

**LEGAL NOTICE
JOLIET TOWNSHIP ROAD DISTRICT
ADVERTISEMENT TO BID
NEW EQUIPMENT PURCHASE**

The Joliet Township Road District does hereby invite sealed bids for the purchase of Two New Trucks as follows:

1. 2019 Ford Super Duty F 250 4X4 with Snow Plow and Spreader or equal
2. 2019 Ford Super Duty F550 4X4 with Snow Plow and Spreader or equal

Three vehicles will be traded in as part of this purchase. The vehicles being traded in are as follows:

1. 2003 International 7400 DT With Plow and Spreader 6513 Hours
2. 2005 Ford F550 Dump Truck With Plow and Spreader 93,256 Miles
3. 2008 Ford F250 Pickup Truck 64,588 Miles

Instructions to Bidders: Bid packets, for the purchase of the new equipment will be available for pickup at the Office of the Township Clerk, 175 W. Jefferson Street, Joliet, Illinois 60432, from 8:30 a.m. to noon and 1:00 to 4:00 p.m. They are also available on the Township website at www.joliettownship.net. Questions regarding the equipment specifications and trade in vehicles can be directed to the Highway Commissioner at the Office of the Road District at 815-722-6646.

The trade in equipment is available for inspection Monday, November 25, 2019 through until Tuesday, December 3, 2019, 2019 from noon to 3:00 p.m. at the Joliet Township Road District, 901 S. Joliet Street, Joliet, Illinois, 60436.

Sealed bids for the purchase of the equipment will be received at the Office of the Township Clerk, 175 W. Jefferson Street, Joliet, Illinois 60432, from 8:30 a.m. to noon and 1:00 to 4:00 p.m., until 1:30 p.m. Wednesday, December 4, 2019 at which time the bids will be opened and read out loud. Joliet Township Road District reserves the right to reject any and all bids.

The bid opening will be held in the Town Hall Meeting Room (north end of the building), 175 W. Jefferson Street, Joliet, Illinois 60432. The winning bids will be awarded after December 17, 2019.

Dated: November 24, 2019

Michael T. Turnbull
Highway Commissioner

Beth Ann May
Clerk

RETURN WITH BID

**JOLIET TOWNSHIP ROAD
DISTRICT**

**BID NO. 2019-05
SPECIFICATIONS**

NEW EQUIPMENT PURCHASE

**Bid Opening:
Wednesday, December 4, 2019
1:30 PM**

RETURN WITH BID

**JOLIET TOWNSHIP ROAD DISTRICT
BID NO. 2019-05
NEW EQUIPMENT PURCHASE**

Sealed bids for the purchase of the equipment will be received at the Office of the Township Clerk, 175 W. Jefferson Street, Joliet, Illinois 60432, from 8:30 a.m. to noon and 1:00 to 4:00 p.m., until 1:30 p.m. Wednesday, December 4, 2019 at which time the bids will be opened and read out loud. The envelope must be clearly marked **BID NO. 2019-05 Road District Vehicle.**

For
BID NO. 2019-05

The purchase of Two New Trucks as follows:

1. 2019 Ford Super Duty F 250 4X4 with Snow Plow and Spreader or equal
2. 2019 Ford Super Duty F550 4X4 with Snow Plow and Spreader or equal

Three vehicles will be traded in as part of this purchase. The vehicles being traded in are as follows:

4. 2003 International 7400 DT With Plow and Spreader 6513 Hours
5. 2005 Ford F550 Dump Truck With Plow and Spreader 93,256 Miles
6. 2008 Ford F250 Pickup Truck 64,588 Miles

Contact Person:

Mike Turnbull
Highway Commissioner
Phone: (815) 722-6646
Email: highwaycommissioner@joliettownship.net

MAILING ADDRESS: Town Clerk's Office 175 W. Jefferson Street Joliet, Illinois 60432	DROP OFF IN PERSON: Town Clerk's Office 175 W. Jefferson Street Joliet, Illinois 60432
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PLEASE PRINT:

