

MCLEAN COUNTY

NOTICE OF LETTING

2 New 2021 Tandem Cab and Chassis

- (1) Sealed bids will be received in the office of the McLean County Engineer, 102 South Towanda Barnes Road, Bloomington, Illinois, 61705, until 9:00 o'clock A.M. December 22, 2020 for furnishing equipment and at that time publicly opened and read.
- (2) Proposals shall be submitted on the form furnished by the County which may be obtained at the office of The McLean County Engineer, 102 South Towanda Barnes Road, Bloomington, Illinois, 61705, and shall be enclosed in a sealed envelope endorsed "**Equipment Bid- Tandem**".
- (3) The right is reserved to reject any and all proposals and to waive technicalities.

By order of County Board

Jerry Stokes

County Engineer

McLean County, Illinois

December 7, 2020

PROPOSAL

To: McLean County Highway Department

Address: 102 S. Towanda Barnes Road, Bloomington, IL 61705

The undersigned agrees, if this bid is accepted within 30 days from date of opening, to furnish any or all of the equipment upon which prices are bid, at the respective unit prices.

Bidder _____

By _____

Address _____

_____ Title

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

New 2021 Tandem cab and chassis meeting the following specifications:

Documentation that must be submitted with the bid document:

A proposed build sheet including all installed options _____

Build Illustrations from overhead, driver and passenger side views showing visual details of clear frame space, horizontal dimensions, fuel tank, battery and DEF tank locations. _____

Chassis:

112" cab to axle and 60" axle to end of frame. _____

Engine:

Engine shall be Cummins ISL9 or PACCAR PX9

NO EXCEPTIONS WILL BE CONSIDERED. _____

Must have a minimum horsepower rating of 350 at 2000-2200 rpm. _____

Must have a minimum torque rating of 1100lbs/ft at 1200-1400 rpm. _____

Include in engine a turbo exhaust brake _____

Engine emission control system to 2021 model _____

Engine shall have electronic shutdown protection system. _____

All coolant and heater hoses shall be silicon. _____

Engine block heater installed. _____

Engine oil pan to be made of stainless steel
DEALER INSTALLED (BH pan for ISL9 part #39742934) _____

Coolant shall test to -40°F _____

2 Speed Horton fan drive or equal with automatic on/off control and normally closed temperature switch. _____

Exhaust to have muffler under cab with right side vertical stack. _____

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

Transmission:

Allison MD 3000 RDS close ratio 6 speed Automatic with PTO gear less retarder.

Right side Transmission dipstick is required.

Right side Transmission cooler line location for clean access to left side PTO.

Performance mode Programing required

Transmission will be required to shift to neutral automatically when parking brakes are applied.

Front Axle:

20,000 lb. capacity with 20,000 lb. springs with dual power steering (greaseable leaf spring pins if offered).

Rear Axle:

Single reduction 40,000 lb. capacity with lube pump.

Driver controlled locking differential/ power divider in forward-rear and rear-rear.

Rear axle shall be geared for 35 MPH @ governed engine speed while in 3rd gear with Electronic road speed limit of 70 mph.

Hendrickson walking beam suspension with 54" spacing with 17.5 saddle height minimum

40,000 lb. capacity with rubber springs, rubber end bushings, shock absorbers and transverse torque rods.

Frame:

Frame rails shall be heat treated alloy steel with 120,000 psi yield with 20" integral front frame extensions.

Full outer "C" channel reinforcement, including full integral 20" front frame extensions, heat treated alloy steel with 120,000 psi yield.

Frame Continued:

**McLean County Highway Department Specifications for 2
New 2021 Tandem Cab and Chassis**

Combined rating of inner and outer frame rails shall be a minimum of 3.2 million RBM (Resisting Bending Moment (In-Lbs.) _____

Front bumper to be swept back steel. _____

Clear frame on left side of truck from fuel tank/DEF tank to front of tandems is 40" minimum. _____

Clear frame on right side of truck with battery box mounted in furthest rearward mount to back of cab is 24" minimum.

Clear space may be staggered (i.e. 8" clear, 5 inches exhaust 16" clear) must allow for an "A" frame wing mount be mounted to frame. _____

Tires:

Rear tires (8) 11R22.5 Bridgestone M799 range "H" 16 ply or approved equal with open shoulder. _____

Front tires (2) 315/80R22.5 Bridgestone M870 load range "L" 20 Ply or approved equal. _____

Wheels:

Rears to be 22.5" Alcoa aluminum 22.5 X 8.25 , 10-stud Hub Piloted, _____

Wheel guards to be installed between rear wheels, and between wheels and mounting hubs. _____

Fronts to be disc brake compatible Alcoa aluminum 22.5 X 910-stud Hub Piloted _____

Wheel guards installed between front wheels and hubs. _____

Hood:

Tilt hood with Stationary grill. Bug shield mounted behind grill. _____

Cab:

**McLean County Highway Department Specifications for 2
New 2021 Tandem Cab and Chassis**

Right door Lower window is mandatory, **No Exceptions.** _____

Exterior sun shade installed and painted same color as cab. _____

Deluxe interior with sound suppression to be installed. _____

Standard AM/FM Bluetooth Radio with 4 speakers. _____

Rear cab suspension to be air bag type. _____

Engine gauges cluster to be installed. _____

Engine speed control/hand throttle _____

Factory A/C, heater, defroster installed. _____

Tilt steering with 18" steering wheel _____

Driver and passenger high back air ride seats with arm rests _____

Right and left power windows _____

Air horn installed _____

Cab to be made of aluminum and sound deadened interior installed _____

Factory installed strobe mounts above each door with dash mounted
hot at all times switch if available. _____

Left hand windshield/door post mounted spotlight installed _____

Peterbilt and Kenworth trucks will be required to have an extended
day cab. Maximum allowable frame/cab extension is limited to 12".
Cab to axle as measured from back of cab extension to be 112". _____

McLean County Highway Department would like the option
of factory installed 5 pack of switches in center dash.
Must be factory fuse protected _____

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

Brakes:

Dual air system for straight trucks, manual drain valves on tanks with pull chain style operation.

