

**ITB# 6731– SINGLE AND TANDEM AXLE DUMP TRUCKS
PRICE SHEET**

Item	Qty	Description	Unit Price	Total
1.	1 ea	2024 or later Single Axle Dump Truck with Central Hydraulic System and 11' body Chassis: _____ Dump Body: _____ Central Hydraulic System: _____ Body/Central Hyd. System Installer: _____ Tarp System Proposed: _____ Snow Plow Proposed: _____		\$ _____
2.	2 ea	2024 or later Tandem Axle Dump Truck with Central Hydraulic System and 14' Body based on one of these transmission options: Straight Drive: Automatic: Chassis: _____ Dump Body: _____ Central Hydraulic System: _____ Body/Central Hyd. System Installer: _____ Tarp System Proposed: _____ Snow Plow Proposed: _____ _____	\$ _____ \$ _____	\$ _____ \$ _____
2A				
2B				

COMPLETE AND RETURN PRICE SHEET WITH BID PACKAGE

COMPANY NAME: _____

**CITY OF JOHNSON CITY
PUBLIC WORKS DEPARTMENT**

ITB# 6731 - SINGLE AXLE DUMP TRUCK CHASSIS SPECIFICATIONS

Oct. 2023

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in the areas of specification agreement. Variations must be clearly identified in the bidder’s equipment column. Failure to comply with any part of the bid specifications will not remove that bid from consideration but will indicate a variance on which the City alone will determine the importance to the overall performance of the item and suitability for the intended purpose. Equipment bid is to be new, unused and of the Manufacturer’s latest model. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a unit ready for use.

General

This specification describes a diesel powered conventional cab truck chassis to be fitted with an 11-foot heavy duty dump body. This truck will also be equipped with a snowplow and salt spreading equipment and the additional hydraulics needed to operate these will be furnished and installed by the body supplier. Other features to be included on this truck are an air operated tailgate latch system, electric tarp system, heavy duty snow plow, and double-acting hoist cylinder. The truck chassis **shall be the manufacturers latest production model** and delivered fully winterized and ready to operate.

All bidders shall provide two (2) copies of descriptive literature detailing the truck model bid.

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

2024 or current model **Aluminum Conventional Cab**
Chassis meeting dimensional characteristics listed below
(State Make and Model)

Cab- shall be thermal insulated, reinforced side skins,
and reinforced structure on the back wall of the day
cab.

Wheelbase - **not to exceed 161”**

Cab-to-axle - 92”

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Minimum 60" after frame

BBC – 105" ± 4"

List actual

Front Axle-to-bumper – 41" to 49" ±

List actual

Turn radius (curb to curb) not to exceed
26 feet – Please specify

turning radius

GVWR 40,000 lb. minimum
(state actual GVWR as furnished)

GVWR

Engine

DEF Engine, fully electronic, in-line 6 cylinder, turbocharged
diesel, **nominal 9-liter displacement**, 370 HP,
1250 lb-ft torque. Cummins ISL9-370 with Jacobs
Compression brake

Provide a minimum 6-gallon diesel exhaust
fluid tank

Engine block heater

Transmission and Equipment

Allison MD3000-RDS wide ratio 6-Speed electronic,
geared to support speeds from 70-75 MPH with
PTO provision for direct drive PTO & Hydraulic
Pump.

Electronic Control Unit, Standard mount, lever
selector shift control or manufacturers standard

All speed parameters shall be applicable for
snow clearing operation

Suspension

Front axle: 14,000 lb. min. with power
steering

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Front spring: 14,000 lb. min. with shock absorbers

Single speed rear axle: 26,000 lb. with driver controlled locking differential geared compatible with transmission for normal highway speed (75-78 mph). Gear ratio in range of ± 5.36 (Please state) Must include larger brake pads for 26,000 lb. rating

Rear suspension: 31,000 lb. leaf spring with helper springs

Frame

Heavy duty frame: 15.9 SM 110,000 PSI Sgl channel frame rails with 1/4" thick full length reinforcement with zinc coating

Bolted frame with Huckbolt fasteners

Frame 'C' type both rails

Brake Equipment

Full air brakes-cam type front and rear (wedge type not acceptable)

Air brake ABS – full vehicle wheel control system

Air Comp, 18 CFM Minimum

Air Dryer, Bendix AD-9 Heated

Brake Dust Shields

Drain Cocks – Manual with pull cable

Parking Brake, Maxi II Spring Set RA

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Automatic Slack Adjusters Front _____

Automatic Slack Adjusters Rear _____

Moisture Ejectors, Auto Htd, BWDV-2 _____

Air parking brake _____

Chassis air lines for towing with gladhands
at end of frame _____

Electrical

Alternator: 130 amp minimum _____

Batteries – (3) 12-volt 2250 CCA total _____

Provide wiring harness and dash mounted switch
for connecting and operating snow plow lights _____

Trailer connection socket, 7-way, mounted
at rear of frame _____

All lights except for headlights shall be LED _____

Cab

Fuel tank: 45 gal. min., L H or RH mount _____

Horizontal muffler with vertical exhaust pipe
right side mounted with safety guard _____

Cab assist grab handles _____

All windows to be Power and tinted glass _____

Steering Column fully adjustable _____

Front tow hooks _____

Tilting hood with stationary grille _____

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Front frame extension – 12” _____

Front bumper – steel, swept back _____

Heavy duty high cool radiator
1000 sq. in. min. _____

Temperature control fan clutch _____

Positive & negative power leads for two-way
radio hook-up (CB radio accommodation pkg) _____

Gages: Speedometer, odometer, tachometer,
oil pressure, voltmeter, water temperature,
air pressure, fuel gauge _____

AM-FM Bluetooth radio with speakers _____

Air conditioning, all season _____

Heater, defroster _____

Dual air horns on cab _____

Electric horn _____

Dual west coast mirrors w/heaters with
separate 8” convex mirror both sides &
RH down-view mirror- with Auxiliary
Factory hood mirrors _____

Two-speed electric wipers with delay
(intermittent) and washers _____

Seating

Seat belts lap and shoulder _____

Driver, air suspension, high back, durable fabric
or vinyl upholstery, with air lumbar support _____

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

2-passenger seat mid-back fixed, std trim,
durable fabric or vinyl upholstery

Tires & Wheels

Front Tire Size & Mfg.

Tubeless radial 11R22.5-16 ply equal
to Michelin XDN2 or equal

Front Wheels

Hub piloted, Budd steel wheels or Accuride
steel 22.5 x 8.25 1 pc

Rear Tire Size & Mfg.

Tubeless radial 11R22.5-16 ply equal
to Michelin XZE or equal

Rear Wheels

Hub piloted, Budd steel wheels or Accuride
steel 22.5 x 8.25 1 pc

Other Items

Color - White

OSHA approved back-up alarm

Rear mud flaps - one pair

Fuel/water separator

All manufacturers standard equipment

Provide two (2) copies of owner/operator manual
and one (1) copy of shop repair manual

Include four (4) ignition keys

COMPANY NAME: _____

BIDDER MUST COMPLETE AND RETURN THIS FORM FOR EACH UNIT BID:

Brand/Model _____

Service Information: Vendor to state location of authorized service facility and average response time, as this may be a consideration in the bid award:

_____ Service Location

_____ Response Time

Warranty Information: Vendor to state warranty period offered by the manufacturer in writing in detail. **Minimum three (3) years 100,000/miles**

1) Engine: _____

2) Transmission: _____

3) Drive Train/Axles _____

4) Undercarriage: _____

Extended Warranty Information: Vendor to state any extended warranties offered by the manufacturer in writing and in detail with any associated cost if applicable.

1) Engine: Five (5) Years Parts and Labor _____

2) Transmission: Five (5) Years Parts and Labor _____

3) Drive Train/Axles: Five (5) Years Parts and Labor _____

Delivery: Vendor to state the best possible delivery date, as this may be a consideration in the bid award. _____

COMPANY NAME: _____

COMPANY NAME: _____

**CITY OF JOHNSON CITY
PUBLIC WORKS DEPARTMENT**

**ITB# 6731 - SINGLE AXLE DUMP TRUCK 11' DUMP BODY WITH
CENTRAL HYDRAULIC SYSTEM SPECIFICATIONS**

Oct. 2023

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in the areas of specification agreement. Variations must be clearly identified in the bidder's equipment column. Failure to comply with any part of the bid specifications will not remove that bid from consideration but will indicate a variance on which the City alone will determine the importance to the overall performance of the item and suitability for the intended purpose. Equipment bid is to be new, unused and of the Manufacturer's latest model. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a unit ready for use.