Company: _____ Date: _____

Contact Person: _____

Address: _____ City: _____ State: _____ Zip Code: _____

RETURN WITH BID

Phone Number: _____ Email: _____

FEIN or SSN: _____

SCOPE OF WORK

The Joliet Township Road District is seeking a qualified vendor to provide two new trucks as follows:

1. 2019 Ford Super Duty F 250 4X4 with Snow Plow and Spreader or equal
2. 2019 Ford Super Duty F550 4X4 with Snow Plow and Spreader or equal

Three vehicles will be traded in as part of this purchase. The vehicles being traded in are as follows:

1. 2003 International 7400 DT With Plow and Spreader 6513 Hours
2. 2005 Ford F550 Dump Truck With Plow and Spreader 93,256 Miles
3. 2008 Ford F250 Pickup Truck 64,588 Miles

Bids must be submitted by mail or in person. All Bids shall be in strict accordance with all provisions contained herein and shall comply with specifications attached here to.

The Highway commissioner reserves the right to reject and or all bids and accept the mid most advantageous the Township.

PAYMENT

Payment will be processed after receipt of delivery invoice.

SPECIAL PROVISIONS

1. All Bids shall be in strict accordance with all provisions contained herein and shall comply with the specifications attached hereto.
2. Bids shall be submitted on the printed forms provided for that purpose and bound herewith and must be signed. Bid forms shall be completely filled out and shall not be detached from this binding. The complete set of proposal documents shall be submitted with the proposal.
3. Bidders shall answer each compliance question on the specifications by marking either the **YES** or the **NO** blank. Exceptions shall be explained in detail on a separate page. If all blanks are marked YES, exact compliance is required.
4. The board reserves the right to reject any or all bids or to accept any bid which may be deemed to be in the best

RETURN WITH BID

interest of the Joliet Township Road District.

5. No bid shall be withdrawn within thirty (30) days after the scheduled time for the opening of the bids.
6. Bidders must submit a firm bid. A bidder shall not stipulate in his proposal any condition not contained in the proposal documents. Any qualifying statements or conditions may be considered irregular and as not being responsive to the Advertisement for Bids.
7. Each bidder shall furnish with his proposal one copy of descriptive literature on the equipment being bid and the manufacturer's specifications in complete detail. Said brochure and manufacturer's specifications shall be in sufficient detail to permit proper evaluation of bid.
8. When delivered the truck shall be complete in all parts and ready for immediate use. The manufacturer shall warranty the truck and the equipment installer shall warranty the equipment against defective materials and workmanship for a period of one year from date of acceptance. Any defects shall be promptly corrected without cost to the Joliet Township Road District.
9. No charges will be allowed for taxes, the Joliet Township Road District is exempt from all Federal, State and local taxes.
10. The complete unit shall be delivered to department. No later than 120 days from time chassis is delivered To truck equipment installer.

RETURN WITH BID

TRUCK 1. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

TRUCK CHASSIS CAB

Shall be Ford Super Duty F250 4 x 4

 Shall have 160 inch Wheel base

 Shall have 39.9 inch cab to axle

 Gross vehicle weight rating of 10,000 lb.

 Payload rating of 2,670 lb.

 Front axle weight rating of 5990 lb.

 Rear axle weight rating of 6340 lb.

Tires:

Front tires shall be LT275/70SR18E AT

 All terrain radial ply

 Rear tires (4) shall be LT275/70SR18E AT

 All terrain radial ply

 A front spare tire and wheel shall be provided

Engine:

 Shall be 6.7 liter 8 cylinder electronic

 fuel injected diesel 450 hp. @ 3300 rpm.

 935 lb.ft. @ 1800 rpm.

Transmission:

 Shall be Ford Torque Shift 6 speed

 With automatic overdrive

Front Springs shall be:

 Coil type 5990 capacity with gas type shock

 Absorbers.

Rear Springs shall be:

 Leaf 6340 capacity, single stage constant rate main

 Gas type shocks shall be included.

Front Axle Shall be:

 Dana Super 60 with a 4.30:1 ratio with manual

 Locking hubs.

Rear Axle shall be:

 Full floating with limited slip and reduction

 of 3.55:1. Axle shall be Dana Model S1100

Electrical system:

 Shall have two (2) battery 78 ampere

 hour capacity ,750 CCA .

 130 amp minimum capacity alternator

 All lighting to meet F.M.V.S.S. # 108

RETURN WITH BID

and Illinois vehicle code as it applies
to lighting of second division vehicles of this size.

TRUCK 1. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Cab exterior:

Shall be crew cab 4 door
Shall be painted Red single color base/clear
Coat. Front & Rear bumper shall be chrome

Mirrors shall be:

Manual telescoping trailer towing mirrors with power
Glass and manual fold feature.

Cab interior:

Seat shall be heavy duty 40/20/40 split bench
type with vinyl covering
Head liner and insulation shall include back
panel cover, "B" pillar and back panel molding

Instrument panel:

Shall be standard and shall include gauges
for oil pressure, coolant temperature,
alternator output, fuel level as well as
speedometer.
Warning lights may supplement these gauges
but may not replace them.
A.M./F.M./ stereo radio with clock
shall be included. Interval wipers shall be provided
High output heater with defroster and air conditioning shall
be included.
Dome light actuated by door switches shall
be provided.
Shall have dual sun visors
Floor mats shall be synthetic rubber

Fuel tank:

Shall be single inboard 34 gallon
capacity.
Filler neck shall be supplied for
the tank.

Steering:

Shall be power steering

Brakes:

Shall be power assisted hydraulic four (4)
wheel disc type

RETURN WITH BID

TRUCK 1. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Chassis shall have the following options:

- STX appearance package, Power equipment group
- Snow Plow Prep Package, Engine block heater
- 6 ton hydraulic jack, FX4 off road package, 110v/400w
- Outlet Platform running boards,
- Trailer brake Controller
- 110V/400 Watt outlet in dash

SNOW PLOW SYSTEM

Snow plow shall consist of:

- Western Pro Plow model IUTPP 8'.5'' at the cutting edge. 31 1/2" minimum blade height.
- Moldboard shall be constructed of 12 ga. minimum steel with no fewer than eight vertical ribs.
- Moldboard shall be equipped with four extension springs and 2 shock absorbers.
- Two adjustable cast disc shoes 1" thick minimum shall be furnished to set cutting edge height.

Hydraulics shall consist of:

- Lift cylinder shall be 2" X 8"
- Angle cylinders shall be 2" x 12"
- Lines to the angle cylinders shall be equipped with snap type quick couplers reversed to prevent incorrect hookup.
- Snow plow hydraulics shall be powered and controlled by the central hydraulic system of the truck.
- The unit shall be detachable by two quick disconnects.

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TRUCK 1. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Mounting frame shall consist of:

Custom designed Western Ultra Mount mounting for the specific truck chassis.

The mounting shall be designed to allow for detachment of the hydraulics, lift frame and lights as well as the snow plow by 2 quick release levers. This shall be possible with out use of any tools. Universal or bumper mountings are not acceptable. Mounting frame and related materials shall be the manufacturer's best heavy duty, suited for municipal use on the truck chassis described in these specifications.

Lighting shall consist of:

Dual two beam head lamps with combination park and turn signals shall be furnished and mounted on the brackets designed and furnished by the snow plow manufacturer.

These lights shall transfer to the plow without the use of switches .

Markers and accessories shall consist of:

The moldboard shall be equipped with end markers to clearly indicate to the operator the exact position of the end of the plow blade. Markers shall be vinyl encapsulated spring wire with an integrally wound coil at the base to absorb shock.

A rubber deflector shall be furnished and attached to the top of the moldboard with a retainer bar.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Shall be Ford Super Duty F550 4 x 4

 Shall have 145 inch Wheel base

 Shall have 60 inch cab to axle

 Gross vehicle weight rating of 19,500 lb.

 Payload rating of 11,370 lb.

 Front axle weight rating of 7000 lb.

 Rear axle weight rating of 14,706 lb.

Chassis shall have the following options:

 XL Value package, Power equipment group

 Snow Plow Prep Package, Engine block heater

 6 ton hydraulic jack, Platform running boards

 Trailer brake Controller

 110V/400 Watt outlet in dash

Tires:

 Front tires shall be 225/70R19.5G

 BSW All terrain radial ply

 Rear tires (4) shall be 225/70R19.5G

 All terrain radial ply

Engine:

 Shall be 6.7 liter 8 cylinder electronic

 fuel injected diesel . 330 hp. @ 2600 rpm.

 750 lb.ft. @ 2000 rpm.

Transmission:

 Shall be Ford Torque Shift 6 speed

 With automatic overdrive

Front Springs shall be :

 Coil type 7000 capacity with gas type shock

 Absorbers.

Rear Springs shall be:

 Leaf, single stage constant rate main with

 Auxiliary. Combined 13,660 LB cap., Gas

 type shocks shall be included.

Front Axle Shall be:

 Wide track mono- beam Dana Super 60 with

 Coil spring suspension.

Rear Axle shall be:

 Full floating with limited slip and reduction

 of 4.88:1. Axle shall be Dana

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Electrical system:

Shall have two (2) battery 78 ampere
hour capacity ,750 CCA .
332 amp dual alternators
All lighting to meet F.M.V.S.S. # 108
and Illinois vehicle code as it applies
to lighting of second division vehicles of this size.

Cab exterior:

Shall be standard conventional cab
Shall be painted Race Red single color base/clear
Coat. Front bumper shall be chrome

Mirrors shall be:

Manual telescoping trailer towing mirrors with power
Glass and 2-way fold feature.

Cab interior:

Seat shall be heavy duty bucket type with
vinyl covering. Seats to be able to recline.
Head liner and insulation shall include back
panel cover, "B" pillar and back panel molding.

Instrument panel:

Shall be standard and shall include gauges
for oil pressure, coolant temperature,
alternator output, fuel level as well as
speedometer.
Warning lights may supplement these gauges
but may not replace them.
A.M./F.M./ MP3 stereo radio with clock
shall be included. Interval wipers shall be provided
High output heater with defroster and air conditioning
Shall be included. Dome light actuated by door
switches shall be provided. Shall have dual sun visors
Floor mats shall be synthetic rubber

Fuel tank:

Shall be single inboard 28 gallon
Capacity. Tank shall be mounted in front
of axle. Filler neck shall be supplied for
the tank.

Steering:

Shall be power steering

Brakes:

Shall be power assisted hydraulic four (4)
wheel disc type

RETURN WITH BID

TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

**COMPLIES W/SPEC?
YES NO**

BODY

Shall be cross member less type dump body. _____ _____

Constructed of 201 #4 Stainless Steel
construction Capacity shall be 2.3 to 3.3 cu. yard

Inside length shall be 9'

Outside width shall be 95"

Inside width shall be 85"

Side height shall be 18"

Tailgate height shall be 24"

Head sheet height shall be 44"

Sides & head sheet shall consist of: _____ _____

12 gauge stainless steel

Double wall construction with boxed
top rail. No externally visible welds
on boxed top rail.

Rub rail shall be sloping (dirt shedding).

12 gauge 4 3/4" x 8" full depth rear corner
post shall be tied to an 5" structural channel
rear apron. This joint shall be further
reinforced by a 3/16" plate which helps to
prevent flexing.

Entire body continuously welded.

Floor shall consist of: _____ _____

One piece 3/16" AR 400 floor.

A 2" floor to side radius shall run full
length. Long sills shall be one piece
5" tall and 3/16 thick formed.

Crossmembers are not acceptable

Mounting height shall not exceed 8"

Tailgate shall consist of: _____ _____

12 ga. tailgate sheet.

Double wall construction.

The perimeter shall be fully boxed with
all horizontal surfaces sloped outward
(dirtshedding). Tailgate shall be Stainless
Steel. Flush mount, off-set tailgate hinge plates
with quick release single lever control. Chains on
tail gate shall be Stainless steel.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Lower latch plates shall be 3/4" minimum and shall number no fewer than two per side
Lower latch hooks shall be 1/2" minimum
Upper pins shall be minimum 1 1/4" and lower pins shall be minimum 1" hot rolled steel.
All pivot points shall include stainless steel bushings to reduce seizing.