Bendix full system Anti-lock system or approved equal.

Bendix AD-HF air dryer or equal.

18.7 CFM air compressor or equal.

Front Brakes:

Bendix Disc Brakes, Air operated

Rear Brakes:

16.5" x 7" Air cam operated with 30/30 brake chambers and heavy duty spring actuated parking brakes installed on both rear axles.

Trailer Brakes:

Trailer brake package with trailer connections, hand control valve, and tractor protection valve for straight truck application.

Electrical-Accessories:

12 Volt 160 Amp alternator with low turn-on speed.

3 maintenance free batteries with a minimum 2000 CCA Total

Batteries shall be mounted to the right side of the frame as far back as allowable w/battery orientation to provide a minimum of 24" clear frame space.

NOTE: Batteries not mounted approximately 6 inches ahead of tandems shall provide an additional 36" of battery cable tied up by battery box.

Battery box mounted master disconnect switch.

Must disable entire truck except for DEF System.

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

Electrical-Accessories Continued:

- Manual reset circuit breakers for main panel. _____
- NO** Daytime running lights. DRL must be disabled before delivery. _____
- Factory Snow Plow light switch _____
- Factory PTO Switch for control of Electrically controlled PTO _____
- Halogen headlights. _____
- Interior power point. _____
- Intermittent wipers _____
- Heated west coast type power mirrors with Heated convex look back/spot mirrors. _____
- Body builder wiring package with ground speed interface connection. _____
- No frame mounted main fuse/fusible link allowed. Must be relocated by Dealer prior to delivery and shall be mounted inside cab or battery box. _____

Fuel Tank and Equipment:

- 100 Gallon Aluminum fuel tank left frame mounted with stainless straps if available. _____
- Round DEF tank mounted before or aft of Fuel tank is preferred if clear frame space allows _____
- Paint color Bright Red, frame color black. _____
- A complete set of truck and engine repair manuals shall be supplied. If manuals are not available, online access or PC software is accepted. _____
- (2) - 1(one) year subscriptions for Engine diagnostics hardware, and software must be included. (Insite Light) _____
- License, title and registration fees shall be included. _____
- All DOT safety equipment to be supplied with truck. (road flairs and triangles and fire extinguisher)

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

Final assembly Suspension alignment to be performed/supplied by successful bidder upon completion of Dump Truck assembly by McLean County Highway Department.

McLean County Highway Department has the following tandem dump trucks to be considered for trade.

Trade #1: Trade of 2013 International 7400 6 X 4, VIN number 1HTWHAZT9EH771509 with approximately 66,000 miles. Truck retains dump bed, central hydraulics, hydraulic wing and front plow and salt spreader.

Trade #2: Trade of 2014 Kenworth T470 6 X 4, VIN number 1NKBLJ0X4FJ431400 with approximately 93,000 miles. Truck retains dump bed, central hydraulics, hydraulic wing and front plow, and salt spreader.

McLean County Highway Department reserves the right to retain trade(s)

Should McLean County Highway Department accept trade prices, the Trades shall be released to the successful bidder at the time of accepted delivery of new cab and chassis.

Price is as delivered to McLean County Highway Department facilities.

Continued:

Factory warranty to be for 12 months/100,000 miles on base vehicle. Engine warranty to be a minimum of five years/100,000 miles with 100% coverage on parts and labor covering all components, both electronic and mechanical including turbo charger(s) and fuel injectors. After treatment system shall have a 5 year warranty on all components. Drive axles and Allison transmission shall have 3 years unlimited mileage warranty. Frame rails shall be warranted for 5 years/500,000 miles. All warranties to start at McLean County Highway Department's actual in-service date after truck completion.

If extended warranties are available bidder may list them separate with coverage descriptions and cost as an option to the county.

Payment will not be available until June 1, 2020.

A Penalty charge of \$500.00 per week will be assessed for each truck delivered after June 15, 2020

McLean County Highway Department Specifications for 2 New 2021 Tandem Cab and Chassis

Successful bidder Must have a full-service facility for repairs and parts available within a 25-mile radius of McLean County Highway Department.

The two (2) new tandem cab and chassis will be awarded to the lowest responsible bidder who complies with specifications and has the lowest total bid.

McLean County Highway Department reserves the right to reject any and all bids, and retains the right to waive specifications and technicalities, as may be in the best interest of McLean County.

**Jerry Stokes
County Engineer
McLean County, IL.**

McLean County Highway Department 2021 Tandem Cab and Chassis Bid

Item	Price for 1 unit	Price for 2 units
2021 Tandem Cab and Chassis		
Cab and Chassis Manufacturer:		
Cab and Chassis Model:		
Clear frame specs: Left Right		
Trade in units:		
Less Trade of 2014 Kenworth T470 6 X 4 complete Dump Truck, VIN number 1NKBLJ0X4FJ431400 with approximately 93,000 miles.		
Less Trade of 2013 International 7400 6 X 4 complete Dump Truck, VIN number 1HTWHAZT9EH771509 with approximately 66,000 miles.		
Cost option for any extended warranties offered per truck		
McLean County Highway Department reserves the right to retain Trade(s).		
<u>Approximate Delivery Date:</u> _____		
<u>Signature of Bidder:</u> _____		

Note: List any exceptions to specifications below: