



19 Parnell St., PO Box 180
Calabogie ON K0J 1H0
613-752-2222

TENDER NO PW 10-2022

Tandem Cab and Chassis with Dump Body

TENDER CLOSING DATE: Thursday, June 9, 2022 @ 1:00 p.m.
Sealed in an envelope and clearly marked
TENDER NO PW 10-2022 and addressed to -
Steve Inwood, Public Works Supervisor
19 Parnell St., P.O. Box 180,
Calabogie, ON K0J 1H0

OPENING DATE: Thursday, June 9, 2022 @ 1:05 p.m.

DELIVERY LOCATION: Township of Greater Madawaska – Calabogie Garage
12470B Lanark Road, Calabogie, ON

DELIVERED BY: To Be Determined

COMPANY BIDDING: _____

ADDRESS _____

POSTAL CODE: _____

EMAIL ADDRESS: _____

TELEPHONE: _____

LOWEST OR ANY TENDER NOT NECESSARILY ACCEPTED

TENDER NO PW 10-2022
Township of Greater Madawaska
Tandem Cab and Chassis with Dump Body

Name of Individual or Firm: _____
(Hereafter referred to as the
"Contractor")

Address: _____

Signature of Person
Signing for Firm: _____

Date: _____

Office of Person
Signing for Firm: _____

Witness or Firm Seal: _____

TOTAL TENDER: _____
(Including Applicable Taxes)

All bidders who download any bid opportunity from the Township of Greater Madawaska Web Page are to check the page often for any changes or addendums. It is the bidders' sole responsibility to access the Web Page and download any changes or addendums to any bid opportunity. Any bids received that do not include posted addendums and/or change notices may be rejected.

TENDER NO PW10-2022
Township of Greater Madawaska
Tandem Cab and Chassis with Dump Body

Accessibility Declaration

In submitting this tender/quotation, I/we, on behalf of _____
certify the following: (legal name of company)

- a) As employer and **Consultant OR Constructor** for this project, I/we agree to remain in compliance with the requirements of the "Accessibility For Ontarians With Disabilities Act, 2005", including Ontario Regulation 191/11 and Ontario Regulation 429/07.

Dated on _____ day of _____, 2022.

(Authorized Signing Officer)

(Title)

TENDER NO PW10-2022
Township of Greater Madawaska
Tandem Cab and Chassis with Dump Body

PROCEDURES

1. All inquiries, concerning the Tender, prior to the Tender closing, shall be directed to Steve Inwood, Public Works Supervisor, 613-752-1442.
2. Notification of Acceptance of Tender will be by telephone and written form of the notice, to the address of the Contractor used on the bid forms. The date of Acceptance shall be deemed to be the date of receipt of the Acceptance Notice by the contractor.
3. A Tender may be voided by superseding it with a later Tender or letter of withdrawal, prior to the closing date and time.

SPECIAL PROVISIONS

1. All relevant documentation must be provided with the tender package.
2. Operator's Manual and Line Ticket to be supplied.
3. All Trouble Shooting, Service, Maintenance and Electrical Service Manuals shall be supplied in hard copy and electronic, either stick or cd format.
4. Backup sound alarm shall be mounted in the pintle plate.
5. A plastic license plate light and plate holder shall be supplied to prevent dissimilar metal electrolysis.
6. A Flare Kit shall be supplied.
7. Any cables or hoses that pass through the floor wells of the cab shall be guarded with rubber grommet and sealed with a rubber diaphragm or caulking.
8. Warranty Information must be included, what is covered and for how long.
9. Demos under 1,500 km will be accepted.
10. Trailer prep packages must be included.

BASIS OF REJECTION OF TENDER

Tenders not conforming to the following requirements will be disqualified:

1. Tender must be legible, in ink or by printer.
2. Tender must be in possession of the Township by the closing date and time.
3. Tender must be on form provided and not restricted or modified in any way. Tender must be signed and sealed by an authorized official of the bidding organization. A joint tender must be signed and sealed by each company.