Cabshield shall consist of:

Formed 12 gauge stainless steel attached to the front of the body by continuous weld on top, sides and bottom, thus to prevent rust staining of the front of the body. Integral cab shield are acceptable.
Shall be 1/4 type extending forward from the body a distance of 16"
Shall clear the cab roof by 2" min 4" max.
Support gussets shall form the sides of the cab shield and be continuously welded.
No windows in cab shield.

Splash guards shall consist of:

One 24" X 36" no sail type rubber mud flap shall be positioned behind each rear drive wheel. These shall be mounted to the dump body in compliance with state and local statutes with regard to position and function. Stainless steel fender shall be located in front each drive wheel and welded to bottom of dump body. Each shall be properly braced to prevent fatigue.

Paint shall consist of:

All surfaces not stainless steel shall be high pressure cleaned and phosphated prior to application of epoxy ester primer.
All exterior body surfaces excluding the under-sides shall be unpainted. Underside and chassis area shall be gloss black industrial enamel.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

General features:

The entire body structure shall be constructed of new and unused material. All normally painted areas shall first be thoroughly washed to remove oil and dirt before priming, these areas shall then be thoroughly primed prior to application of finish paint.

HOIST

Shall be Mailhot model M-80-3/5-3 19.4 ton (U.S.) Class 20.

Cylinder shall be:

Three stage telescopic, double acting, single Cylinder front mount. bore sealed design with Nitride cylinder sections. Stroke shall be 80" with 3.5" diameter first stage double acting. All connecting pins and trunnion pivot shaft shall be nitrided for corrosion resistance. Connecting pivots shall have replaceable greaseless composite bushings.

Cylinder sub frame shall consist of:

2 structural long sill which incorporates body guides, body prop and cylinder pillow blocks. Rear hinge shall consist of 4" x 3" x 1/4" structural angle rear hinge assembly which is welded to formed long sills with 1 1/4" 1045 cold rolled pins connected through 4" long bushing with grease fittings.

Hydraulics shall consist of:

Power for and control of hoist cylinder shall be provided by a section of the main control valve.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

HYDRAULIC SYSTEM

Shall be a direct mount PTO and gear pump central hydraulic system capable of operating all hydraulic components specified.

Pump system shall consist of:

A model MY011 fixed displacement pump having a displacement of 1.65 in. per revolution. S.A.E. class A, 2 bolt mounting with .750 11 involute splined shaft, Rear porting properly sized to meet fluid velocity limitations specified under hoses & lines. Mounting shall be direct to a Chelsea model 249FMLLX-B2AD power shift power take-off shall be installed on the transmission.

Hydraulic Reservoir/Valve

Hydraulic reservoir with in tank filter shall be Force Model VT-15SS. Reservoir shall have internal baffle and 10 ga. Construction Tank shall have a capacity of 15 gallon, magnetic drain plug, filler breather, 1 1/4 inch FPT suction with a 100 mesh screen type filter and a built in tank filter with a 10 micron element. The hydraulic valve shall built onto the tank with weather tight cover. The control valve shall be Force Model ADD/A/Stack valve with bulkhead to male JIC fittings.

.Filter Shall consist of

Filter shall be in a housing which is mounted with threaded fasteners in top of oil tank. Filter shall be enclosed inside of weather tite cover. Filter housing shall have one 1 FPT threaded port for return and one 1 1/2 bottom port which shall direct oil into tank and one 1/4 NPT port for filter bypass guage. Filter element shall be Internorman part no 300677.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Main control valve shall consist of:

A sectional 4 section parallel circuit closed center control valve. Control valve shall have a mid inlet section.

The first section shall be four way with a built in relief set at 500 psi for control of the dump body hoist.

The second section shall be three way for control of the snow plow lift cylinder.

The third section shall be four way for control of the snow plow power reversing cylinders. The fourth section shall have 2 proportional cartridge's for control of spinner and auger.

The dual flow spreader valve shall control the auger and spinner independently via a 12 V DC pulse width modulated signal. Valve shall be mono block design with two pressure compensated cartridges that are a single piece design with flows of up to 14 GPM and pressures to 3000 PSI. The cartridge shall have manual over rides in case of a failure in the valve. Over rides are adjustable from no flow to full flow. This valve is to be incorporated in to the main control valve for a continuous flow of fluid in either closed or open center valves. These shall be controlled by electric spreader controller.

