

REQUEST FOR BIDS

SINGLE AXLE BLADE TRUCK AND EQUIPMENT



Department of Public Services

1015 S Lincoln Avenue

Three Rivers, MI 49093

(269) 273-1845

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Bidding Information

Performance Bids

The City of Three Rivers is committed to the concept of performance bids. All vendors are encouraged to submit bids which conform to the stated specifications, as well as, suggest deviations from the specifications, which in the vendor's opinion would be beneficial to the City in terms of price and performance. The City reserves the right to accept or reject any bid under these terms.

I. Instructions

- A. Bids must be typewritten or clearly printed in ink and signed by a duly-authorized representative of the firm submitting the quote.
- B. Bids must be submitted in sealed envelopes, clearly marked on the outside, "**Single Axle Blade Truck**".
- C. Bids will be received by the Office of the City Clerk, City Hall, 333 West Michigan Avenue, Three Rivers, Michigan, 49093, until **2:00 p.m. local time, Thursday, December 2, 2021**. All bids will be date stamped and time marked when received.
- D. Faxed or emailed bids shall not be accepted.
- E. If you received this document from our website, you must e-mail your contact information to aroeth@threeriversmi.org so you are placed on the bidders list for addenda.

II. Conditions Applicable to Bids

- A. Applicable Laws: The Ordinances and Charter of the City and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- B. Taxes: The City of Three Rivers is generally exempt from Federal Excise and Michigan State Sales Tax. Prices should not include tax.
- C. If the bidder elects to deviate from the specifications stated, all exceptions or other changes must be clearly noted.
- D. The City reserves the right to reject any and all bids, waive informalities or defects in bids, or accept such bids as it shall deem to be in the best interest of the City of Three Rivers.
- E. The City does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.
- F. The Bidder shall provide a completed W-9 form with this bid.
- G. The City plans to award the equipment purchase at the **December 21, 2021** Commission meeting.
- H. A guarantee delivery date for the shipper shall be noted on the bid on the space provided. If product(s) are not delivered on or before said date, City reserves the right to cancel the order with no financial obligation to the vendor.
- I. If you have any further questions, please contact Amy Roth, at 269-273-1845 or e-mail inquiries to aroeth@threeriversmi.org.

- J. Delivery shall be made as soon as possible after award. Bidder shall state delivery time. Bids shall be based upon F.O.B. delivery to the City of Three Rivers.
- K. Terms are net 30 days from date truck is completed and in City's possession. However, payment may be withheld, in whole or in part, pending correction of any defects, or delivery of manuals, or delivery of spare parts.
- L. This purchase is being financed, so bidder shall be prepared to complete the signatures needed for financing paperwork prior to receiving payment for the truck.

Bid Form

The undersigned having familiarized (himself/themselves) with the local conditions affecting the cost of the product and the Contract Documents hereby proposes to provide and furnish all labor, materials, tools, equipment, utility and transportation services necessary to perform and complete all work required in accordance with the specifications as prepared by the Department of Public Services, City of Three Rivers, Michigan, for, including Addenda No. ____ issued thereto, the following unit prices:

Single Axle Blade Truck Bid

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

SIGNATURE _____ TITLE _____

TELEPHONE _____ DATE _____

BID AMOUNT (INCLUDING APPLIED DISCOUNTS) _____

E-MAIL _____

Specifications for Single Axle Blade Truck

General

It is the intent of these specifications to describe a **single axle cab and chassis for use as a plow truck**.

The below listed specifications and instructions are in no way intended to eliminate any company, vendor, bidder or product from the bid process. It is the sole intent of these specifications and instructions to describe a **single axle cab and chassis** that will be the best product available to the City of Three Rivers and its residents.

Truck Bids

The bid is for two (2) single axle cab and chassis trucks.

No trade-ins are involved.

Inspections

The successful bidder to whom award is made shall allow representatives of the City of Three Rivers to inspect the unit at truck dealership prior to installation of auxiliary equipment.

The following minimum specifications are for a cab and chassis capable of being upfitted into a nominal 5-yard single axle dump truck furnished complete with an underbody scraper, snow plow hitch, dump box, and other appurtenances. Components shall be furnished with controls installed complete and ready for operation. The truck shall be the manufacturer's current model under standard production and shall be supplied with all necessary operating accessories customarily furnished whether specified herein or not. Specifications are based on the **Freightliner Model #108SD**.

Bidders must submit with their proposal, notating any deviations, complete specifications on the unit they propose to furnish. Noted deviations shall be in the order of the truck items listed below and denoted in the respective category for ease of comparison.

Minimum Overall Truck Requirements

Vehicle Configuration

- 108SD CONVENTIONAL CHASSIS
- 2023 MODEL YEAR SPECIFIED
- SET BACK AXLE - TRUCK
- TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK
- LH PRIMARY STEERING LOCATION

General Service

- TRUCK/TRAILER CONFIGURATION
- DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)
- UTILITY/REPAIR/MAINTENANCE SERVICE
- GOVERNMENT BUSINESS SEGMENT
- DIRT/SAND/ROCK COMMODITY
- TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- MAXIMUM 8% EXPECTED GRADE
- SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
- FREIGHTLINER SD VOCATIONAL WARRANTY
- EXPECTED FRONT AXLE(S) LOAD : 18180.0 lbs
- EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs
- EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 41180.0 lbs
- EXPECTED GROSS COMBINATION WEIGHT : 58000.0 lbs

Truck Service

- BELLY PLOW BODY WITH HIGH GROUND CLEARANCE
- MONROE TRUCK EQUIPMENT

Engine

- CUM L9 330 HP @ 2200 RPM; 2200 GOV RPM, 1000 LB-FT @ 1200 RPM

Electronic Parameters

- 68 MPH ROAD SPEED LIMIT
- CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
- PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED
- PTO MODE CANCEL VEHICLE SPEED - 5 MPH
- PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
- PTO MINIMUM RPM - 700
- REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment:

- 2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG21 CONFIGURATION

- 2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)
- STANDARD OIL PAN
- ENGINE MOUNTED OIL CHECK AND FILL
- SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER AND INSIDE/OUTSIDE AIR WITH SNOW DOOR
- DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE
- (3) DTNA GENUINE, FLOODED STARTING AND CYCLING, MIN 2100CCA, 570RC, THREADED STUD BATTERIES
- BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL
- STANDARD BATTERY JUMPERS
- SINGLE BATTERY BOX FRAME MOUNTED LH SIDE BACK OF CAB
- WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
- NON-POLISHED BATTERY BOX COVER
- CAB AUXILIARY POWER CABLE
- POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER
- CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
- ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM
- CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF
- RH OUTBOARD FRAME MOUNTED VERTICAL AFTERTREATMENT SYSTEM ASSEMBLY WITH TOPSTACK
- ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH
- 10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
- STANDARD CURVE BRIGHT UPPER STACK(S)
- RH CURVED TOPSTACK
- 13 GALLON DIESEL EXHAUST FLUID TANK
- 100 PERCENT DIESEL EXHAUST FLUID FILL
- STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
- NON-POLISHED ALUMINUM DIAMOND PLATE DIESEL EXHAUST FLUID TANK COVER
- LH FORWARD FACE OF DIESEL EXHAUST FLUID TANK 48 TO 52 INCHES BACK OF CAB
- STANDARD DIESEL EXHAUST FLUID TANK CAP
- STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD
- HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE
- AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED
- CUMMINS SPIN ON FUEL FILTER
- COMBINATION FULL FLOW/BYPASS OIL FILTER
- 1115 SQUARE INCH ALUMINUM RADIATOR
- ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
- GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
- CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
- RADIATOR DRAIN VALVE

- 1310 ADAPTER FLANGE FOR FRONT PTO PROVISION
- PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER
- CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
- ELECTRIC GRID AIR INTAKE WARMER
- DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission:

- ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment:

- ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
- ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
- PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
- PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
- SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
- PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
- SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
- FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED
- DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
- DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS
- VEHICLE INTERFACE WIRING CONNECTOR WITH PDM AND BLUNT CUTS, AT END OF FRAME
- ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED
- CUSTOMER INSTALLED CHELSEA 280 SERIES PTO
- PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
- MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
- PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
- TRANSMISSION PROGNOSTICS - ENABLED 2013
- WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
- TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK
- SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment:

- DETROIT DA-F-20.0-5 20,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
- MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
- NON-ASBESTOS FRONT BRAKE LINING
- GUNITE CAST IRON FRONT BRAKE DRUMS
- FRONT BRAKE DUST SHIELDS

- FRONT OIL SEALS
- VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
- STANDARD SPINDLE NUTS FOR ALL AXLES
- MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
- STANDARD KING PIN BUSHINGS
- TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR
- POWER STEERING PUMP
- 4 QUART POWER STEERING RESERVOIR
- OIL/AIR POWER STEERING COOLER
- CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension:

- 20,000# TAPERLEAF FRONT SUSPENSION
- MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
- NO FRONT SUSPENSION OPTIONS
- FRONT SHOCK ABSORBERS

Rear Axle and Equipment:

- RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
- 5.63 REAR AXLE RATIO
- IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
- SPL170 XL DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES
- DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE
- (1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE
- BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH
- MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
- NON-ASBESTOS REAR BRAKE LINING
- CAM BRAKE AUXILIARY SUPPORT BRACKETS
- GUNITE CAST IRON REAR BRAKE DRUMS
- REAR BRAKE DUST SHIELDS
- REAR OIL SEALS
- BENDIX EVERSURE LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
- MERITOR AUTOMATIC REAR SLACK ADJUSTERS
- CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE
- ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S)

Rear Suspension:

- AIRLINER 23,000# REAR SUSPENSION WITH CHAIN CLEARANCE
- AIRLINER HIGH POSITION RIDE HEIGHT
- RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP
- MANUAL DUMP VALVE FOR AIR SUSPENSION WITH GAUGE
- INDICATOR LIGHT FOR EACH REAR SUSPENSION CONTROL SWITCH
- SINGLE AIR REAR SUSPENSION LEVELING VALVE
- TRANSVERSE CONTROL RODS
- REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE SUSPENSION)

Brake System:

- WABCO 4S/4M ABS
- REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
- FIBER BRAID PARKING BRAKE HOSE
- STANDARD BRAKE SYSTEM VALVES
- STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
- STD U.S. FRONT BRAKE VALVE
- RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
- BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
- AIR DRYER FRAME MOUNTED
- STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)
- BW DV-2 AUTO DRAIN VALVE WITH HEATER TO WET TANK; DRAIN VALVE CABLES ON ALL OTHER TANKS

Trailer Connections:

- AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS
- PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION
- SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
- UPGRADED CHASSIS MULTIPLEXING UNIT

Wheelbase & Frame:

- 4275MM (168 INCH) WHEELBASE
- 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
- BODY COMPANY INSTALLED ADDITIONAL FRONT FRAME REINFORCEMENT FOR SNOW PLOW
- 1525MM (60 INCH) REAR FRAME OVERHANG
- FRAME OVERHANG RANGE: 51 INCH TO 60 INCH
- 24 INCH INTEGRAL FRONT FRAME EXTENSION
- CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 102.76 in
- CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 80.32 in
- CALC'D FRAME LENGTH - OVERALL : 293.47 in
- CALCULATED FRAME SPACE LH SIDE : 19.29 in
- CALCULATED FRAME SPACE RH SIDE : 168.31 in
- CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in
- SQUARE END OF FRAME
- FRONT CLOSING CROSSMEMBER
- LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER
- STANDARD MIDSHIP #1 CROSSMEMBER(S)
- STANDARD REARMOST CROSSMEMBER
- HEAVY DUTY SUSPENSION CROSSMEMBER

