped with a standard USB charging port.

Y ✓ N       

Air conditioning condenser shall not be mounted on any other cooling core(s), and have no independent cooling fans, separate from the main cooling fan.

Y ✓ N       

The machine shall have an 5 inch, full color, LCD monitor with video capability.

Y        N ✓

The machine shall have an 8 inch, full color, Touchscreen Monitor with video capability to support a rear-view camera image and 2 side-view camera images.

Y        N ✓

The machine shall have side-view cameras (left and right ) to allow the operator to view the area behind the machine's tracks. Camera images shall be displayed in the touchscreen monitor via split screen images, along with the rear-view camera image.

Y        N ✓

The machine shall have advanced joysticks that provide on-joystick controls for the operator to navigate In-cab monitor menus and make selections or change settings without the operator needing to remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

Y        N ✓

The machine shall have advanced joysticks that provide on-joystick controls for the operator to increase, decrease, or mute the radio volume without the operator needing to remove his hand from the joystick to touch the screen or utilize a separate jog-dial control.

Y  N

The machine shall have joysticks that provide on-joystick controls for the operator to enable disable, and adjust the speed of the creeper control without the operator needing to remove his hand from the

joystick to touch the screen or utilize a separate jog-dial control.

Y  N

The machine shall have joysticks that provide on-joystick controls for the operator that allow for one button control of complex hydro-mechanical attachment functions.

Y  N

The machine shall have up to 50 individual security codes where the operator preferences are retained for each code. The master code provides the capability to monitor each individual code/operator

for fuel usage, hours of operation, as well as events and diagnostics.

Y  N

The machine display shall provide on screen adjustment capability for creep setting, ride control activation speed, top speed limit setting, English/Metric units, and a choice of 32 languages.

Y  N

Machine shall have a rear view camera.

Y  N

The machine shall be equipped with Speed Sensitive Ride Control, which engages and disengages automatically, to cushion the loader arms during carry and travel operation. The machine shall be equipped to support Smart Creep, which measures load on the Cold Planer or Wheel Saw attachment and automatically adjusts the drive command to keep the attachment

Y  N

running at the most productive travel speed. The machine will slow down when there is more resistance and speed up when there is less resistance.

Y  N

Machine shall have cellular based tracking providing machine hours and machine location.

Y  N

Machine shall come standard with an Anti-theft Security System that requires a 4-6 digit code to be entered in order for the machine to be started.

Y  N

Machine shall have Bluetooth capability and Microphone integrated with an AM/FM/Weather Band Radio with USB and Auxiliary Input Jack.

Y  N

Machine shall have an AM/FM Radio Integrated into the in-cab monitor and shall not be a separate module.

#### LOADER LINKAGE / STRUCTURES

Y  N

Loader linkage shall be of a vertical lift style.

Y  N

Loader linkage shall be equipped with a split style D-ring for securing work tool auxiliary hoses. Split style D-ring shall be bolt on for easy repair/replacement.

The machine shall be equipped with two tilt cylinders, protected by heavy-duty guarding.

The machine shall have a tipping capacity of at least 11874lb (5386 kg).

Rated operating capacity at 35% tipping load shall be no less than 4156 lb (1885 kg).

Rated operating capacity at 35% with counterweight shall be no less than 4435 lb (2011 kg).

The machine will have a dump angle of at least 44.7° for superior bucket cleanout.

Vertical lift linkage shall provide visibility under the loader arm to left & right sides when bucket is in the carry position.

The machine shall have a maximum hinge pin height of at least 134.4 in (3415mm).

Reach at maximum lift and dump shall be at least 32 in (814 mm).

Clearance at maximum lift and dump shall be at least 106.1 in (2694 mm).

Rack back angle at maximum height shall be 86.7 degrees.

Maximum reach with arms parallel to the ground shall be 46.1 in (1171 mm).

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N

Tilt cylinder breakout force shall be at least 9963 lb (4519 kg).

N

Lift cylinder breakout force shall be at least 6422 lb (2913 kg).

N

Electronic Dual Direction Self Level with electronic lift cycle snubbing shall be available.

N

Electronic work tool return to dig feature and electronic work tool positioner shall be available.

#### WORK TOOL OPTIONS

N

Machine shall have a universal quick coupler interface to easily change work tools.