General

This specification describes a heavy duty construction type dump body to be mounted onto a truck chassis with single rear axle. The body supplier is also required to furnish an appropriate transmission mounted power-take-off with hydraulic pump, central hydraulic system and 10' snow plow. Other required features include double-acting telescoping hoist for raising and lowering the bed hydraulically, electric tarp assembly, a pneumatically operated tailgate latching system.

All bidders shall provide two (2) copies of descriptive literature, including a line sheet for body features, detailing the make and model number of component equipment they propose to furnish and list on the Bid Form the make and model of the central hydraulic system to be installed. The body and central hydraulic system furnisher/installer shall have at least 3 years' experience with body manufacturing/installation and at least 2 years' experience with central hydraulic systems installation similar to the specified system. Installer shall include at least two (2) references for body and central hydraulic systems installations completed within the past 3 years.

BODY DIMENSIONS AND FEATURES

The dump body provided shall be a continuously horizontal braced style. The floor, sides and main long sills are to be full length with no cross splices. All boxed areas of the dump body shall be sealed. All welds shall be continuous. All hinge pins shall be removable. The sidewall to floor connection shall be curved or chamfered. A right-angle joint is not acceptable. The body style will incorporate a chamfer for the full length of the floor and side wall. Chamfered should be 8"x 1/4" with a leg length of ±5" on the side and 4" on the floor. 4" @ 5.4 lbs/ft channel cross members on approx. 12" centers. 8" @ 11.5 lbs/ft channel sub frame for body and hoist full chassis length.

Type: Contractor's material hauling for mounting on a nominal 92" CA single axle truck dimensioned as follows:

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Dump body capacity of 7/9 cubic yards _____
Length: 11' _____
Outside width: 96" _____
Inside width: 88" _____
Side Height: 32" _____
Side board provision (pockets) : 6" _____
Tailgate height: 38" _____
Tailgate slope: not more than 6". Vertical is acceptable _____
Bulkhead height: appropriate for model truck chassis selected,
bottom of cab shield to be max 5" or suitable to clear any horns,
lights, or accessories on top of cab _____
Cab shield length: 20" _____
Cab shield width: 90" _____
Cab shield front: 4" _____
Cab shield wind deflector: furnished with tarp system _____
Manufacturers standard rear mud flaps _____

Material:

Floor: 1/4" AR-400 _____
Hoist well to be the same material as the floor _____
Sides and tailgate: 3/16" AR-400 _____
Bulkhead: 3/16" Extra High Tensile _____
Top Rail: 3/16" A-500 Grade B tubing with inverted angle to
shed material or 3/16" extra high tensile formed box self
shedding _____
Rear post: 1/4" high tensile steel _____
Tailgate horizontal bracing: 10 gauge high tensile _____
Cab shield: 10 gauge high tensile steel _____

COMPANY NAME: _____

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

Fender/Bottom rail: 10 gauge high tensile steel

Continuous welding along all seems. Provide one or two horizontal braces in tailgate as required for proper strength and stability. Body side bracing is not required unless deemed necessary by the manufacturer. Deflector plates sloped at 59° and inside chamfers at 45°.

Extra Features:

Tailgate to be double acting with chains, pins inside tailgate.

Steps up front sides of body

Lights, reflectors, and mud flaps per Motor Vehicle Safety standard #108 including running lights

Safety support strut and back-up alarm per OSHA #1926.602

Front corner lights

Four (4) U-hooks on tailgate for chains when gate is chained open for spreading rock – two each side

“C” style tailgate hinges with single removable holding pin

50,000 lb frame reinforced pintle hook

Stop and tail light mounted in rear post at least 5’ above the road with at least 4 square inch lens area

All lights shall be LED

8-6” MS6 light amber warning strobes on body- 2 shall be on front of cab shield on each side, 1 on each side of cab shield, 1 on each front lower corner of body, and 1 on each rear post facing aft.

Heavy duty electric tarp assembly with cab mounted controls

Air operated tailgate latch with cab mounted controls

All cab mounted controls to be located within easy reach of the operator

Open and closed position indicator to be clearly visible at the control switches

Maintenance manual

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

TARP SYSYEM

Heavy Duty electrically operated tarp system with under-body mounted torsion spring, Mountain Tarp Flip Tarp model K612DE or equal. Donovan *Flash* model with clamshell spring enclosure is also acceptable.

Features:

Heavy duty extruded roller with wind guard (deflector) and side plates

12-volt direct drive motor with minimum 1 HP rating

Spring assembly with 3/8" thick aluminum spring plates, 5/8" diameter torsion spring, 7/8" flange bearings, steel hex shaft

Extruded aluminum one-piece arms with 30° bend, 1/4" sidewall thickness, 1/2" top and bottom thickness, 7/8" diameter galvanized crossover bar, 0.110 wall thickness with rubber donuts

Tarp to be 100% polypropylene, 20 mil, tight mesh fabric with construction characteristics of wrap=60, fill=50, and 3/4 basket weave. Examples are Gorilla Mesh Fabric; Gator-Mesh #40050, or equal

HOIST

Type: Single front mounted telescopic double-acting cylinder with minimum 48-degree dump angle. 6"; 3-stage

Pump: Powered by Transmission mounted PTO and designed for continuous operation during snow removal operations. See central hydraulic section

Controls: See specification for central hydraulic system.

Hoist frame: Suitable for style of body and hoist.

Oil tank: As required for central hydraulic system – see central hydraulic specification.

Mounting:

The dump bed shall be mounted 4" to 5" back from the cab as required for proper hinging and frame component clearance.

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Rear Overhang (back of tire to end of bed) should be $\pm 15''$.
The front mounting brackets on each side of the frame shall be drilled and bolted, not welded to the frame. (High tensile strength 5/8" cap screws minimum grade 8 must be used.)

Painting: Body to be cleaned, shot blasted and primed prior to painting. Paint shall be a high quality two-part polyurethane or acrylic urethane – color to be black.

Reference Models

The following truck bodies are understood to meet these specifications and are listed for reference purposes:
Rogers Manufacturing Co. Inc, -- R style dump body
Other manufacturers bodies meeting these specifications will be considered.

CENTRAL HYDRAULIC SYSTEM

HYDRAULIC PUMP:

The hydraulic pump shall be a U.S. manufactured axial piston pressure and flow compensated load-sensing type. The pump shall be cast iron construction and rated to 6.00 cubic inches per revolution at maximum stroke which will deliver 24.7 GPM @ 1000 engine RPM. The pump shall have a 2" inch suction line and 3/4" case drain line plumbed directly back to the reservoir. The pump shall be rated for 3000 PSI maximum and 2500 PSI continuous. The pump shall have a severe duty, high pressure outboard Teflon shaft seal that protects the pump shaft bearing and seal from external contamination and salt spray. The pump shall have a 1 1/4" keyed drive shaft and SAE type C mounting flange. The pump shall be **Force America FASD45L-KIT** or prior approved equal.

RESERVOIR/ VALVE ENCLOSURE:

The hydraulic reservoir will be of 35 gallons nominal capacity.

The hydraulic reservoir will be constructed of 10-gauge steel and be internally baffled.

COMPANY NAME: _____

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

Mounting bracket is to be designed and supplied by the reservoir supplier.

Mounting system should allow for a 1” frame clearance for frame obstructions.

Shall be mounted in a manner as to not transmit any truck torsional loads thru the tank.

The enclosure will use a gasket-less passive technology. (No rubber seals, gaskets, or weather stripping.)

The enclosure lid will be removable within seconds by one person without the use of tools.

All valve fittings, hose ends, filter, filler breather, sending units and any electrical connections are to be protected by enclosure cover.

The reservoir supplier will provide all valve fittings (JIC connections) and plumb the return line from the valve to the filter.

The cover will protect from both road and pressure washer spray.

The use of bulkhead fittings is not permitted.