Chassis Equipment:

- 14 INCH PAINTED STEEL SEVERE DUTY BUMPER

- FRONT TOW HOOKS - FRAME MOUNTED
- GRADE 8 THREADED HEX HEADED FRAME FASTENERS INSTALLED WITH BOLT HEADS ON OUTSIDE OF FRAME
- EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE & SECONDARY COVERING

Fuel Tanks:

- 60 GALLON/227 LITER RECTANGULAR ALUMINUM FUEL TANK - LH
- RECTANGULAR FUEL TANK(S)
- POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED ZINC-PLATED STEEL BANDS
- FUEL TANK(S) FORWARD - RAISED MOUNTING
- POLISHED STEP FINISH
- FUEL TANK CAP(S)
- DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"
- EQUIFLO INBOARD FUEL SYSTEM
- HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

Tires:

- MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
- MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES

Hubs:

- CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
- CONMET PRESET PLUS PREMIUM IRON REAR HUBS

Wheels:

- ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25 INSET 5-HAND STEEL DISC FRONT WHEELS
- ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND HD STEEL DISC REAR WHEELS
- FRONT WHEEL MOUNTING NUTS
- REAR WHEEL MOUNTING NUTS
- NO PUSHER/TAG WHEEL MOUNTING NUTS
- ALLIGATOR/V2B DUAL SEAL INFLATOR CAPS, FRONT AND REAR

Cab Exterior:

- 108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
- AIR CAB MOUNTING
- CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS
- NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
- SHORT FENDER WITH MUDFLAP
- BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS
- LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT
- BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL
- STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS
- CHROME HOOD MOUNTED AIR INTAKE GRILLE
- FIBERGLASS HOOD
- HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION

- SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK
- SINGLE ELECTRIC HORN
- SINGLE HORN SHIELD
- DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
- KEY QUANTITY OF 4
- REAR LICENSE PLATE MOUNT END OF FRAME
- SWITCH AND WIRING WITH STAINLESS STEEL BRACKETS MOUNTED OUTBOARD ROOF FOR (2) CUSTOMER FURNISHED BEACONS
- HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS
- LED AERODYNAMIC MARKER LIGHTS
- INTEGRAL STOP/TAIL/BACKUP LIGHTS WITH 7 EXTRA FEET OF WIRE MOUNTED AT END OF FRAME
- STANDARD FRONT TURN SIGNAL LAMPS
- SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS RH BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)
- DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
- DOOR MOUNTED MIRRORS
- 102 INCH EQUIPMENT WIDTH
- LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
- RH DOWN VIEW MIRROR
- STANDARD SIDE/REAR REFLECTORS
- FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399
- AERO BRIGHT EXTERIOR SUN VISOR
- 63X14 INCH TINTED REAR WINDOW
- TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
- RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)
- 1-PIECE SOLAR GREEN GLASS WINDSHIELD
- 8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR

Cab Interior:

- OPAL GRAY VINYL INTERIOR
- MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR
- MOLDED PLASTIC DOOR PANEL WITHOUT VINYL INSERT WITH ALUMINUM KICKPLATE LOWER DOOR
- BLACK MATS WITH SINGLE INSULATION
- NO DASH MOUNTED ASH TRAYS AND LIGHTER
- FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING
- IN DASH STORAGE BIN
- CENTER STORAGE CONSOLE MOUNTED ON BACKWALL
- (2) CUP HOLDERS LH AND RH DASH
- GRAY/CHARCOAL FLAT DASH
- SMART SWITCH EXPANSION MODULE