The spools that control plow and dump shall be three position spring centered. The valve assembly shall be located in the valve / tank combo which shall be mounted behind the cab of the truck on brackets attached to the chassis frame and/or hoist subframe.

Hoses and lines shall consist of:

All pressure lines shall meet SAE Standard 100 R2 and be adequately sized to limit fluid velocities to 15 ft. per second max.

All suction and non-pressure return lines shall meet SAE 100 R4 and be sized to limit fluid velocities to 4 ft. per second max.

Where pipes are used to conduct hydraulic fluid, they shall be black schedule 40 and shall not terminate with pipe couplings.

Pipes shall be adequately supported to prevent fatigue and failure due to vibration.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES NO

Controls shall consist of:

The main control valve shall be operated by levers located on a riser to the immediate right of the driver seat.

These levers shall be attached to the valve spool via flexible core fully sealed control cables. The snow plow control shall be cross axis type allowing the raise/lower function to be controlled by moving the lever along the centerline axis of the truck, while the power reverse function is controlled by moving the lever along the axis which is perpendicular to the centerline of the truck. The dump body hoist control shall be single axis type allowing the raise/lower function to be controlled in the same fashion as the snow plow raise/lower function.

In both cases, the lower function shall be the position toward the front of the truck. The dump body control shall be located nearest the driver.

Control Location:

All controls shall be prudently placed in the truck cab so as to allow the driver to conveniently reach and operate them while comfortably seated in an upright position. Placement of hydraulic or electrical controls which cause the driver to lose sight of the roadway in order to operate them is unacceptable.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Spreader Control Force Model SSC 3100

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Auger and spinner shall be controlled independently with detented control knobs. Current compensated outputs for spinner and auger must be infinitely adjustable for fine tuning of auger and spinner speed settings. There shall be an adjustable blast mode to increase auger speed for up to 16 seconds. Spreader shall have adjustable backlighting and optional inputs for remote blast and standby.

Hydraulic couplers shall consist of:

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All hydraulic quick couplers shall be Parker 4000 series steel, 1/2" female pipe thread

RETURN WITH BID

TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

ELECTRICAL

Basic lighting shall consist of:

Clearance, marker and identification lights and reflectors which are required by the Illinois Vehicle Code as amended and by F.M.V.S.S. # 108 as amended shall be provided and certification as to compliance shall be made. All of these lights shall be LED.

Warning lights shall consist of:

Whelen LED system model # BSISYSL4 LED special, which consists of: one (1) model L31HAFP amber 360 degree LED light head mounted on the cab shield with a stainless steel cage to protect light from limbs. Two 500 amber LED light heads recessed into special boxes by Whelen which are welded into the rear corner posts of the dump body. All light heads shall be powered by a switch located in the truck dash .

Auxiliary Taillights shall consist of:

Two model 500 Whelen LED light heads, one each side, shall be installed in the above mentioned housings and welded into the rear corner posts of the dump body. These shall be located immediately below the Amber LED light heads. They shall each display a tail light and a turn signal/stop light and shall be connected in parallel with the truck chassis tail lights and rear turn signals.

Snow plow lights shall consist of:

Model 38800 dual two beam auxiliary headlamps shall be provided and mounted on Steel bar mounted on front push frame. Uprights To be 1 ½ square tube with a 1/4x2x2 angle as A horizontal mount for plow lights. The headlamp circuit shall be connected to the truck headlamp circuit via a special plug in harness that cancels the truck headlights and operates the plow lights. This harness does not require a transfer switch.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Switch panel shall consist of:

Switches for the control of the PTO,
Amber LED lights, rear spinner light
shall be located on a panel which is enclosed
in the dash and mounted within convenient
view and reach of the driver when in an upright
seated position. The switch panel shall have 6
switches factory installed

Wiring shall consist of:

The original equipment wiring running to the
tail lights shall not be cut, spliced or
tampered with in any way. If it becomes
necessary to disconnect this wiring in order
reroute it **Must** be disconnected inside the tail
light terminal box and reconnected there upon
completion.