The directional control valve must be easily accessible from all (6) sides without the use of tools.

Hose exit and entrance must allow for components to be mounted adjacent to the enclosure

A 2” full flow brass ball valve shall be plumbed at the suction port of the tank.

The valve/tank assembly shall be a **Force America model VT35 Valve/Tank Assembly** or prior approved equal.

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

FILTER:

Hydraulic oil filter shall be mounted in the reservoir. Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM. Filter shall be model **TEF31016VG16SP-UG60E115** or pre approved equal and include visual and electrical bypass indicators. A warning light shall be mounted in the cab and wired to the electrical indicator. The system shall be delivered with one spare filter element.

HYDRAULIC CONTROL VALVE: (Add-A-Fold 4020)

The hydraulic valve shall be of a modular design. Each hydraulic function requires an individual manifold base. The manifold base shall consist of an inlet section with SAE # 16 inlet porting, SAE # 20 outlet porting, and SAE #4 load sensing porting. There shall be a main system relief in the inlet section to protect the system from high pressure in case the pump compensators fail. The dump body manifold shall be stacked next to the inlet section, and capable of 40 GPM with SAE # 12 porting. All valve manifolds shall be manufactured from 6061-T6 aluminum and be anodized to MIL-A-8625-F specifications. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. Each hydraulic valve segment shall have individual pressure compensation to achieve independent simultaneous operations. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors. All coils shall operate at 12VDC and require a maximum of 1400 mile-amps. Each segment shall be equipped with manual override. The dump body segment shall be rated to 40 GPM, with all other segments rated at 20GPM. If a double acting hoist is utilized, the dump body segment shall be equipped with a down side relief to protect the body down function. This relief shall be set to the hoist manufacturers specifications. The valve

COMPANY NAME: _____

CITY’S SPECIFICATIONS

shall include a main relief set at 2500 PSI. Valve segments shall be FORCE America Add-A-Fold 4020 model or pre approved equal.

Specify: _____

BIDDER’S EQUIPMENT

THE VALVE IS TO BE ARRANGED AS FOLLOWS:

Hoist 4-way 40 GPM cylinder spool with 500 PSI down side work port relief valve

Plow lift 4-way 21 GPM cylinder spool

Plow angle 4-way 21 GPM cylinder spool

Auger 2-way 14 GPM proportional cartridge

Spinner 2-way 7 GPM proportional cartridge

Pre-wet 2-way 7GPM proportional cartridge

HYDRAULIC LINES AND PLUMBING:

All hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system. Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps, radiator hose clamps unacceptable. All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating. Return lines and case drain shall have minimum SAE 100-R1 rating.

Hydraulic lines shall be routed to minimize interference with equipment and chassis components requiring periodic servicing. Support brackets, grommets, and tie wraps shall be provided where appropriate to protect lines from damage by abrasion, cutting or impact.

Hoses shall not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent wear, fatigue, or fire. Pipe fittings are not acceptable in any high-pressure line. Maximum distance between support clamps on all hydraulic lines shall be 24in.

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CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Material Spreader & Pre-Wet System

One ½ inch I.D. high pressure, two-wire braid hydraulic hose supply line from the flow control valve to the end of the chassis for spreader spinner motor

One ½ inch I.D. high pressure, two-wire braid hydraulic hose supply line from the flow control valve to the end of the chassis for liquid pre-wet pump.

One ¾ inch I.D. high pressure, two-wire braid hydraulic hose supply line from the flow control valve to the end of the chassis for the spreader auger or conveyor motor.

One 1-1/4 inch I.D. hydraulic return line hose from the spreader control valve through hydraulic filter to the hydraulic reservoir (bypass line)

Spreader hoses shall be securely mounted at rear of the truck frame. When observed from the rear of the truck they should appear in left to right order – ½” spinner pressure with female coupler, ½” spinner return with male nipple, 3/4” auger return with male nipple and ¾” auger pressure with female coupler, ½” pre-wet pump pressure with female coupler, ½” pre-wet pump return with male nipple. Connectors to be compatible with Aeroquip Series 5600 and Parker series 6600 and furnished with rubber protection caps.

Mounting bracket shall be metal stamped at each connection with an “SP” “SR” “AR” “AP” “LP” “LR” for purpose of identification. All high pressure hoses to be SAE R100/R2. Low pressure hoses to be SAE R100/R1.

Hydraulic Hose System

Minimum 2 inch main supply line from reservoir strainer to pump.

Minimum 1-1/4 inch return line from valve bank through hydraulic filter to reservoir

COMPANY NAME: _____

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BIDDER’S EQUIPMENT

Two (2) ½” I.D. high pressure hydraulic hose of adequate length to operate a plow push frame lift ram

Two (2) ½” I.D. high pressure hydraulic hose of adequate length to operate the power angle cylinder on the snow plow

All wiring shall be terminated with weather proof fittings mounted on a fabricated bracket to be installed next to the hydraulic fittings. Each circuit terminal shall be labeled for easy identification.

ELECTRONIC SPREADER CONTROL:
(5150EXW/JOYSTICK)

The electronic spreader control shall include proportional controls for Auger, Spinner, Pre-wet and Multi-lane Anti-ice spreader functions and shall be integrated into a small, rugged, plastic injection molded, control box. The controller shall also be capable of reversing auger and cross conveyor. The auger, pre-wet and anti-ice functions shall be operable in manual mode, open loop mode, and closed loop mode. Spread rates for granular, spinner, pre-wet and anti-ice shall have the ability to be adjustable inside of calibration. Materials shall be capable of being named. A security code shall be selectable in calibration to lock out undesired changes to the calibration settings. An optional supervisor USB key shall be available for quick access to the calibration menu. While in multi-lane mode the left, center and right lane ball valve outputs shall be controlled by comfortable, backlit rocker switches molded into the controller above display. When all of the lane valves are deactivated, the anti-ice shall enter standby mode automatically.

The controller shall be modular in design for ease of installation and service. The controller shall be capable of being mounted anywhere in the cab. A RAM mount shall be used to allow for easy installation and swivel capabilities. Wiring connectors shall be keyed with wiring labeled throughout. The spreader harness shall include DIN connectors that illuminate when the output is active. All components must be durable for long life and trouble free operation. Spinner and spreader control dials shall be on the right side of the controller to allow for a clear view of the

COMPANY NAME: _____

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

display while being adjusted. The spinner and spreader control knobs shall be color coded and correlated with the granular and spinner settings on the screen. The enclosure shall provide a built in, protective surrounding around the spinner and spreader control knobs to prevent unintentional use and damage to the knobs.

The controller shall include off the shelf integration with PreCise brand GPS/AVL systems for advanced material logging and maintenance reporting. The controller shall also provide onboard current event and season totals for granular and pre-wet materials. An integrated USB port shall be used for data retrieval, firm upgrades and for loading and saving of calibration settings.

The controller shall include a 3.5” high brightness, color, touch screen LCD with adjustable backlighting. The touchscreen shall be used for calibration only and shall not be needed during normal spreading operation. The touch screen shall allow for easy navigation of calibration menus and data viewing menus. The screen shall display warnings for oil level, oil temp, filter bypass, low granular material, low liquid material, granular and pre-wet feedback errors and granular and feedback range errors. Optional audible warnings shall coincide with each visual warning and shall be individually adjustable. There shall also be dedicated red LED on the face of the controller for an additional body up indicator. This LED shall not rely on software of the controller to operate.