- 2-1/2 LB. FIRE EXTINGUISHER
- HEATER, DEFROSTER AND AIR CONDITIONER
- STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE
- MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
- STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY
- VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR
- BINARY CONTROL, R-134A
- PREMIUM INSULATION
- SOLID-STATE CIRCUIT PROTECTION AND FUSES WITH SPARE FUSE KIT
- 12V NEGATIVE GROUND ELECTRICAL SYSTEM
- DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF
- LH AND RH ELECTRIC DOOR LOCKS
- (1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH
- TRIANGULAR REFLECTORS WITHOUT FLARES
- PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK
- BASIC ISRINGHAUSEN HIGH BACK NON SUSPENSION TOOL BOX PASSENGER SEAT
- DUAL DRIVER SEAT ARMRESTS AND INBOARD PASSENGER SEAT ARMREST
- LH AND RH INTEGRAL DOOR PANEL ARMRESTS
- BLACK MORDURA CLOTH DRIVER SEAT COVER
- BLACK MORDURA CLOTH PASSENGER SEAT COVER
- HIGH VISIBILITY ORANGE SEAT BELTS
- ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
- 4-SPOKE 18 INCH (450MM) STEERING WHEEL
- DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls:

- GRAY DRIVER INSTRUMENT PANEL
- GRAY CENTER INSTRUMENT PANEL
- BLACK GAUGE BEZELS
- LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
- 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
- INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS
- 97 DB BACKUP ALARM MOUNTED INBOARD OF RAIL
- ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
- KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
- ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED
- HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
- 2 INCH ELECTRIC FUEL GAUGE
- PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
- SINGLE REAR AXLE TEMPERATURE GAUGE WITH SENSOR SHIELD
- ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
- 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE

- ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
- (1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP
- ELECTRIC ENGINE OIL PRESSURE GAUGE
- OVERHEAD INSTRUMENT PANEL
- AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939
- DASH MOUNTED RADIO
- (2) RADIO SPEAKERS IN CAB
- POWER AND GROUND WIRING PROVISION OVERHEAD
- ROOF/OVERHEAD CONSOLE CB RADIO PROVISION
- MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM
- ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
- STANDARD VEHICLE SPEED SENSOR
- ELECTRONIC 3000 RPM TACHOMETER
- (2) TMC RP 1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND DASH B PANEL AND (1) LOCATED PASSENGER SIDE OF DASH
- IGNITION SWITCH CONTROLLED ENGINE STOP
- FIVE ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS; FOUR WIRE TO CHASSIS AT BACK OF CAB, ONE UNWIRED, LABEL ALL OPT
- BW TRACTOR PROTECTION VALVE
- TRAILER HAND CONTROL BRAKE VALVE
- DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
- MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH AND DUAL CONNECTORS AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LIGHTS, LOW BEAMS OFF WITH HIGH BEAMS
- TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR
- SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
- INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design:

- PAINT: ONE SOLID COLOR

Color:

- CAB COLOR A: L6389EY OMAHA ORANGE ELITE EY
- BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
- POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)
- STANDARD BLACK BUMPER PAINT
- STANDARD E COAT/UNDERCOATING

Certification/Compliance:

- U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

Raw Performance Data:

- CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 80.32 in
- CALC'D SPACE AVAILABLE FOR DECKPLATE : 120.45 in

Warranty:

Unit shall be warranted free from defects for 2 years, unlimited miles. Engine shall be warranted for 2 years/250,000 miles. Transmission shall have 3 year unlimited mileage warranty. Warranties shall include parts and labor. Other warranties may be listed as options with prices.

Manuals:

One set for the total truck order is required, and shall include manufacturer's manuals for operation and maintenance; parts; the engine; the electrical system including schematics; the transmission; the antilock brakes; and major components. Furnish same online as available. Furnish engine diagnostic software. Furnish one copy of the manufacturer's line sheet for each truck.

Delivery

Guaranteed delivery date _____

Truck shall be furnished fully serviced and assembled, including equipment listed in this bid document.

Warranty

Provide information on the warranty covering the truck and equipment for materials and workmanship, cost of warranty is to be included in the bid price.

Distributor or representative shall provide the closest location to the City of Three Rivers for a parts and service facility.

Indicate location of service/parts facility

The distributor facility must have adequate stock of parts and mechanics trained to work on their mowers.

No contract or sub-let maintenance and or warranty service shall be acceptable. **NO EXCEPTIONS.**