TANDEM CAB AND CHASSIS

SPECIFICATIONS AND REQUIREMENTS

General Description

2023 Model Year

Make _____

Model _____

VEHICLE WEIGHT

GVWR - 68,000 lbs.

The allowable GVWR as supplied shall be shown on a metal or mylar tag

YES _____

NO _____

WHEELBASE

State Wheelbase. Must be compatible with body and options as specified

Wheelbase: _____

CA DIMENSION

State CA dimension. Must be compatible with body and options as specified

CA Dimension: _____

FRAME

A full-length frame constructed of Heat Treated Alloy Steel shall be provided.

YES _____

NO _____

Shall be single frame construction

YES _____

NO _____

Resisting bending moment (RBM) shall be 3,350,000 in.-lbs. minimum

YES _____

NO _____

Section modulus shall be 26.83 minimum

YES _____

NO _____

Two (2) front and two (2) rear tow hooks shall be installed and shall be rated for the capacity of the truck

YES _____

NO _____

Mudflaps shall be mounted off the chassis frame, behind and in front of the rear wheels. The mudflaps in front of the front drive axle must be springloaded. Shall include front wheel mud flaps and fender extensions to to keep snow and ice off the vehicle.

YES _____

NO _____

Trailer Prep Package YES _____ NO _____

All major components mounted to the frame shall be affixed with Grade 8 Huck bolt fasteners YES _____ NO _____

Mounting of a 25mm (1") thick pintle plate and pintle hitch with hardware and backup light shall be installed with glad hands. The glad hands are to be mounted on the lower part of the box, not through the hitch. YES _____ NO _____

ENGINE

Engine shall meet current emissions standards YES _____ NO _____

Engine shall be a Cummins L9 YES _____ NO _____

Engine shall have a rated minimum gross HP of at least 380 hp @ 1900 RPM YES _____ NO _____

Engine shall have a peak torque rating of a minimum of 1250 lb-ft @ 1400 RPM YES _____ NO _____

Engine compression brake for Cummins engines with selector switch and on/off switch shall be installed (Known as a Jake Brake) – 3 Stage YES _____ NO _____

Engine and transmission fluid shall be capable of being checked by operator while the operator is on the ground YES _____ NO _____

Engine shall be equipped with a removalbe element full flow oil filter YES _____ NO _____

An electric starter with thermal over-crank protection shall be installed YES _____ NO _____

The exhaust system shall meet sound levels of less than 84 dBA at 1600 RPM inside the cab YES _____ NO _____

The exhaust system shall be equipped with heat shield that must be vertically mounted on the right side with sufficient extension to clear the equipment with a turnback type, non-bright tailpipe YES _____ NO _____

A Phillips 120V/1250W engine block heater shall be installed YES _____ NO _____

Engine ratings must be set at the time of engine manufacture. Engines with locally altered ratings are not acceptable YES _____ NO _____

A heavy duty fuel water separator with heater and sight glass mounted outside the left frame rail behind car shall be supplied and mounted. Conmet CM-99-327DD or approved equivalent. The heater shall be capable of being shut off. YES _____ NO _____

TRANSMISSION

Transmission shall be a Manual 18 Speed YES _____ NO _____

Transmission must have a spot for PTO YES _____ NO _____

AXLES

Front axle shall be of setback design (SBA) YES _____ NO _____

Front axle shall be a Meritor MFS-22-133A (22,000 lbs capacity) YES _____ NO _____

Rear axle shall be tandem with driver controlled differential lockout in both rear axles YES _____ NO _____

Rear axle shall be a Meritor RT-46-164EH (46,000 lbs capacity) YES _____ NO _____

SUSPENSION

Front suspension shall be parabolic, taper leaf with rubber auxiliary spings, with shock absorbers (22,000 lbs capacity) YES _____ NO _____