The spreader control shall be tested by a SAE certified testing laboratory. The spreader control shall meet all of the following electrical, RF and environmental testing standards within the specific ranges:

Electrical & RF Testing:

- 1) **SAE J1113/4:** BCI- Sweep Range 1-400MHz, Test at 100mA Levels, CW & 1kHz AM 80% Modulations, 15/45/75cm Injection Distances

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- 2) **SAE J1113/11:** Load Dump Test- Test Pulse 5A, 24V System, 150V Peak, Applied 5 times, 10s between pulses
- 3) **SAE J1113/13:** Operating at 4 & 8kV Direct, 4/8kV Air Discharge, 330pF/2kohms, 3 each +/-
- 4) **SAE J1113/21:** Absorber-lined Shielded Enclosure Radiated Immunity- Sweep Range 20-1000MHz, Levels to 100V/m, Use CW, Am and Pulse (800-1000MHz only) Horz & Vert Antenna Polarities, 1 DUT Orientation
- 5) **CISPR 25:** RF Radiated Emissions - Sweep Range 150kHz-2.5GHz, 1DUT Orientation, Horiz & Vert Ant Polarities
- 6) Pass CISPR Class 3 through entire test range
- 7) Pass CISPR Class 4 from 30MHz-2.5GHz

Environmental Testing

- 1) **SAE J1455** – Sine Vibration- Section 4.10.4.1, 2G Test Level, 10-1000Hz Swept Rate TBD, Run for 3 hours per axis
- 2) **SAE J1455-** Random Vibration- Section 4.104.2 (Figures 6 through 8) 5-500Hz, 3 hours per axis
- 3) **SAE J1455-** Operational Shock – Section 4.11, 20g’s, 1ms, ½ Sine Pulse, Apply 3 Shocks each direction each axis (18 Shocks Total)

The electronic spreader control shall be a **FORCE America 5150EX-9F with a 5150EX-REMOTE** joystick console or prior approved equal

SNOW PLOW

These specifications describe a truck mounted, reversible angle, roll-over design style (larger curve at top) snow plow with push frame designed for use on conventional cab trucks rated at 36,000

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BIDDER'S EQUIPMENT

GVWR or greater. The plow unit bid shall be the manufacturer's latest production model with all standard features included and delivered to the City complete and installed. Installation will be done by the body supplier and must include auxiliary snow plow headlights.

Moldboard and Push Frame

10' long by 36" tall (roll-over design) _____

Moldboard weight – approx. 1000 pounds _____

Moldboard of minimum 10 gauge steel reinforced at top and bottom _____

Minimum of six vertical reinforcing ribs _____

Hydraulically operated power angle with two double acting cylinders and cushion valves _____

Heavy duty circular push frame _____

High visibility moldboard end markers _____

Rubber snow shield _____

Rubber cutting edge _____

Safety trip with single heavy duty spring cannon (enclosed spring) _____

Adjustable height running gear assembly with heavy duty wear shoes _____

Reference Models (Other manufacturers comparable models will be considered)

Saltdogg model# 1666210100 or approved equal*

Specify: _____

Hitch

Low profile bumper to frame tilting and drop pin _____

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

hitch for conventional cab truck
to fit make and model noted on bid sheet _____

Minimum 3" x 10" lift cylinder _____

Reference Models (Other manufacturers comparable models will be considered)

Saltdogg model#16400120

TAILGATE SPREADER

UTG Stainless steel Hyd. Tailgate spreader. 6" full
Length steel auger w/ 18" poly spinner disk _____

AUXILIARY SNOW PLOW HEADLIGHTS

Front auxiliary LED headlights shall be
Truck-Lite model 80800 or equal _____

Installer must provide a weatherproof electrical
connector for attaching to chassis plow light harness.
All wiring must be continuous from the chassis
harness to each light – no splices _____

Auxiliary headlights shall be grounded back to
chassis ground with minimum 14-gauge wire. _____

Auxiliary headlights shall not obstruct the
driver's vision and be mounted approximately
64 inches from ground level and spaced at
approximately the same width as truck's
headlights. _____

Each light shall be secured to a fender mounted
3-point assembly bracket made from A-60 aluminum _____

All fasteners attaching the bracket to the fender
shall be stainless and be secured using locknuts _____

Reinforced rubber washers or grommets shall insulate
the bracket from the hood. Fasteners attaching the bracket
to the hood shall be insulated from the hood by a
2-inch minimum diameter rubber washer or grommet and
2-inch minimum diameter plated washer _____

COMPANY NAME: _____

BIDDER MUST COMPLETE AND RETURN THIS FORM FOR EACH UNIT BID:

Brand/Model: _____

Service Information: Vendor to state location of authorized service facility and average response time, as this may be a consideration in the bid award (Body & Snow Plow)

Service Location

Response Time

Warranty Information: Vendor to state warranty period offered by the manufacturer (Body, Snow Plow and Spreader). **Note: Provide complete detailed warranty info.**

Extended Warranties Available: Vendor to state any extended warranties available and associated costs if applicable. **Note: Provide complete detailed warranty information.**

Delivery: Vendor to state the best possible delivery date of the entire unit, as this may be a consideration in the bid award.

COMPANY NAME: _____

**CITY OF JOHNSON CITY
PUBLIC WORKS DEPARTMENT**

**ITB# 6731 – TANDEM AXLE DUMP TRUCK CHASSIS
SPECIFICATIONS**

October 2023

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in the areas of specification agreement. Variations must be clearly identified in the bidder’s equipment column. Failure to comply with any part of the bid specifications will not remove that bid from consideration but will indicate a variance on which the City alone will determine the importance to the overall performance of the item and suitability for the intended purpose. Equipment bid is to be new, unused and of the Manufacturer’s latest model. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a unit ready for use.

General

This specification describes a 2024 or current model diesel powered **Aluminum conventional cab** truck chassis with a set-back front axle design. The truck will be fitted with a 14-foot heavy duty dump body and be equipped with a snowplow and additional hydraulics designed to operate salt spreading equipment. Other features include an air operated tailgate latch system, electric tarp system, and double-acting hoist cylinder. The truck chassis shall be the manufacturer’s latest production model and delivered fully winterized and ready to operate.

All bidders shall provide two (2) copies of descriptive literature detailing the truck model bid.

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

2024 or later model Aluminum Conventional Cab
Chassis meeting dimensional characteristics listed
Below (State Make and Model)

Wheelbase – approximately 175” or as needed
to meet the CT requirements of the body
size and installation dimensions utilizing
the manufacturers set-back front axle design

Cab-to-tandem – ±108” as needed for
proper body installation with ±15” rear

COMPANY NAME: _____

ITB# 6731 – (Item #2) Tandem Axle Dump Truck
Chassis Page 2 of 6

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

overhang (back of tire to end of bed)
and 4" to 5" cab to body dimension

Minimum 50" after frame

BBC – Not to exceed 113"

List actual

Front Axle-to-bumper – 41" to 49"

List actual

Turn radius (curb to curb) not to exceed
31.5 feet – Please specify

turning radius

GVWR 64,000 lb. minimum
(state actual GVWR as furnished)

GVWR

Engine

DEF Engine, ISX15 (Cummins), 470 HP, 1650 torque,
Turbocharged diesel with Jacob compression,

Engine compression release brake -
Jacobs or equal

Front end PTO provision

Engine block heater

Diesel exhaust fluid tank shall be a minimum
of 6-gallon capacity

Suspension

Front axle: 18,000 lb. min. with power
steering and right hand ram assist

Front spring: 18,000 lb. min. with shock
absorbers

Single speed tandem rear axle: 46,000 lb.
with driver controlled locking differential
(both axles) geared compatible with
transmission for on/off highway use &
70 mph top speed- Meritor RT-46-160P
or equal. Please specify gear ratio

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Rear suspension: 46,000 lb. premium rubber suspension Hendrickson Haulmaax, Freightliner TufTrac or approved equal

Frame

Heavy duty frame: 15.9 SM 110,000 PSI Sgl channel frame rails with ¼" thick full length reinforcement with zinc coating

Bolted frame with Huckbolt fasteners

Front frame extension, integral, 12" in front of grille

Grille, stationary chrome

Brake Equipment

Full air brakes-cam type front and rear (wedge type not acceptable)

Air brake ABS – full vehicle wheel control system

Air Comp, 13 CFM Minimum

Air Dryer, Bendix AD-9 Heated

Brake Dust Shields

Drain Cocks – Manual with pull cable

Parking Brake, Maxi II Spring Set RA

Automatic Slack Adjusters Front

Automatic Slack Adjusters Rear

Moisture Ejectors, Auto Htd, BWDV-2

Air parking brake

Chassis air lines for towing with glad hands at end of frame

COMPANY NAME: _____

ITB# 6731 - (Item #2) Tandem Axle Dump Truck Chassis

Page 4 of 6

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Electrical

Alternator: 130 amp minimum

Batteries – (3) 12-volt 2250 CCA total

Provide wiring harness and dash mounted switch for connecting and operating snow plow lights

Trailer connection socket, 7-way, mounted at rear of frame

Cab

Fuel tank: 45 gal. min., R H or LH mount

Horizontal muffler with vertical exhaust pipe right side mounted with safety guard

Cab assist grab handles

All windows to be electric and tinted glass

Front tow hooks

Heavy duty high cool radiator
1000 sq. in. min.