Coupler shall have the following features: a low profile side plate designed for optimum match to work tools and minimal material packing, opposing wedges to ensure a tight tool fit, large contact areas

to absorb loads and minimize stress, chrome plated and lubricated vertical pins for smooth engagement and prevention of corrosion.

N

The powered quick coupler shall be activated from inside the cab to allow engagement and disengagement without needing the operator to exit the machine.

N

The machine shall have a pull type pressure relieving lever for the auxiliary connections / quick disconnects that relieves the pressure in the auxiliary hydraulic circuit.

N

Machine shall be equipped with technology that provides attachment recognition and allows the machine's existing in-cab joystick controls to be changed from the traditional drive/implement control functionality to meet the control needs for the specific, recognized Smart Attachment that has been connected. In this mode, the machine's joystick controls must deliver tailored control actions for the specific recognized Smart Attachment (Smart dozer blade, Smart grader blade, Smart backhoe).

#### SERVICEABILITY

N

Maintenance points shall be grouped in easily accessible, ground level locations.

N

The machine shall be equipped with grouped filter configuration with fuel/water separator filter and hydraulic oil filter all being cartridge style.

N

The engine shall be mounted in-line lengthwise for better accessibility.

N

The radiator and hydraulic oil cooler shall be protected by a guard/grill which shall tilt up to gain access to the cores.

N

The machine shall be equipped with sight gauges on the hydraulic tank.

N

The machine shall be equipped with sight gauge on the radiator.

N

The machine shall be equipped with standard system pressure and fluid analysis test ports

N

The machine shall have an electronic port allowing electronic machine diagnostics.

N

The machine shall have a cab that tilts to the rear by an individual using hand tools and shall expose all pumps, motors, valves and lines. Cab shall be held in place when tilted by a self latching mechanism.

N

The machine shall not have any required daily maintenance points that require lifting of the cab structure.

N

Machine shall have a vented, steel, rear door, with a bumper that slightly protrudes beyond the door, in order to prevent damage to engine compartment component

N

The rear door shall open to provide for easy access to both sides of the engine without the need for hand tools.

N

A removable belly pan section in the floor of the machine's lower frame shall provide excellent access for periodic cleaning

N

All filters shall be easily accessible from the ground, which makes routine service quicker and virtually spill free.

N

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#### MINIMUM SERVICE FILL CAPACITIES

50 gal

Y  N The machine shall have a hydraulic oil tank capacity of at least 6.9 gal (26.0 L).  
 Y  N Hydraulic system shall hold 10.8 gal (41.0 L).  
 Y  N Fuel tank shall hold 36.0 gal (136.1 L).  
 Y  N Engine crankcase shall hold 2.4 gal (9.0 L).  
 Y  N Engine cooling system shall hold 4.6 gal (17.5 L).  
 Y  N Diesel Exhaust Fluid system shall hold no less than 2.9 gal (11L)

#### OWNING AND OPERATING COSTS

Y  N Extended life coolant shall be standard  
 Y  N The machine shall have recommended 500-hour engine oil change intervals.  
 Y  N The machine shall be equipped with hydraulic oil that can achieve 6000 hour life with regular oil sampling and recommended filter changes.

Y  N The machine shall be treated with a factory applied corrosion inhibitor coating to protect the machine surfaces, including components under the cab and in the engine compartment, when exposed to corrosive environments such as manure, fertilizer, salt, mining fluids, etc.)

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## MANDATORY BIDSHEET

COMPANY NAME: Rent Me I LLC

ADDRESS: 108 Campbells creek rd Mendenhall MS. 39114

TELEPHONE: 601-645-2217

FAX NUMBER: \_\_\_\_\_

EMAIL: Service@rent me LLC. com

Drew Padgett 12-10-25

AUTHORIZED REPRESENTATIVE'S SIGNATURE

DATE

Drew Padgett / CEO/President

PRINTED AUTHORIZED REPRESENTATIVE'S NAME HERE

PROPOSAL SHEET MUST BE SIGNED AND DATED BY AN AUTHORIZED COMPANY REPRESENTATIVE

MUST INCLUDE PRODUCT SUMMARY, INCLUDING DETAILS OF ALL FEATURES AND OPTIONS  
OF PROPOSED VEHICLE