Rear suspension shall be Hendrickson HMX-460-54 Walking Beam Type (46,000 lbs capacity) With four (4) rear shock absorbers YES _____ NO _____

BRAKES

System to comply with the Canadian Motor Vehicle Safety Standards and the Regulations thereunder in effect on date of chassis manufacture and shall include the following:

Full air actuated service brakes and spring applied parking brakes shall be installed. The air brake system shall conform to CMVSS 121 Regulations. YES _____ NO _____

An air compressor with 18.7 CFM minimum shall be installed YES _____ NO _____

Air tanks shall be mounted under cab outside of left rail YES _____ NO _____

A four (4) channel Anti-lock brake system (ABS) and traction control shall be installed. YES _____ NO _____

Vehicle shall include air brakes with Meritor automatic slack adjusters YES _____ NO _____

Long stroke brake chambers shall be factory installed YES _____ NO _____

Brake housing dust shields shall be installed YES _____ NO _____

Park brake, air maxi-brake (spring brake) type on all rear air chambers shall be installed YES _____ NO _____

Brake stroke indicators shall be installed YES _____ NO _____

All brake components must be mounted high up in the frame rails providing maximum ground clearance YES _____ NO _____

All air brake chambers shall be designed and installed in order to prevent moisture and dirt from entering the air brake chambers YES _____ NO _____

All air tanks shall have a manual valve with a cable to drain moisture from the air tanks. The cables shall be located in such a position as to reduce ice build up and cables shall be easily accessible to the operator on the side of the truck. YES _____ NO _____

A Bendix AD-9 automatic air dryer with heater shall be installed. YES _____ NO _____

STEERING

Dual power steering shall be installed YES _____ NO _____

Tilting, telescopic steering column shall be installed YES _____ NO _____

RIMS AND TIRES

Rims shall be Heavy Duty, five (5) hand hole design YES _____ NO _____

Rims shall be hub piloted and 22.5" rim size in order to fit tire sizes and meet minimum axle ratings YES _____ NO _____

Rims shall be aluminum YES _____ NO _____

Tires shall be brand new "first line", Tier 1 Radial. YES _____ NO _____

RIMS AND TIRES continued

Front tires shall be Michelin 425/65R22.5 XZY-3, Load Range L YES _____ NO _____

Rear Tires shall be Michelin 11R22.5 XDN-2, Load Range H YES _____ NO _____

ELECTRICAL AND LIGHTING

Weather guarded manufacturer's standard 12-volt electrical system shall be provided. Electrical system shall provide stable voltage and amperage for uninterrupted operation of all installed equipment.

YES _____ NO _____

Electrical circuits shall be protected with fuses, relays or circuit breakers

YES _____ NO _____

Three (3) heavy-duty maintenance-free batteries shall be installed. Batteries shall have a combined minimum capacity of 2,775 cold cranking amps (CCA) and shall be mounted behind the cab on the right side in a box with a lid outside the frame rails and accessible for service with the dump box lowered. Splicing of battery cables is not acceptable.

YES _____ NO _____

A Leece-Neville alternator with a rated output of a minimum of 160 amps shall be installed

YES _____ NO _____

Exterior lighting shall conform to CMVSS 108. Light Emitting Diode (LED) type lamps shall be provided where available

Lighting shall include:

Halogen Headlights;

YES _____ NO _____

Parking Lights;

YES _____ NO _____

Tail Lights;

YES _____ NO _____

Turn Signal Lights;

YES _____ NO _____

Sop Lights;

YES _____ NO _____

Mid-body Signal Lights;

YES _____ NO _____

Hazard Lights;

YES _____ NO _____

Two (2) Back-up Lights;

YES _____ NO _____

Licence Plate Light;

YES _____ NO _____

Side Marker Lights;

YES _____ NO _____

Clearance Marker Lights;

