



REQUEST FOR SEALED BIDS

FOR

TANDEM AXLE TRUCK CHASSIS

Issued:

May 30, 2019

Due Date and Location of Submittals:

Wednesday June 26, 2019 at 10:00am

City of Sycamore - Clerk's Office

Attn: Fred Busse

308 West State

Sycamore IL 60178

Questions and Inquiries
Fred Busse, Director of Public Works
815-895-3545

fbusse@cityofsycamore.com

www.cityofsycamore.com

This page left blank intentionally.



To: Prospective Bidder
From: Fred Busse, Director of Public Works
Date: May 30, 2019
RE: Sealed Bids – New 58,000 lb. GVWR tandem axle truck chassis

INTENT:

City of Sycamore Public Works is accepting sealed bids for, (1) new, 58,000 lb. GVWR tandem axle truck chassis. Intended use will be municipal snowplowing. Truck chassis will later be outfitted with a 12 cubic yard dump body, central hydraulic system, eleven-foot snowplow and a tailgate salt spreader.

You will find enclosed, the bid specifications for this purchase. Bids will be evaluated on several factors, including but not limited to, price, responsiveness to the bid specifications, warranty, availability of service & parts, and dealer/vendor reliability and service history. The City reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. If you are unable to meet these specifications or unable to bid for any reason, please submit a written explanation. Original manufacture’s brochures of the proposed units are to be submitted with the proposal.

The City of Sycamore has a competitive bidding procedure relating to qualified local bidders from DeKalb County. Procedure is outlined in the City’s Municipal Code; Chapter 11, 1-11-3.

Sealed bids must be submitted by 10:00 a.m., June 26, 2019.

Addressed to:
**City of Sycamore
308 West State
Sycamore, IL 60178.**

Bids submitted by mail or in person shall be marked **“Sealed Bid, Tandem Axle Truck Chassis”**. Bids submitted via email or fax will be automatically disqualified. Bids will be opened and read aloud in the Sycamore Council Chambers immediately following the deadline for submittal.

The approval of this purchase is expected to take place July 1, 2019 at the regularly scheduled Council Meeting.

MINIMUM SPECIFICATIONS

INTENDED SERVICE

- Municipal Public Works
- Snow removal with 11' front mounted snow plow.
- Utility repair and maintenance
- Truck and flatbed trailer configuration
- Dump body, 12 cubic yards
- Transmission driven PTO central hydraulic system

GVWR

- 58,000 pounds

ENGINE

- Diesel
- 350 HP minimum net
- 1,000 LB/FT peak torque

ENGINE EQUIPMENT

- Onboard diagnostics
- Standard oil pan
- Oil fill and dipstick located for serviceability
- (2) starting batteries, min 2000CCA, 370RC. Threaded studs
- Single battery box frame mounted LH side under cab
- Standard battery jump start studs
- Heavy duty, 1000 sq. in. aluminum radiator with draincock
- Coolant hoses shall be secured with stainless steel constant torque hose clamps
- All metal radiator tubes shall be stainless steel
- Antifreeze to -34F, extended life coolant
- Automatic over the road regeneration and dash mounted regeneration request switch
- Spin on fuel filter
- 750 watts/115-volt block heater
- Engine heater receptacle mounted under LH door
- RH curved vertical tailpipe, B-pillar mounted, 10 height, bright finished
- Stainless steel aftertreatment/muffler shield
- HD starter
- 160-amp alternator

TRANSMISSION

- Allison 3000 RDS automatic transmission with PTO provision
- 6 speed
- Performance limiting primary shift schedule
- Push button electronic shift control, dash mounted
- Water to oil transmission cooler in radiator
- Synthetic transmission fluid
- Dipstick/fill tube must be serviceable from under hood
- Parking brake applied auto neutral

WHEELBASE AND FRAME

- 176-inch wheelbase
- 103-inch cab to trunnion
- 69-inch rear frame overhang
- Single channel frame 7/16" x 11-1/8" at 2.51 million RBM
- 14-inch painted steel front bumper, black
- Rear tow hooks that match GVWR
- Black, high solids polyurethane chassis paint

FRONT AXLE AND EQUIPMENT

- 18,000-pound capacity
- Setback design
- Hydraulic power steering
- Air brakes
- Automatic slack adjusters
- Cast iron hubs
- Vented front hubs with window, center and side plugs – oil
- Synthetic front axle lube
- Flat leaf springs
- Offset shackle for easy PTO install
- 315/80R22.5 20 ply radial tires
- 22.5 x 9 piloted steel, white powder coated rims
- Bolt on molded flexible fender extensions

REAR AXLE AND EQUIPMENT

- 40,000-pound tandem axle
- 54-inch axle spacing
- 6.14 axle ratio
- Driver controlled traction differential with indicator light – both axles
- Air brakes
- Automatic slack adjusters
- Cast iron hubs
- 11R22.5 14 ply radial tires- traction tread
- 22.5 x 8.25 piloted steel, white powder coated rims