The wiring harness supplied by Whelen for the
LED system, spreader light and
the auxiliary tail light/turn signals shall
be employed for that purpose.

This harness shall be used with out cutting
or splicing and shall terminate **only** in the
two rear corner posts and in the truck cab.
Wiring for marker lights, clearance lights,
backup alarms or other electrical accessories
whether specified or not shall be connected in
a waterproof box located at the rear of the
chassis frame and the feeder shall run
continuously to the instrument panel.

These wires shall not be spliced anywhere
along their length, nor shall any connection
be made to the LED system harness except
in the cab of the truck.

Back-up alarm shall consist of:

A class C 97 db. electronic back-up alarm
shall be placed in a protected location at
the rear of the chassis frame and shall be
energized by the back-up light circuit of the
truck chassis.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Spreader light shall consist of:

A PAR 36 LED light enclosed in a rubber housing shall be attached to the lower left rear of the dump body.

This light shall illuminate the area covered by the discharge pattern of the material spreader.

Trailer electrical socket shall consist of :

A standard 7 way Bargman socket Model 12-707 shall be wire to standard code and shall be installed in an appropriate location adjacent to the pintle hook.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

COMPLIES W/SPEC?

Are specified

YES

NO

MATERIAL SPREADER

Material spreader shall be Swenson model

SADS 6 direct drive

Material spreader shall be located below the dump body tailgate.

Trough shall consist of:

Fabricated of 7 gauge 304 stainless steel plate with self-formed channels at front and rear edges for additional strength.

Continuous welds throughout.

Ends extend above main trough section to prevent spillage of material.

Trough is 96" long overall.

Lower section of trough shall be hinged to allow for easy clean out.

Slide bolt type latches shall be employed to latch the trough bottom closed as well as to hold the trough cover in the vertical position, thus eliminating the need for tools to operate or maintain the unit.

Trough cover shall consist of:

7 gauge 304 stainless steel plate cover hinged to trough at rear edge, capable of being hinged down to trough top to prevent entrance of material during dumping operations.

Cover shall also be capable of being locked into the vertical position to form anti-spill plate during spreading operations.

Cover shall hinge open completely for cleanout of oversized pieces of material.

Auger shall consist of:

2 1/2" O.D. schedule 80 pipe.

6" diameter continuous flighting shall be welded to the center core, with the street end reverse flighted to the discharge.

A baffle plate which is fabricated of 304 stainless steel shall be provided over the opening to stop material flow when auger is at rest.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

COMPLIES W/SPEC?

Are specified

YES

NO

Auger shall be supported by one relubricatable self aligning ball bearing at the street end and by the drive motor on the curb side end. Bearings shall be flange type, enclosed in ductile iron housings.

Auger drive shall consist of:

Orbital type hydraulic motor with 1 ½" minimum geroter. The motor shall be coupled directly to the end of the auger shaft employing a stainless steel sleeve which is equipped with a keyway and a key thus to drive the auger.

Spinner assembly shall consist of:

Disc shall be fabricated of polyethylene 18" diameter.
Spinner motor shall be orbital type hydraulic motor with 2.8 C.I.R. displacement.
Spinner assembly shall be removable by pulling two pins to facilitate storage.
The spinner disc shall remain parallel to the pavement surface regardless of dump body position. This shall be done by means of a self leveling hanger bar group.
Stabilizer bar is not acceptable.

Hydraulic lines shall consist of:

All hydraulic hoses shall comply with S.A.E. 100 R 2 and be ½" inside diameter.
Auger and spinner pressure lines and a master return line shall be attached to the truck hydraulic system using snap type hydraulic quick couplers which are arranged in a reversed configuration to prevent improper hookup.
The couplers on the rear of the truck shall be equipped with protective covers.
The spinner return line shall be furnished with a hydraulic quick coupler and connected to the return circuit at the auger motor.
This will facilitate removal of the spinner assembly from the trough for storage.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Mounting shall consist of:

The spreader shall be mounted to the dump body with stainless steel hard ware and by use of pins and hair pins.