YES _____ NO _____

Two (2) Pedestal Mounted Strobe Lights, one blue and one amber

YES _____ NO _____

Interior cab lighting activated by door switches shall be provided

YES _____ NO _____

A back-up alarm of 102 dBA minimum shall be installed

YES _____ NO _____

A lockable master battery disconnect switch shall be installed in the vehicle in an accessible and for service with the dump box lowered. Splicing of battery cables is not acceptable. visible area with a decal indicating its' location. The switch must be placed in a location that cannot be filled with winter material causing accelerated corrosion and must have access from the ground

YES _____ NO _____

A pre-trip exterior light inspection feature that enables the operator to visually verify all exterior lights (except back-up lights) are functioning while walking around the vehicle shall be supplied as well as wiring and plug for the trailer YES _____ NO _____

FUEL TANKS

Fuel tank capacity shall be a minimum of 379 Litres (100 US Gallons) mounted left side of chassis complete with full length non-slip steps not to extend past rear of cab YES _____ NO _____

CAB

Cab shall be a two (2) door conventional cab with a low profile hood and an unrestricted forward tilting hood. YES _____ NO _____

The PTO must have the capability of engaging and disengaging at all speeds, through an in-cab switch. YES _____ NO _____

Cab must be constructed of high strength galvanized steel YES _____ NO _____

Must be equipped with an air ride suspension YES _____ NO _____

A stationary grill shall be supplied YES _____ NO _____

Driver and passenger seats shall be a National 2000, high profile, high back with Modura cloth material and must include:

High back; YES _____ NO _____

Air Suspension; YES _____ NO _____

Fore and aft adjustment; YES _____ NO _____

Air lumbar; YES _____ NO _____

Adjustable dampening system; YES _____ NO _____

Driver's seat retractable arm rest, right side; and YES _____ NO _____

Passenger's seat retractable arm rest, left side YES _____ NO _____

Retractable three-point seatbelts YES _____ NO _____

The cab shall be equipped with a tinted and heated windshield YES _____ NO _____

The cab shall be provided with windshield wipers with at least two (2) continuous speeds and one (1) intermittent speed. YES _____ NO _____

The windshield wipers shall be provided with arctic wiper blades YES _____ NO _____

The cab shall be provided with two (2) rotating and pivoting interior sun visors YES _____ NO _____

The cab shall be provided with padded armrests on both doors, coat hooks and rubber mats	YES _____	NO _____
The cab shall be provided with powered windows	YES _____	NO _____
The cab shall be provided with a look-down mirror mounted at the top of the right hand door	YES _____	NO _____
The cab shall be mounted with an exterior stainless steel visor	YES _____	NO _____
The cab shall be provided with powered door locks	YES _____	NO _____
The cab shall be equipped with Manufacturers' premium insulation and sound suppressant material to ensure that the interior cab noise level does not exceed 74 dBA @ 1500 RPM	YES _____	NO _____
Chassis manufacturer's standard air conditioning operating on an environmentally friendly chlorofluorocarbon (CFC) free refrigerant shall be installed.	YES _____	NO _____
Shall include a high capacity cab heater with multiple fresh air intakes and shall include discharge outlets to the floor and to the windshield	YES _____	NO _____
The defroster system shall be capable of working effectively on all cab windows simultaneously (front and sides)	YES _____	NO _____
A minimum of two (2) dome lights inside the cab	YES _____	NO _____
A document compartment shall be installed	YES _____	NO _____
Stainless steel exterior grab bars shall be installed on both sides of the cab to provide safe three (3) point entrance and exit for the operator	YES _____	NO _____
A factory installed AM/FM radio with Bluetooth shall be installed and must MUTE when the transmission is in reverse	YES _____	NO _____
Two (2) stainless steel heated power mirrors shall be installed		
Stainless steel West Coast break away style - 7.55" x 14.1"	YES _____	NO _____
Power operated	YES _____	NO _____
Heated	YES _____	NO _____
LED clearance lights	YES _____	NO _____
Dual roof mounted air horns.. Shall be a minimum of 120 dBA	YES _____	NO _____

CONTROLS AND INSTRUMENTS

All instrumentation shall be clearly visible by the driver/operator while seated in the driver's seat. An adjustable instrumentation/dash light switch shall be installed.

