

# **TOWN OF HENNIKER, NEW HAMPSHIRE**

18 DEPOT HILL RD • HENNIKER, NH • 03242 • (603) 428-3221 • FAX 428-4366



## **TEN WHEEL TRUCK Cab and Chassis**

### CONTAINING:

- LEGAL NOTICE OF BID
- SPECIFICATIONS
- BID FORM
- GENERAL CONDITIONS

TOWN OF HENNIKER, NH  
HIGHWAY DEPARTMENT

**LEGALNOTICE  
TOWN OF HENNIKER, NH  
INVITATION TO BID  
TEN WHEEL TRUCK / PLOW And WING / MULTI PURPOSE BODY  
February 7,2024 @ 9:00AM**

**Sealed bids for the purchase Ten Wheel Truck , Cab and Chassis, by the Town of Henniker, will be received at the Town Hall, Secretary's Office,18 Depot Hill Road, Henniker, New Hampshire 03242 until 9:00AM prevailing time, on February 7, 2024, at which time they will be publicly opened.**

**The bid shall be submitted in a sealed envelope, addressed to the Town of Henniker, Highway Department and clearly marked in the lower left-hand corner "Plow Truck". No electronic bid documents will be accepted.**

**The bid document will be available at the Highway Department, at 209 Ramsdell Road beginning January 22, 2024.**

**The Town of Henniker reserves the right to accept or reject any and all bids or any part thereof, and to waive any minor informality as it deems to be in the best interest of the Town. The Town also reserves the right to conduct reasonable negotiations with low bidders and sole bidders. Failure to submit all information may declare a bid as non- responsive and subject to disqualification.**

**Superintendent of Highway  
Town of Henniker, NH**

## SPECIFICATIONS

Henniker Highway Department  
Henniker, New Hampshire

### Truck Chassis 2024 specifications

January 19, 2024

#### Prepared For:

Town of Henniker  
Leo Aucoin  
18 Depot Hill Rd.  
Henniker, NH 03242  
(603)428-7200



<b>AXLE CONFIG:</b>	6X4
<b>MISSION:</b>	Requested GVWR: 66000. Calc. GVWR: 66000
<b>DIMENSION:</b>	Wheelbase: 215.00, CA: 125.00, Axle to Frame: 75.00
<b>ENGINE, DIESEL:</b>	{Cummins X15 470 V} Productivity Series, EPA 2021, 470HP @ 1900 RPM, 1750 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 482 Peak HP (Max)
<b>TRANSMISSION AUTOMATIC:</b>	{Allison 4700 RDS} 5th Generation Controls, 7 Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway, with Two Speed Reverse
<b>CLUTCH:</b>	Omit Item (Clutch & Control)
<b>AXLE, FRONT NON-DRIVING:</b>	{Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity
<b>AXLE, REAR, TANDEM:</b>	{Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 5.38
<b>CAB:</b>	Conventional, Day Cab
<b>TIRE, FRONT:</b>	(2) 315/80R22.5 Load Range L G289 WHA (GOODYEAR), 484 rev/mile, 68 MPH, All-Position
<b>TIRE, REAR:</b>	(8) 11R22.5 Load Range H ARMOR MAX MSD (GOODYEAR), 493 rev/mile, 68 MPH, Drive
<b>SUSPENSION, REAR, TANDEM:</b>	{Chalmers 854-46H} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with (8) Torque Rods, Restrictor Cans

**PAINT:** Cab, Red

**202**

Base Chassis with 215.00 Wheelbase, 125.00 CA, and 75.00 Axle to Frame.