Temperature control fan clutch

Positive & negative power leads for two-way radio hook-up (CB radio accommodation pkg)

Gages: Speedometer, odometer, tachometer, oil pressure, voltmeter, water temperature, air pressure, fuel gauge

AM-FM Bluetooth radio with speakers

Air conditioning, all season

Heater, defroster

Dual air horns to be mounted on top of cab

Electric horn

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Tilt wheel

Dual west coast mirrors w/heaters with separate 8" convex mirror both sides & RH down-view mirror-

Two-speed electric wipers with delay (intermittent) and washers

LED lighting having a total of eight (8) each six inch truck light amber warning strobes on body. Two (2) each shall be on the front cab shield on each side. One (1) each on each side of the cab shield and one (1) each in front lower corner of the body. One (1) each on each rear post facing aft.

Seating

Seat belts lap and shoulder
Driver, air suspension, high back, durable fabric or vinyl upholstery, with mechanical lumbar support, fold down arm rests on left and right side of seat

Single passenger seat, high-back fixed, std trim with heavy duty fabric upholstery

Tires & Wheels

Front Tire Size & Type

315/80R 22.5 min 20 ply
Michelin XZY3 or equal Michelin

Front Wheels

Hub pilot 5hand steel disc wheels - white

Rear Tire Size & Type

Tubeless radial 11R22.5-16 ply Michelin
XDN2 or equal Michelin

Rear Wheels

Hub pilot 2hand steel disc wheels - white

Other Items

Color - White

COMPANY NAME: _____

CITY’S SPECIFICATIONS

BIDDER’S EQUIPMENT

OSHA approved back-up alarm

Rear mud flaps - one pair

Fuel/water separator

All manufacturers standard equipment

Successful vendor shall be required to provide a detailed list of filters, recommended lubricant viscosities, and any other warranty requirements associated with this unit.

Manuals- Provide two (2) copies of operator’s manual And two (2) copies of shop maintenance and repair Manuals along with Thumb drive if available

Keys- Provide six (6) sets of keys for the unit _

Include all other manufacturers standard features and items for a complete and ready to operate machine

Two options for Transmission

Transmission and Equipment

Straight Drive:

Fuller RTO – 16908LL 8-speed+2 low

Clutch- Sized to meet engine and transmission specification ratings

All speed parameters shall be applicable for snow clearing operation

Option for Automatic:

Allison 4500-RDS wide ratio 6-Speed electronic, geared to support speeds from 70-75 MPH

Electronic Control Unit, Standard mount, lever selector shift control or manufacturers standard

All speed parameters shall be applicable for snow clearing operation

COMPANY NAME: _____

BIDDER MUST COMPLETE AND RETURN THIS FORM FOR EACH UNIT BID:

Brand/Model _____

Service Information: Vendor to state location of authorized service facility and average response time, as this may be a consideration in the bid award:

_____ Service Location

_____ Response Time

Warranty Information: Vendor to state warranty period offered by the manufacturer in writing and in detail.

1) Engine: _____

2) Transmission: _____

3) Drive Train/Axles: _____

4) Undercarriage: _____

5) Hydraulics: _____

Extended Warranties Available: Vendor to state any extended warranties available in writing and in detail and associated costs involved (if applicable):

1) Engine: Five (5) Years, 5,000 hrs. _____

2) Transmission: Five (5) Years, 5,000 hrs. _____

3) Drive Train/Axles: Five (5) Years, 5,000 hrs. _____

4) Undercarriage: Five (5) Years, 5,000 hrs. _____

5) Hydraulics: Five (5) Years, 5,000 hrs. _____

Delivery: Vendor to state the best possible delivery date, as this may be a consideration in the bid award. _____

COMPANY NAME: _____

**CITY OF JOHNSON CITY
PUBLIC WORKS DEPARTMENT**

**ITB# 6731 - TANDEM AXLE DUMP TRUCK 14' DUMP BODY
WITH SNOW PLOW AND CENTRAL HYDRAULIC SYSTEM
SPECIFICATIONS**

Oct. 2023

Bidder must complete and return this form for the bid to be considered responsive. A check mark shall be placed in the areas of specification agreement. Variances must be clearly identified in the bidder's equipment column. Failure to comply with any part of the bid specifications will not remove that bid from consideration but will indicate a variance on which the City alone will determine the importance to the overall performance of the item and suitability for the intended purpose. Equipment bid is to be new, unused and of the Manufacturer's latest model. Any omission from the specifications shall not relieve the bidder from the responsibility of furnishing a unit ready for use.

General

This specification describes a 2024 or current model heavy duty construction type dump body with snow plow to be mounted onto a truck chassis with tandem rear axle. The body supplier is also required to furnish an appropriate front mounted, engine driven hydraulic pump and central hydraulic system. Other required features include no underbody cross-members, double-acting telescoping hoist for raising and lowering the bed hydraulically, electric tarp assembly, a pneumatically operated tailgate latching system, high lift tailgate system, and 10' snowplow.

All bidders shall provide two (2) copies of descriptive literature, including a line sheet for body features, detailing the make and model number of component equipment they propose to furnish and list on the Bid Form the make and model of the central hydraulic system to be installed. The body and central hydraulic system furnisher/installer shall have at least 3 years' experience with body manufacturing/installation and at least 2 years' experience with central hydraulic systems installation similar to the specified system. Installer shall include at least two (2) references for body and central hydraulic systems installations completed within the past 3 years.

BODY DIMENSIONS AND FEATURES

The dump body provided shall be a continuously horizontal braced style. No underbody cross-members for support will be allowed. The floor, sides and main long sills are to be full length with no cross splices. All boxed areas of the dump body shall be sealed. All welds shall be continuous. All hinge pins shall be removable. The sidewall to floor connection shall be curved or chamfered. A right-angle joint is not acceptable. The body

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

style will incorporate a rolled radius or chamfer for the full length of the floor and side wall. If curved, the floor to side radius dimension **shall not exceed** 12". If chamfered, the angle should be 45° with a leg length of ±5" on the side and floor.

Type: Contractor's material hauling for mounting on a nominal 108" CT tandem axle truck dimensioned as follows:

Dump body capacity of 12/14 cubic yards _____

Length: 14' _____

Outside width: 96" _____

Inside width: 86" - 88" _____

Side Height: 42" _____

Side board provision (pockets) : 6" _____

Tailgate height: 46" _____

Tailgate slope: Maximum allowable that will work with the high-lift tailgate system but not more than 6". Vertical is acceptable if required for high-lift operation _____

Bulkhead height: appropriate for model truck chassis selected, bottom of cab shield to be max 5" or suitable to clear any horns, lights, or accessories on top of cab _____

Cab shield length: 20" _____

Cab shield width: 90" _____

Cab shield front: 4" _____

Cab shield wind deflector: furnished with tarp system _____

Manufacturers standard rear mud flaps _____

Material:

Floor: 1/4" AR-400 _____

Hoist well to be the same material as the floor _____

Sides and tailgate: 3/16" AR-400 _____

Bulkhead: 3/16" Extra High Tensile _____

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

Top Rail: 4" x 4" x 3/16" A-500 Grade B tubing.

Rear post: 1/4" high tensile steel

Long sills: 1/4" extra high tensile steel with rubber cushion or 2"x8"x3/16" A-500 Grade B tubing with 3/16" full length vertical bracing

Tailgate horizontal bracing: 10 gauge high tensile

Cab shield: 10 gauge high tensile steel

Fender/Bottom rail: 10 gauge high tensile steel

Continuous welding along all seems. Provide one or two horizontal braces in tailgate as required for proper strength and stability. Body side bracing is not required unless deemed necessary by the manufacturer. Deflector plates sloped at 59° and inside chamfers at 45°.

Extra Features:

Tailgate to be double acting with chains, pins inside tailgate

Steps up front sides of body

Lights, reflectors, and mud flaps per Motor Vehicle Safety standard #108 including running lights

Safety support strut and back-up alarm per OSHA #1926.602 front corner lights. Shall have rear corner warning amber LED strobe MS6 or equal

4 U-hooks on tailgate for chains when gate is chained open for spreading rock – two each side

Tailgate hinges with single removable holding pin

50,000 lb frame reinforced pintle hook

Stop and tail light mounted in rear post at least 5' above the road with at least 4 square inch lens area

Hydraulic operated high-lift tailgate system with cab mounted controls with cylinders inside rear posts. High-lift system must be able to operate with the body in the down position.

Heavy duty electric tarp assembly with cab mounted controls

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

Air operated tailgate latch with cab mounted controls

All cab mounted controls to be located within easy reach of the operator

Open and closed position indicator to be clearly visible at the control switches

Maintenance manual and operators manual (**Two Sets**)

TARP SYSEEM

Heavy Duty electrically operated tarp system with under-body mounted torsion spring, Mountain Tarp Flip Tarp model K612DE or equal. Donovan *Flash* model with clamshell spring enclosure is also acceptable.

Features:

Heavy duty extruded roller with wind guard (deflector) and side plates

12-volt direct drive motor with minimum 1 HP rating

Spring assembly with 3/8" thick aluminum spring plates, 5/8" diameter torsion spring, 7/8" flange bearings, steel hex shaft

Extruded aluminum one-piece arms with 30° bend, 1/4" sidewall thickness, 1/2" top and bottom thickness, 7/8" diameter galvanized crossover bar, 0.110 wall thickness with rubber donuts

Tarp to be 100% polypropylene, 20 mil, tight mesh fabric with construction characteristics of wrap=60, fill=50, and 3/4 basket weave

Examples are Gorilla Mesh Fabric; Gator-Mesh #4050, or equal

HOIST

Type: Single front mounted telescopic double-acting cylinder with minimum 48-degree dump angle. 6"; 3-stage

Pump: Mounted to front frame extension as close to radiator as practical, sized as required to operate hoist cylinder and central hydraulic system. Powered directly by engine via driveline connected to front crankshaft pulley and designed for continuous operation during snow removal operations. See central hydraulic section

Controls: See specification for central hydraulic system.

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Hoist frame: Suitable for style of body and hoist.

Oil tank: As required for central hydraulic system,
see central hydraulic specification.

Mounting:

The dump bed shall be mounted 4" to 5" back from
the cab as required for proper hinging and frame
component clearance. Rear Overhang
(back of tire to end of bed) should be $\pm 15"$.

The front mounting brackets on each side of the frame
shall be drilled and bolted, not welded to the frame.
(High tensile strength 5/8" cap screws minimum grade
8 must be used.)

Painting: Body to be cleaned, shot blasted and primed
prior to painting. Paint shall be a high quality two-part
polyurethane or acrylic urethane – color to be black.

Reference Models:

The following truck body is understood to meet these specifications and are listed for
reference purposes:

Rogers Manufacturing Co. Inc, Model #140S1CDACS, Serial# 44752, or approved
equal.

CENTRAL HYDRAULIC SYSTEM

HYDRAULIC PUMP:

The hydraulic pump shall be a U.S. manufactured axial
piston pressure and flow compensated load-sensing type.
The pump shall be cast iron construction and rated to
6.00 cubic inches per revolution at maximum stroke
which will deliver 24.7 GPM @ 1000 engine RPM. The
pump shall have a 2" inch suction line and 3/4" case drain
line plumbed directly back to the reservoir. The pump
shall be rated for 3000 PSI maximum and 2500 PSI
continuous. The pump shall have a severe duty, high
pressure outboard Teflon shaft seal that protects the
pump shaft bearing and seal from external
contamination and salt spray. The pump shall have a
1 1/4" keyed drive shaft and SAE type C mounting

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

flange. The pump shall be **Force America FASD45L-KIT** or prior approved equal.

SHUT DOWN SYSTEM:

A 1" high pressure ¼ turn ball valve shall be installed at the discharge port of the pump. The ball valve shall be rated to 5000 PSI and have SAE #16 ports.

MOUNTING:

The hydraulic pump shall be mounted with shaft centerline parallel to the crankshaft centerline and at a level to create not more than a **three-degree angle** on the driveline. The pump mounting shall be incorporated with a bracket fabricated to mount in the extended frame rails of the truck as far back (nearest the radiator) as possible.

DRIVE LINE:

The hydraulic pump shall be driven directly off the engine crankshaft via a splined driveline to allow for movement. The driveline shall include grease fittings on both u-joints. Driveline shall be a **Force America model 1310 series**.

RESERVOIR/ VALVE ENCLOSURE:

The hydraulic reservoir will be of 35 gallons nominal capacity.

The hydraulic reservoir will be constructed of 10-gauge steel and be internally baffled.

Mounting bracket is to be designed and supplied by the reservoir supplier.

Mounting system should allow for a 1" frame clearance for frame obstructions.

Shall be mounted in a manner as to not transmit any truck torsional loads thru the tank.

The enclosure will use a gasket-less passive

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

technology. (No rubber seals, gaskets, or weather stripping.)

The enclosure lid will be removable within seconds by one person without the use of tools.

All valve fittings, hose ends, filter, filler breather, sending units and any electrical connections are to be protected by enclosure cover.

The reservoir supplier will provide all valve fittings (JIC connections) and plumb the return line from the valve to the filter.

The cover will protect from both road and pressure washer spray.

The use of bulkhead fittings is not permitted.

The directional control valve must be easily accessible from all (6) sides without the use of tools.

Hose exit and entrance must allow for components to be mounted adjacent to the enclosure

A 2" full flow brass ball valve shall be plumbed at the suction port of the tank.

The valve/tank assembly shall be a **Force America** model **VT35** or prior approved equal.

FILTER:

Hydraulic oil filter shall be mounted in the reservoir. Hydraulic filter shall be a 16-micron absolute and rated for no less than 60 GPM. Filter shall be model **TEF31016VG16SP-UG60E115** or pre approved equal and include visual and electrical bypass indicators. A warning light shall be mounted in the cab and wired to the electrical indicator. The system shall be delivered with one spare filter element.

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

HYDRAULIC CONTROL VALVE: (Add-A-Fold 4020)

The hydraulic valve shall be of a modular design. Each hydraulic function requires an individual manifold base. The manifold base shall consist of an inlet section with SAE # 16 inlet porting, SAE # 20 outlet porting, and SAE #4 load sensing porting. There shall be a main system relief in the inlet section to protect the system from high pressure in case the pump compensators fail. The dump body manifold shall be stacked next to the inlet section, and capable of 40 GPM with SAE # 12 porting. All valve manifolds shall be manufactured from 6061-T6 aluminum and be anodized to MIL-A-8625-F specifications. The hydraulic control valves shall be pulse-width modulated, proportionally controlled. Each hydraulic valve segment shall be individually mounted to the manifold base assembly and be serviceable without removing any hydraulic hoses or any other hydraulic valve segments. Each hydraulic valve segment shall have individual pressure compensation to achieve independent simultaneous operations. All segments shall have heavy-duty continuous duty coils and connections shall be with Din connectors. All coils shall operate at 12VDC and require a maximum of 1400 mile-amps. Each segment shall be equipped with manual override. The dump body segment shall be rated to 40 GPM, with all other segments rated at 20GPM. If a double acting hoist is utilized, the dump body segment shall be equipped with a down side relief to protect the body down function. This relief shall be set to the hoist manufacturers specifications. The valve shall include a main relief set at 2500 PSI. Valve segments shall be FORCE America Add-A-Fold 4020 model or pre approved equal.

THE VALVE IS TO BE ARRANGED AS FOLLOWS:

Hoist 4-way 40 GPM cylinder spool with 500 PSI
down side work port relief valve

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

Hoist 3-way 40 GPM cylinder spool

Plow Lift Zero leak 3-way 7GPM proportional cartridge

Plow lift 4-way 21 GPM cylinder spool

Plow angle 4-way 21 GPM cylinder spool

Tailgate lift 4-way 14 GPM cylinder spool

Auger 2-way 14 GPM proportional cartridge

Spinner 2-way 7 GPM proportional cartridge

Pre-wet 2-way 7GPM proportional cartridge

HYDRAULIC LINES AND PLUMBING:

All hydraulic lines and plumbing shall be of sufficient capacity so as not to create heat or turbulence within hydraulic system. Suction line between reservoir and pump shall be a minimum of 2 in. I.D. with a minimum SAE 100-R4 rating and shall be secured on both ends via heavy duty banding straps, radiator hose clamps unacceptable.