YES _____ NO _____

The vehicle must include gauges for monitoring the following systems

- Engine oil pressure;
- Coolant temperature;
- Ammeter/Voltmeter;
- Fuel level;
- Air pressure;
- Tachometer;
- Transmission temperature; and
- Air filter restriction

YES _____ NO _____
 YES _____ NO _____
 YES _____ NO _____
 YES _____ NO _____
 YES _____ NO _____
 YES _____ NO _____
 YES _____ NO _____

Warning devices shall be provided for the following:

- Engine low oil pressure
- High coolant temperature
- High transmission temperature
- Low air pressure

	Audible	Visual
Engine low oil pressure	_____	_____
High coolant temperature	_____	_____
High transmission temperature	_____	_____
Low air pressure	_____	_____

Cruise control with fast idle feature shall be installed

YES _____ NO _____

Shall have an anti-idling provision in the engine program to limit idling to fifteen (15) minutes and shutting down thereafter. Shall be equipped with an override feature for special circumstances

YES _____ NO _____

PAINT

The vehicle shall be painted using the manufacturer's standard commercial painting system

YES _____ NO _____

The vehicle cab shall be painted Dark Safety Yellow (NAV 4017, or approved equivalent)

YES _____ NO _____

The vehicle chassis shall be painted Black

YES _____ NO _____

PARTS AND SERVICE

The successful bidder must have parts and service facilities located within an 80 kms radius of The Township of Greater Madawaska.

YES _____ NO _____

PINTLE HOOK

A Holland model PH410RA pintle hook, complete with air cushion, rated at 100,000 MGTW minimum, shall be provided and include 2 safety chain hooks.
The hook shall be bolted to a heavy duty pintle plate at the rear of the chassis.

YES _____ NO _____
YES _____ NO _____
YES _____ NO _____

HYDRAULICS

All fittings, valves, hoses and drive shaft shall be supplied and installed. All hoses shall be equipped with swivels on both ends.

YES _____ NO _____

The hydraulic reservoir shall be of sufficient capacity to supply necessary oil supply. Reservoir must not interfere with the box installation.

YES _____ NO _____

A sight gauge to allow easy checking of the hydraulic oil level in the reservoir shall be supplied.

YES _____ NO _____

REQUIREMENTS

Dump body shall be a Bibeau model BMT or equivalent, approved by the Township of Greater Madawaska prior to the closing of the tender.

YES _____ NO _____

The dump body shall be a crossmemberless type construction – smooth sides shall be provided – posts on side panels are not acceptable.

YES _____ NO _____

All welds shall be continuous.

YES _____ NO _____

Outside overall length shall be 15.5' minimum.

YES _____ NO _____

Side height shall be 48" minimum.

YES _____ NO _____

Tailgate height shall be 60" minimum.

YES _____ NO _____

Outside width shall be a maximum of 99".

YES _____ NO _____

General Body Construction:

Floor shall be 1/4" thick, manufactured from Hardox 450 hi-tensile steel – no exceptions.

YES _____ NO _____

Side panels shall be 3/16" thick, manufactured from Hardox 450 hi-tensile steel – no exceptions.

YES _____ NO _____

Tailgate shall be 1/4" thick, manufactured from Hardox 450 hi-tensile steel – no exceptions.

YES _____ NO _____

Front panel shall be 3/16" thick, manufactured from Hardox 450 hi-tensile steel – no exceptions.

YES _____ NO _____

Long-members under floor shall be 3/16" thick, manufactured from AR250 hi-tensile steel – no exceptions.