CROSSMEMBER, FRAME TIE for Standard Duty  
AXLE CONFIGURATION} 6x4

Notes

Pricing may change if axle configuration is changed

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield) Galvanized if available; 12.50" x 3.750" x 0.500" (317.5mm x 95.25mm x 12.7mm); 480.8" (12212mm) Maximum OAL

BUMPER, FRONT Swept Back 40-Degrees, Steel, Painted, Heavy Duty

FRAME EXTENSION, FRONT Integral; 27" in Front of Grille, Includes Crossmember for Front PTO

WHEELBASE RANGE 211" (535cm) Through and Including 256" (650cm)

AXLE, FRONT NON-DRIVING {Meritor MFS-20-133A} Wide Track, I-Beam Type, 20,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 20,000-lb Capacity, Steel Springs 18K Capacity and (2) Rubber Auxiliary Springs 2K Capacity, Less Shock Absorbers, Right side Auxiliary spring for plow application

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications Includes

BRAKE LINES Color and Size Coded Nylon

PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

PARKING BRAKE VALVE For Truck

QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

SPRING BRAKE MODULATOR VALVE SR-7 with relay valve for 6x4/8x6

TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck

AIR BRAKE ABS {Bendix Antilock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System

AIR DRYER {Bendix AD-HF} with Heater, Includes Pressure Protection Circuits, Safety Valve, Integral Purge Tank, Governor Pressure Settings 110 psi Cut-In/130 psi Cut-Out

BRAKE CHAMBERS, REAR AXLE {Bendix Ever Sure} 30/30 SqIn Spring Brake

BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn

SLACK ADJUSTERS, FRONT {Gunitite} Automatic

SLACK ADJUSTERS, REAR {Gunitite} Automatic

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR TANK Painted Aluminum, with Straight Thread O-Ring Ports

AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab DUST

SHIELDS, FRONT BRAKE for Air Cam Brakes

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

DRAIN VALVE {Berg} with Pull Chains, for Air Tanks

AIR TANK LOCATION Mounted Between the Rails, Back of Cab, Right Side, for use with Between the Rails Air Tank System

BRAKES, FRONT {Bendix Spicer ES-165-6X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity

BRAKES, REAR {Bendix Spicer ES-165-7X} Air S-Cam Type, Heavy Duty Fabricated Spider, Fabricated Shoe, Single Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type

STEERING COLUMN Tilting and Telescoping

STEERING WHEEL 4-Spoke; 18" Dia., Black

STEERING GEAR (2) {Sheppard M100/HD94} Dual Power

DRIVELINE SYSTEM {Dana Spicer} SPL250 Main Driveline with SPL170 Interaxle Shaft, for 6x4

AFTERTREATMENT COVER Aluminum

EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Cab Mounted Right Side

ENGINE COMPRESSION BRAKE {Cummins} Interbrake for Cummins Signature/ISX/ X15 Engines; Furnished with Engine

TAIL PIPE (1) Turnback Type, Bright

EXHAUST HEIGHT 10'

MUFFLER/TAIL PIPE GUARD (1) Aluminum

SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary, ON/CANCEL, Center Stable,

INHIBIT REGEN, mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF

ELECTRICAL SYSTEM 12-Volt, Standard Equipment Includes

HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel

HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

PARKING LIGHT Integral with Front Turn Signal and Rear Taillight

STARTER SWITCH Electric, Key Operated

STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted

HORN, ELECTRIC (2) Disc Style

FOG LIGHTS Prewire; Includes Auxiliary Switch and Wiring to Front Bumper, for Driving Lights or Fog Lights Mounted by Customer

HORN, AIR (2) Single Bell, Organ Tone, Extra Long, Chrome

JUMP START STUD (2) Remote Mounted

BEACON LIGHT WIRING for (2) Customer Installed Beacons, Includes 2-Way Switch

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity,

BODY BUILDER WIRING INSIDE CAB; Includes Sealed Connectors for Tail/Amber, Turn/Marker/Backup/Accessory, Power/Ground, and Stop/Turn

BATTERY SYSTEM {Fleet rite} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud

SPEAKER, AUXILIARY, CB RADIO with Jack for CB; Mounted Left Side Above Driver's Door

2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab

SPEAKERS (2) 6.5" Dual Cone Mounted in Doors

CB RADIO Accommodation Package; Header Mounted; Feeds From Accessory Side of Ignition Switch; Includes Power Source and One (1) Antenna, Antenna Base with Wiring on Left Side Mirror

RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input

TRAILER CONNECTION SOCKET {Phillips} 7-Way, Mounted at Rear of Frame, Wired for Turn Signals Independent of Stop, Compatible with Trailers with Amber or Side Turn Lamps

AUXILIARY HARNESS 5.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications

BATTERY CABLES with 36" of Extra Length Coiled and Strapped Near Battery Box

BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab

TURN SIGNAL SWITCH Self-Canceling

ACCESSORY WIRING, SPECIAL Wiring for (2) Work Lights That Customer Will Install on Top Rear Corners of Cab, with Dash Switch; Will Also Activate Standard Work Light

HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on

HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on, and Ignition Switch is in "Off" Position

Auto Cancelling Direction switch

Six (6) additional rocker switches for lighting and electric clutch

ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, with Ignition "OFF" and any Door Opened

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start HEADLIGHTS

AUTO Automatically Turn on with Low Ambient Light Levels, Feature can be Overridden.

JUNCTION BLOCK Stud, 100 Amp Battery Feed, protected by a Fusible Link, Stud to Be Used for Body Builder Feeds Inside Cab

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

HEADLIGHTS Halogen, Composite Combination

BATTERY WIRING MODIFICATION Battery Discharge Protection System: Control thru Body Controller

LIGHT, WORK LED, Pedestal Mounted, Back of Cab, with Switch on Instrument Panel BATTERY

DISCONNECT SWITCH 300 Amp, Disconnects Power to Power Distribution

Center (PDC), Does Not Disconnect Charging Circuits, Locks with Padlock, Cab Mounted

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

FRONT END Tilting, Composite

- Dual Access Hatches for Fluid Check and Fills with dip stick and fill extensions

GRILLE Chrome Vertical Accent Bars, with Black Mesh

PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

PAINT CLASS Premium Color RED

PROMOTIONAL PACKAGE Government Silver Package

GCWR RANGE GCWR Equal to or Less than 80,000-lb, Higher GCWR May Result in Reduced Engine Performance While Operating in Extreme Hot Weather Conditions

CLUTCH Omit Item (Clutch & Control)

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection



**202**

PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted

ENGINE, DIESEL {Cummins X15 470 V} Productivity Series, EPA 2021, 470HP @ 1900 RPM, 1750 lb-ft Torque @ 950 RPM, 2000 RPM Governed Speed, 482 Peak HP (Max)

FAN DRIVE {Horton Drive master} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed

Includes

FAN Nylon

AIR CLEANER Single Element, with Integral Pre-Cleaner, Integral Snow Valve and In-Cab Control, Engine Mounted

FEDERAL EMISSIONS {Cummins X15} EPA, OBD and GHG Certified for Calendar Year 2021

FAN OVERRIDE Manual; with Electric Switch on Instrument Panel, (Fan On with Switch On)

HOSE CLAMPS, RADIATOR HOSES, Mechanical Type; with Constant-Tension Functionality

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

RADIATOR DRAIN & FILL FITTING SPECIAL; To Vacuum Out or Fill the Cooling System from the Bottom of Radiator, for Use with Quick-Connect Radiator Drain Tool or Shop Coolant Evacuation-Fill System

EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations

RADIATOR Aluminum, Welded, Cross Flow, Front to Back System, 1084 SqIn, with 866 SqIn Charge Air Cooler

Includes

RADIATOR HOSES Premium, Rubber

TRANSMISSION, AUTOMATIC {Allison 4700 RDS} 5th Generation Controls, 7 Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway, with Two Speed Reverse

OIL COOLER, AUTO TRANSMISSION {Champ} Remote Mounted

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

TRANSMISSION OIL Synthetic; 63 thru 76 Pints

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223

SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming

AXLE, REAR, TANDEM {Meritor RT-46-164EH} Single Reduction, Standard Width, 46,000-lb Capacity, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 5.38

SUSPENSION, REAR, TANDEM {Chalmers 854-46H} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with (8) Torque Rods, Restrictor Cans