AIR BRAKE SYSTEM

- Anti-lock braking
- Minimum 30 CFM compressor
- Heated air dryer
- Auto moisture ejectors on all air tanks
- Steel air tanks mounted forward of rear axles

TRAILER CONNECTIONS

- Primary connection/receptacle wired for separate stop/turn, ABS centered pin powered through ignition
- Primary trailer cable receptacle mounted end of frame, 7-pole (RV style, flat terminals)
- Upgraded chassis multiplexing unit

FUEL TANKS

- 50-gallon aluminum tank – LH
- Fuel/water separator with water in fuel sensor, hand primer and 12 volts preheater
- 6-gallon DEF tank mounted to side of frame behind fuel tank

CAB EXTERIOR

- 106-inch BBC steel-reinforced aluminum conventional cab
- Cab roof reinforcements for roof mounted components
- Air ride cab
- Nonremovable bug screen mounted behind grille
- Short fender with mud flap
- LH and RH grab handles
- Tilt fiberglass hood, spring assisted
- Single 14 inch round air horn mounted under LH deck
- Single electric horn
- Halogen headlamps
- Daytime running lights - low beam only
- LED aerodynamic cab marker lights
- Dual West Coast heated mirrors, fully adjustable and made of stainless steel with stainless steel hardware, door mounted, bright finish
- LH and RH 8" convex mirrors mounted under primary mirrors, bright finished
- Tinted door glass LH and RH, with tinted operating wing windows
- Tinted windshield
- RH and LH electric powered windows, passenger switches on door(s)
- Tinted rear window
- Lower RH door window with Fresnel lens
- Solid one color. L6460EB School Bus yellow, Elite BC
- Standard undercoating

CAB INTERIOR

- Gray vinyl interior
- Molded plastic door panel with aluminum kickplate on lower door
- Door locks and ignition switch keyed alike with (4) keys
- Black mats with single insulation
- Forward roof mounted console with upper storage compartments
- Heater, defroster and air conditioner
- HVAC ducting with snow shield for fresh air intake
- Solid state circuit protection and fuses
- Dome light activated LH and RH, dual reading lights, forward cab roof
- One 12 volt power supply in dash plus USB port
- Basic high back air suspension driver seat with mechanical lumbar and integrated cushion extension, cloth covered
- Basic high back non suspension passenger seat, cloth covered
- Dual driver seat armrests, no passenger seat armrests
- LH and RH door panel armrests
- Adjustable tilt and telescoping steering column
- 18-inch steering wheel
- Driver and passenger interior sun visors
- AM/FM radio with blue tooth, (2) speakers
- Over-head radio wiring
- Two-way FM radio wiring

INSTRUMENTS AND CONTROLS

- Driver instrument panel
- Black gauge bezels
- Low air pressure indicator light and audible alarm
- 2 inch primary and secondary air pressure gauges
- Dash mounted air restriction indicator with graduations
- Electronic cruise control
- Heavy duty onboard diagnostic interface connector located below LH dash
- Programable RPM control – electronic engine
- Electrical engine oil temperature gauge
- 2-inch transmission oil temperature gauge
- Engine and trip hour meters
- Electric engine oil pressure gauge
- AM/FM antenna mounted on forward roof
- Speedometer
- Tachometer
- Auxiliary vehicle speed sensor between seats
- Ignition controlled engine stop
- Plow light switch
- Two, on/off rocker switches in the dash with indicator lights and wire routed to chassis at back of cab
- Volt meter

- Two speed, intermittent windshield wipers
- Body builder wires

OTHER

The City reserves the right to inspect the equipment after delivery to determine whether the equipment meets the contract specifications. Vendor has thirty (30) day from delivery to bring equipment up to contract specifications. If not, the city will evoke one of the options below.

1. Reject the equipment and return it to the vendor at vendor's expense, at which time the City's obligations to the vendor as to the rejected equipment shall become null and void.
2. Request the vendor to conform the equipment to contract specifications. This work shall be performed properly within time limits established by the City at no cost to the City.
3. Hold back from any monies due the vendor, the reasonable value of the rejected material, parts. Workmanship. Or services, based upon the contract price.

Submitted bid must include a detailed order summary sheet

State approximate date of delivery based on execution of order.

Bid shall include delivery to: Sycamore Public Works
475 North Cross
Sycamore, IL 60178

WARRANTY

- The manufacturers standard warranty on new equipment will cover all items furnished in accordance with these specifications. The minimum warranty period on new equipment will be one (1) year from the date that the new equipment is actually put into service by the City.
- Five (5) year, 100,000 miles warranty covering engine, major engine components, engine electronics, transmission and aftertreatment components.

PARTS AND SERVICE INFORMATION

The vendor shall provide access to a Windows based parts and service website covering engine, transmission, and all chassis components. The website and CD's above shall contain all information regarding parts and service for all components supplied. Service information shall include but not limited to repair instructions for the entire unit supplied, including all components or options supplied. Service information shall include such items as wiring schematics and detailed preventative maintenance and shall be supplied for each option supplied by the successful bidder. This information shall include any or all components or options stated in this contract. A vehicle operations manual covering the chassis equipment shall be included with the vehicle.