YES _____ NO _____

Floor and Understructure Support

The entire floor shall be made from a one piece steel sheet, with no seams.

YES _____ NO _____

The long sills shall be formed in a symmetrical trapezoidal design with no 90 degree bends.	YES _____	NO _____
The open width of the long sills at the floor level shall be no less than 10" with a formed lip on each side. As a result, the overall width of the long sills shall be 13" minimum.	YES _____	NO _____
This design is necessary in order to provide required floor support.	YES _____	NO _____

Sides

The side panels shall be manufactured from one piece, Hardox 450, hi-tensile steel.	YES _____	NO _____
The top rails shall be formed from the single sheet side panel. Weld-on steel tubing will not be acceptable.	YES _____	NO _____
Each top rail shall be boxed on the inside through an "L" shaped plate.	YES _____	NO _____
This plate shall be manufactured from Hardox 450 steel.	YES _____	NO _____
The front corner posts shall be constructed from break-formed steel, with no 90 degree bends.	YES _____	NO _____
The side sheets shall have no other bends, braces, posts, etc. in order to fully maintain their capability to flex and better absorb eventual loading impacts.	YES _____	NO _____

Front Panel

There shall be a doghouse in the front panel to accommodate the front lift telescopic hoist.	YES _____	NO _____
The complete doghouse shall be tapered in both it's width and depth, with no 90 degree bends.	YES _____	NO _____
The doghouse shall be no more than 12" depth.	YES _____	NO _____
The front panel shall include one(1) vertical "V" shaped corrugation on each side of the doghouse for additional rigidity.	YES _____	NO _____
The dump cylinder brackets shall be a minimum of 3/8" thick.	YES _____	NO _____
The dump body shall be equipped with rubber bumpers to prevent contact between the body and the truck frame when empty.	YES _____	NO _____
The rubber bumpers shall be located at the front panel, and be designed to compress when loaded.	YES _____	NO _____
A shovel holder shall be installed on the left side of the front panel.	YES _____	NO _____

Tailgate

Regular style tailgate no barn door style tailgate	YES _____	NO _____
The rear corner posts shall have a 7" slope for the tailgate, and shall be fully boxed.	YES _____	NO _____
The tailgate shall be constructed from a single steel panel.	YES _____	NO _____
The outer left and right sides of the tailgate shall be reinforced by 4" x 3" structural rectangular tubing minimum.	YES _____	NO _____
The top and bottom portions of the tailgate shall be supported through formed steel plate of AR450 hi-tensile steel. These braces shall be a dirt shedding design, and fully welded to the tailgate.	YES _____	NO _____

The tailgate hinges shall be manufactured from a minimum of 1" thick flame cut steel, and designed to provide an offset of not less than 7".	YES _____	NO _____
The tailgate hinges shall also be designed so as to transfer the complete weight of the tailgate off of the hinge pins when in a closed position.	YES _____	NO _____
The tailgate hinge pins shall be 1½" diameter stress proof steel minimum, and equipped with recessed grease fittings.	YES _____	NO _____
Tailgate locking pins shall be 1¼" diameter minimum.	YES _____	NO _____
A wear strip of no less than 500 Brinell shall be welded to the pin at the contact point of the tailgate hinges.	YES _____	NO _____
The tailgate latching system shall be an under-slung design only – over-slung designs are not acceptable.	YES _____	NO _____
The latches shall be equipped with grease fittings.	YES _____	NO _____
Air-operated tailgate via a 3.25" diameter x 8" stroke double acting cylinder.	YES _____	NO _____
The air tailgate cylinder shall be equipped with a 1" diameter piston rod, which must be nitrated.	YES _____	NO _____
The upper left side of the tailgate shall include mounting brackets to install a license plate, with a light to be included.	YES _____	NO _____
PROTEC tailgate safety locks shall be provided.	YES _____	NO _____
The tailgate shall also be provided with twist locks on each side, to reduce potential material spillage.	YES _____	NO _____
Tailgate Needs to have spreading Chains	YES _____	NO _____

Hoist, Trunnion and Rear Hinges

The hoist cylinder trunnion shall consist of two x 4" beams and two x 2" flame cut cradle blocks.	YES _____	NO _____
The trunnion beams shall be positioned in such a way which when welded to the 4" x 6" x 3/8" thick mounting angles, the blocks slide inside the beams providing maximum support.	YES _____	NO _____
The rear hinge blocks shall attach to a 4" x 4" x 3/8" thick steel angle.	YES _____	NO _____
The design shall be such that the fixed blocks can be tightened to clamp onto 1 7/8" stress proof hinge pins.	YES _____	NO _____
The hinge blocks shall be a minimum of 3" thick.	YES _____	NO _____
The hinge blocks shall be equipped with a pair of o-rings in order to create a sealed grease chamber inside the blocks.	YES _____	NO _____
The front lift telescopic cylinder shall be trunnion style, and utilize nitrated piston rods.	YES _____	NO _____
The 3 stage hoist shall be a Mailhot model G3-130-5.5-3 – no exception.	YES _____	NO _____

Air Tarp

An air operated tarp shall be installed on the dump body.	YES _____	NO _____
The tarp shall utilize left and right side air cylinders – electric or manual tarps are not acceptable.	YES _____	NO _____

Lighting

LED rear stop, tail and directional lights, as well as LED back-up lights, shall be installed in the rear corner posts.	YES _____	NO _____
Additionally, LED amber strobe lights shall be installed in the upper rear corner posts.	YES _____	NO _____
Star dual amber/blue mini light bar shall be installed on the cab-shield.	YES _____	NO _____
The strobe beacon lights shall have independent switches inside the cab.	YES _____	NO _____
An LED flush mount light kit shall be installed just above the pintle plate. This kit shall include 2 oval LED back-up lights and 2 oval LED rear stop, tail and directional lights.	YES _____	NO _____

Finish Paint

The body shall be shotblasted before the application of the primer.	YES _____	NO _____
An epoxy type primer shall be applied.	YES _____	NO _____
Finish paint shall be Sherwin-Williams polyurethane type paint with baked-on finish – no exception.	YES _____	NO _____

Miscellaneous

Body shall include 10” hardwood sideboards.	YES _____	NO _____
18” cabshield shall be welded to front panel.	YES _____	NO _____
A fold-down type ladder shall be installed at the front driver’s side of the body.	YES _____	NO _____
A Holland Hitch model PH410RA pintle hook with air cushion, including in-cab control, shall be installed at the rear of the chassis.	YES _____	NO _____
The pintle hook shall be installed on a reinforced steel pintle plate rated at 50 tons minimum.	YES _____	NO _____
Body builder to supply and install an trailer light plug, with plug installed on pintle plate for trailer connection and also Install Glad hands for air brakes above pintle hitch to avoid being hit by trailer. An in-cab control to be provided.	YES _____	NO _____
Safety prop shall be provided.	YES _____	NO _____
Anti-sail type mudflaps will be installed ahead of and behind rear axle.	YES _____	NO _____

Hydraulics

A Chelsea hot shift PTO shall be attached to the transmission.	YES _____	NO _____
The PTO must have the capability of engaging and disengaging at all speeds, through an in-cab switch.	YES _____	NO _____
A minimum 23 gpm pump shall be attached to the Chelsea PTO.	YES _____	NO _____
A 40 gallon side mount oil reservoir shall be installed on the side of the chassis frame rails.	YES _____	NO _____
A proportional type air control and valve shall be provided.	YES _____	NO _____
The in-cab proportional air control shall be installed on a floor console.	YES _____	NO _____

The floor console to also include the following switches:

- Air tailgate
- Air tarp
- PTO engage/disengage

YES _____ NO _____