All pressure hoses, including signal sense to pump shall have swivel fittings on both ends and have a minimum SAE 100-R2 rating. Return lines and case drain shall have minimum SAE 100-R1 rating.

Hoses shall not be routed near exhaust manifolds pipes, bolts, sharp edges, and exhaust system to prevent wear, fatigue, or fire. Pipe fittings are not acceptable in any high-pressure line. Maximum distance between support clamps on all hydraulic lines shall be 24in.

MATERIAL SPREADER & PRE-WET SYSTEM

One ½ inch I.D. high pressure, two-wire braid hydraulic hose supply line from the flow control valve to the end

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

of the chassis for spreader spinner motor

Tank- 150 gallon TG HCL system hydraulic closed loop.
Ref. LDS-TG100-HCL. Mild Steel Painted

One 1/2 inch I.D. high pressure, two-wire braid hydraulic
hose supply line from the flow control valve to the end
of the chassis for liquid pre-wet pump.

One 3/4 inch I.D. high pressure, two-wire braid hydraulic
hose supply line from the flow control valve to the end
of the chassis for the spreader auger or conveyor motor.

One 1-1/4 inch I.D. hydraulic return line hose from the
spreader control valve through hydraulic filter to the
hydraulic reservoir (bypass line)

Spreader hoses shall be securely mounted at rear of the
truck frame. When observed from the rear of the truck
they should appear in left to right order – 1/2" spinner
pressure with female coupler, 1/2" spinner return with
male nipple, 3/4" auger return with male nipple and 3/4"
auger pressure with female coupler, 1/2" pre-wet pump
pressure with female coupler, 1/2" pre-wet pump return
with male nipple.

Connectors to be compatible with Aeroquip Series 5600
and Parker series 6600 and furnished with rubber
protection caps.

Mounting bracket shall be metal stamped at each
connection with an "SP" "SR" "AR" "AP" "LP" "LR"
for purpose of identification. All high pressure hoses to
be SAE R100/R2. Low pressure hoses to be SAE
R100/R1.

HYDRAULIC HOSE SYSTEM:

Minimum 2 inch main supply line from reservoir
strainer to pump.

Minimum 1-1/4 inch return line from valve bank ITB#

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

through hydraulic filter to reservoir

Two (2) ½" I.D. high pressure hydraulic hose of adequate length to operate a plow push frame lift ram.

Two (2) ½" I.D. high pressure hydraulic hose of adequate length to operate the power angle cylinder on the snow plow

CLOSED LOOP WIRING

All closed loop return signal wiring shall be extended to the rear of the chassis and enclosed within a wire loom secured to the truck frame.

All wiring shall be terminated with weather proof fittings mounted on a fabricated bracket to be installed next to the hydraulic fittings. Each circuit terminal shall be labeled for easy identification.

ELECTRONIC SPREADER CONTROL: (5150EX W/JOYSTICK)

The electronic spreader control shall include proportional controls for Auger, Spinner, Pre-wet and Multi-lane Anti-ice spreader functions and shall be integrated into a small, rugged, plastic injection molded, control box. The controller shall also be capable of reversing auger and cross conveyor. The auger, pre-wet and anti-ice functions shall be operable in manual mode, open loop mode, and closed loop mode. Spread rates for granular, spinner, pre-wet and anti-ice shall have the ability to be adjustable inside of calibration. Materials shall be capable of being named. A security code shall be selectable in calibration to lock out undesired changes to the calibration settings. An optional supervisor USB key shall be available for quick access to the calibration menu. While in multi-lane mode the left, center and right lane ball valve outputs shall be controlled by comfortable, backlit rocker switches molded into the

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

controller above display. When all of the lane valves are deactivated, the anti-ice shall enter standby mode automatically.

The controller shall be modular in design for ease of installation and service. The controller shall be capable of being mounted anywhere in the cab. A RAM mount shall be used to allow for easy installation and swivel capabilities. Wiring connectors shall be keyed with wiring labeled throughout. The spreader harness shall include DIN connectors that illuminate when the output is active. All components must be durable for long life and trouble free operation. Spinner and spreader control dials shall be on the right side of the controller to allow for a clear view of the display while being adjusted. The spinner and spreader control knobs shall be color coded and correlated with the granular and spinner settings on the screen. The enclosure shall provide a built in, protective surrounding around the spinner and spreader control knobs to prevent unintentional use and damage to the knobs.

The controller shall operate a straight blade plow and dump body. The outputs shall be controlled by comfortable, backlit rocker switches molded into the controller above the display. An interlock switch integrated into the back of the controller shall be required to operate the hoist function to comply with all OSHA related regulations. The controller shall be capable of moving the plow up, down, left and right. There shall be a remote mounted joystick console that can be removed in the summer. The joystick console shall offer both plow and hoist control via a single joystick. The joystick shall be dual axis non-proportional with a push button on top. In normal operation, the up/down and left/right axis shall control the front plow. While the pushbutton on top is depressed, the up/down axis shall now operate the dump body and the left right axis shall be dead. The joystick box shall also include three separate knobs to control the spreader rate, spinner speed and liquid pre-wet output rates. The knob shall be color coded to match those on the actual spreader

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

console. There shall also be two rocker switches to operate manual mode on/off and pre-wet on/off. The joystick console shall wire to the main spreader control via a single cable only which can easily be disconnected from either the joystick console or spreader console. There shall be a RAM mount ball on the back for ease of mounting.

The controller shall include off the shelf integration with PreCise brand GPS/AVL systems for advanced material logging and maintenance reporting. The controller shall also provide onboard current event and season totals for granular and pre-wet materials. An integrated USB port shall be used for data retrieval, firm upgrades and for loading and saving of calibration settings.

The controller shall include a 3.5" high brightness, color, touch screen LCD with adjustable backlighting. The touchscreen shall be used for calibration only and shall not be needed during normal spreading operation. The touch screen shall allow for easy navigation of calibration menus and data viewing menus. The screen shall display warnings for oil level, oil temp, filter bypass, low granular material, low liquid material, granular and pre-wet feedback errors and granular and feedback range errors. Optional audible warnings shall coincide with each visual warning and shall be individually adjustable. There shall also be dedicated red LED on the face of the controller for an additional body up indicator. This LED shall not rely on software of the controller to operate.

The spreader control shall be tested by a SAE certified testing laboratory. The spreader control shall meet all of the following electrical, RF and environmental testing standards within the specific ranges

Electrical & RF Testing:

- 1) **SAE J1113/4:** BCI- Sweep Range 1-400MHz, Test at 100mA Levels, CW & 1kHz AM 80% Modulations, 15/45/75cm Injection Distances
- 2) **SAE J1113/11:** Load Dump Test- Test Pulse 5A,

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDERS EQUIPMENT

- 24V System, 150V Peak, Applied 5 times, 10s between pulses
- 3) **SAE J1113/13:** Operating at 4 & 8kV Direct, 4/8kV Air Discharge, 330pF/2kohms, 3 each +/-
 - 4) **SAE J1113/21:** Absorber-lined Shielded Enclosure Radiated Immunity- Sweep Range 20-1000MHz, Levels to 100V/m, Use CW, Am and Pulse (800-1000MHz only) Horz & Vert Antenna Polarities, 1 DUT Orientation
 - 5) **CISPR 25:** RF Radiated Emissions - Sweep Range 150kHz-2.5GHz, 1DUT Orientation, Horiz & Vert Ant Polarities
 - 6) Pass CISPR Class 3 through entire test range
 - 7) Pass CISPR Class 4 from 30MHz-2.5GHz

Environmental Testing

- 1) **SAE J1455** – Sine Vibration- Section 4.10.4.1, 2G Test Level, 10-1000Hz Swept Rate TBD, Run for 3 hours per axis
- 2) **SAE J1455-** Random Vibration- Section 4.104.2 (Figures 6 through 8) 5-500Hz, 3 hours per axis
- 3) **SAE J1455-** Operational Shock – Section 4.11, 20g's, 11ms, ½ Sine Pulse, Apply 3 Shocks each direction each axis (18 Shocks Total)

The electronic spreader control shall be a **FORCE America 5150EX-9F with a 5150EX-REMOTE** joystick console or pre approved equal

AUXILIARY SNOW PLOW HEADLIGHTS

Front auxiliary halogen headlights shall be Truck-Lite model 80800 or equal

Installer must provide a weatherproof electrical connector for attaching to chassis plow light harness. All wiring must be continuous from the chassis harness to each light – no splices

Auxiliary headlights shall be grounded back to chassis ground with minimum 14-gauge wire.