FUEL TANK STRAPS Bright Finish Stainless Steel

FUEL/WATER SEPARATOR {Racor} Fuel Pre-Filter and Filter Base, Includes Water-In- Fuel Sensor

FUEL HEATER {Cummins} Plumbing for Thermal Recirculation Valve (TRV) Mounted to Cummins X15 Engines, Thermostatically Controlled

FUEL TANK Non-Polished Aluminum, 24" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab

DEF TANK 10.6 US Gal (40L) Capacity, Frame Mounted Outside Left Rail, Under Cab CAB Conventional, Day Cab

Includes

CAB REAR SUSPENSION Air

CLEARANCE/MARKER LIGHTS (5) LED Roof Mounted

COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window

CONSOLE, CENTER Includes Two Cup Holders and One Additional Storage Area

CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

COURTESY LIGHT (2) Driver and Passenger Door Mounted

DOME LIGHT, CAB Rectangular, Door and Instrument Panel Mounted Switch Activated, Timed Theater Dimming, Center Mounted, Integral to Console

FLOOR COVERING Rubber, Black

GLASS, ALL WINDOWS Tinted

GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side

GRAB HANDLE, CAB INTERIOR (4) "B" Pillar and Door Mounted, Two Each Side

READING LIGHT, CAB Located in Overhead Console

STORAGE POCKET, DOOR (2) Full Length, Driver and Passenger Door

AIR CONDITIONER with Integral Heater and Defroster

Includes

HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

GAUGE CLUSTER Premium Level: English with English Speedometer and Tachometer, for Air Brake Chassis, Includes Engine Coolant Temperature, Primary and Secondary Air Pressure, Fuel and DEF Gauges, Oil Pressure Gauge, Includes 5 Inch LCD Color Display

Includes

GAUGE CLUSTER DISPLAY, Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for Fuel/DEF, DPF Level

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {ISRI} Series 300, Air Suspension, High Back, Mordura, Single Chamber Lumbar, Inboard Armrest, Suspension Cover, Fore/Aft Isolator, Cushion Extension, Seat Tilt

GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar

SEAT, PASSENGER {Seats, Inc.} Non Suspension, High Back, Fixed Back, Integral Headrest, Mordura Cloth, for use with Batteries in Cab

MIRRORS (2) C-Loop, Power Adjust, Heated, LED Clearance Lights, Bright Headsand Arms, 7.5" x 14" Flat Glass, Includes 7.5" x 7" Convex Mirrors, for 102" Load Width

Notes

Mirror Dimensions are Rounded to the Nearest 0.5"

MIRROR, CONVEX, HOOD MOUNTED (2) Right and Left Sides, Bright, 7.5" x 7"

CAB INTERIOR TRIM Diamond, for HX Day Cab

Includes

DOOR TRIM, INTERIOR Bright Handle

INSTRUMENT PANEL TRIM Black, Black Gauges with Black Bezels

SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

WINDSHIELD Heated, Single Piece

HOSE CLAMPS, HEATER HOSE {Breeze} Belleville Washer Type

WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

MODESTY PANEL Painted Body Color, with LED Lights, for Day Cab

INSTRUMENT PANEL Wing Panel

ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper Cab

SUNSHADE, EXTERIOR Bright Finish, with Integral Clearance/Marker Lights

WINDSHIELD WIPER BLADES Snow Type

WHEELS, FRONT {Alcoa 89U63} DISC; 22.5x9.00 Rims, Mirror Polish Aluminum, 10- Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs, Non-Standard Offset 4.06"

WHEELS, REAR {Accuride 42644} DUAL DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10- Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(8) TIRE, REAR 11R22.5 Load Range H ARMOR MAX MSD (GOODYEAR), 493 rev/mile, 68 MPH, Drive

(2) TIRE, FRONT 315/80R22.5 Load Range L G289 WHA (GOODYEAR), 484 rev/mile, 68 MPH, All-Position

**Services Section:**

WARRANTY Standard, Effective with Vehicles Built January 1, 2024, or Later, CTS-2015B  
Please list any extended Warranty Available and cost as an option.