After initial installation, removal and remounting shall be accomplished with out use of tools.

Painting shall consist of:

The machine shall not be painted

Miscellaneous

The entire spreader, excluding the auger, auger bearings and hydraulic motors shall be 304 stainless steel.

All fasteners shall be stainless steel.

SNOW PLOW SYSTEM

Snow plow shall consist of:

Western Pro Plow model IUTPP 10' at the cutting edge. 31 1/2" minimum blade height.

Moldboard shall be constructed of 12 ga. minimum steel with no fewer than eight vertical ribs.

Moldboard shall be equipped with four extension springs and 2 shock absorbers.

Two adjustable cast disc shoes 1" thick minimum shall be furnished to set cutting edge height.

Hydraulics shall consist of:

Lift cylinder shall be 2" X 8"

Angle cylinders shall be 2" x 12"

Lines to the angle cylinders shall be ` equipped with snap type quick couplers reversed to prevent incorrect hookup.

Snow plow hydraulics shall be powered and controlled by the central hydraulic system of the truck.

The unit shall be detachable by two quick disconnects.

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TRUCK 2. SPECIFICATIONS

MINIMUM REQUIREMENTS

Are specified

COMPLIES W/SPEC?

YES

NO

Mounting frame shall consist of:

Custom designed Western Ultra Mount mounting for the specific truck chassis.

The mounting shall be designed to allow for detachment of the hydraulics, lift frame and lights as well as the snow plow by 2 quick release levers. This shall be possible with out use of any tools. Universal or bumper mountings are not acceptable. Mounting frame and related materials shall be the manufacturer's best heavy duty, suited for municipal use on the truck chassis described in these specifications.

Lighting shall consist of:

Dual two beam head lamps with combination park and turn signals shall be furnished and mounted on the brackets designed and furnished by the snow plow manufacturer.

These lights shall transfer to the plow without the use of switches .

Markers and accessories shall consist of:

The moldboard shall be equipped with end markers to clearly indicate to the operator the exact position of the end of the plow blade. Markers shall be vinyl encapsulated spring wire with an integrally wound coil at the base to absorb shock.

A rubber deflector shall be furnished and attached to the top of the moldboard with a retainer bar.

Trailer Hitch shall consist of:

A 2'' receiver hitch shall be installed and properly braced on the rear of the chassis frame. The height from the ground to the bottom of the receiver hitch shall be determined by customer at time of installation. Safety chain loops shall be provided adjacent to the hitch location.

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PRICING FOR SPECIFICATIONS

ITEM	PRICE
1. 2019 Ford Super Duty F 250 4X4 with Snow Plow and Spreader or equal	
2. 2019 Ford Super Duty F550 4X4 with Snow Plow and Spreader or equal	
TRADE IN VEHICLE	PRICE
1.2003 International 7400 DT With Plow and Spreader 6513 Hours	
2.2005 Ford F550 Dump Truck With Plow and Spreader 93,256 Miles	
3.2008 Ford F250 Pickup Truck 64,588 Miles	
TOTAL PURCHASE PRICE:	

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CERTIFICATION AND SIGNATURE PAGE

Vendor certifies that is has not been barred from contracting with a unit of State or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 as amended. YES: _____ No: _____

Under penalties of perjury, I certify that my correct Federal Tax Identification Number is: _____

I am Doing Business as a (please check one):

- Sole Proprietorship
- Partnership
- Corporation (State of Incorporation: _____)
- Other: _____

State full names, titles and address of all responsible principles and or partners below:

Name: _____ Title: _____

Address: _____

Name: _____ Title: _____

Address: _____

I have carefully examined the Bid, Scope of Work, Specifications and any other document accompanying or made a part of this Bid. I hereby propose to furnish the goods or services specified in the bid.

I verify that all information contained in the proposal is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit a Bid on behalf of the firm as its act and deed, and that the firm is ready, willing, and able to perform if awarded the contract.

Individual/Company/Corporation: _____

Business Address: _____

City, State and Zip Code: _____

Printed Name: _____ Title: _____

Original Signature: _____

Phone Number: _____ Email: _____

Date: _____

End of Document