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Auxiliary headlights shall not obstruct the driver's vision and be mounted approximately 64 inches from ground level and spaced at approximately the same width as truck's headlights.

Each light shall be secured to a fender mounted 3-point assembly bracket made from A-60 aluminum

All fasteners attaching the bracket to the fender shall be stainless and be secured using locknuts

Reinforced rubber washers or grommets shall insulate the bracket from the hood. Fasteners attaching the bracket to the hood shall be insulated from the hood by a 2-inch minimum diameter rubber washer or grommet and 2-inch minimum diameter plated washer

SNOW PLOW

Moldboard to be 10' long by 36" tall (roll-over design)

Moldboard weight – approx. 1000 pounds

Moldboard of minimum 10 gauge steel reinforced at top and bottom

Minimum of six vertical reinforcing ribs

Hydraulically operated power angle with two double acting cylinders and cushion valve/s

Heavy duty circular push frame

High visibility moldboard end markers

Rubber snow shield

Rubber cutting edge

Safety trip with heavy duty spring cannon/s (enclosed spring)

COMPANY NAME: _____

CITY'S SPECIFICATIONS

BIDDER'S EQUIPMENT

Adjustable height running gear assembly
with heavy duty wear shoes

Ref. Model #Salt Dogg 1666210100

Hitch

Low profile bumper to frame tilting drop pin hitch
Type for conventional cab truck to fit make and
model noted on bid sheet

Minimum 3" x 10" lift cylinder

Reference Model (Other manufacturers comparable models will be considered)

Salt Dogg 16400120 or approved equal*
Specify:

TAILGATE SPREADER

UTG Stainless steel Hyd. Tailgate spreader. 6" full
Length steel auger w/ 18" poly spinner disk

COMPANY NAME: _____

BIDDER MUST COMPLETE AND RETURN THIS FORM FOR EACH UNIT BID:

Brand/Model: _____

Service Information: Vendor to state location of authorized service facility and average response time, as this may be a consideration in the bid award (Body & Snow Plow)

Service Location

Response Time

Warranty Information: Vendor to state warranty period offered by the manufacturer (Body & Snow Plow). **Note: Provide complete detailed warranty info.**

Extended Warranties Available: Vendor to state any extended warranties available and associated costs if applicable. **Note: Provide complete detailed warranty information.**

Delivery: Vendor to state the best possible delivery date of the entire unit, as this may be a consideration in the bid award.

COMPANY NAME: _____



VEHICLE/EQUIPMENT DELIVERY & ACCEPTANCE PROCEDURES

ACCEPTANCE: DELIVERY DOES NOT MEAN ACCEPTANCE. ALL VEHICLES/EQUIPMENT ARE SUBJECT TO INSPECTION TO ESTABLISH CONFORMITY TO SPECIFICATIONS PRIOR TO ACCEPTANCE.

1. Prior to delivery (if applicable):
 - Tires are to be inspected to insure proper inflation levels.
 - All fluid levels to be checked and corrected as needed.
 - Remove any unnecessary manufacturer's tape, stickers, decals, labels or other items except for the itemized window sticker with e.p.a. fuel economy estimates.
 - Vehicle is to be test driven and all features are to be checked to insure proper operation.
 - Any final assembly or installation of features, equipment or any options must be completed prior to delivery.
 - All necessary repairs and/or adjustments must be made prior to delivery.
2. Vendor must give Fleet Management 24-hour notice prior to delivery (423) 975-2751.
3. Delivery shall be made during regular working hours, Monday through Friday, excluding Holidays.
4. Vehicle or equipment will not be accepted if delivered to the wrong address.
5. Vendor must bring original specification sheets with vehicle delivery and MUST provide certificate of origin when vehicle is delivered along with the Title . Title shall be made out to: City of Johnson City, Tennessee.
6. Vendor must agree to sign the Acknowledgement of Receipt form (*sample form attached*) at time of vehicle/equipment delivery.
7. City has 48 hours (excluding weekends, Holidays, vacation leave) to inspect vehicle/equipment for specification compliance.

Revised May 2017



ACKNOWLEDGEMENT OF RECEIPT VEHICLE/EQUIPMENT DELIVERY

The City of Johnson City acknowledges receipt of the following described vehicle or equipment:

Year	Make	Model	VIN	Price

Above described property was delivered to the specified location.

The City, by accepting receipt of this vehicle(s) or equipment, does not provide insurance coverage on the vehicle(s) or equipment and further declares that inspection has not been completed to determine compliance with City specifications. The City shall take ownership of and provide insurance on vehicles and equipment only after the City ascertains that the vehicles or equipment comply with City specifications. The City reserves the right to reject any non-conforming tender or delivery of vehicles, goods, or equipment.

City Representative

Date

Vendor

Vendor Representative

Date



**SEALED SOLICITATION
GENERAL TERMS AND CONDITIONS**

Read Carefully – if applicable or unless specifically noted otherwise in the solicitation documents

1. ACCEPTANCE, REJECTION AND POSTPONEMENT

Issuance of a bid/rfp/rfq does not commit the City to make an award. The City reserves the right to postpone or reject any or all bids/rfps/rfqs, to waive informalities and to accept the bid/rfp/rfq judged to be in the best interest of the City.

2. ADDENDA

Addenda will be issued to all known interested parties and posted on the City's website (listed above). All addenda issued shall become part of the solicitation documents. It is the vendor's responsibility to determine and acknowledge all addenda issued for a solicitation. No addendum will be issued less than two (2) working days prior to the solicitation opening as per TCA, Title 12, Chapter 4, Part 1, as amended

3. AWARD

An award, if made, shall be to the lowest responsible, responsive bidder(s) or best solicitation meeting quality and performance standards as described in the solicitation documents and whose bid/rfp is determined to be in the best interest of the City. This includes value engineering with the low bidder if cost is over budget. The City also reserves the right to award this product/service based on other contracts in-place (state or cooperative contracts), as may be in our best interest.

4. AWARD PERIOD

The City shall have 60 days to issue a contract. Any contract past that period must be mutually agreed upon by both parties.

5. BID TABULATIONS/RFP/RFQ RESPONSES

Bid tabulations and RFP/RFQ respondent's lists will be posted and available the next business day on our above website. Click on "awarded/opened solicitations".

6. BRAND NAMES

By referencing a product or service name as "or approved equal", the City intends to establish a minimum level of quality by which alternate offers can be judged. If an alternate is offered, the vendor must include complete descriptive literature and specifications that clearly describe the item and how it differs from the referenced item. Vendor reference to literature previously submitted will not satisfy this provision. Unless specified otherwise, it is understood that the referenced product will be furnished. The City alone will determine whether an alternate is equivalent and meets the standards of quality and performance for the City's use. A sample or demonstration may be required at the expense of the vendor.

7. CONDITION STANDARDS

It is understood and agreed that any item offered or shipped as a result of this solicitation shall be new and unused and the manufacturer's latest model unless otherwise called for in the solicitation.

8. CONSTRUCTION DOCUMENTS

If a fee is required for bid documents then only those bidders of record with the issuing office are eligible to bid.

9. DEFAULT

In case of contractor default or failure to provide material or service according to the solicitation, the City may cancel this contract and acquire from another source and may recover any excess cost by (1) invoice; (2) deduction from an unpaid balance due; (3) collection against the bid and/or performance bond; or (4) a combination of the aforementioned remedies or other remedies provided by law. All costs associated with default will be borne by the contractor. The City reserves the right to remove a company in default from the active vendor list for a time period to be determined by the Director of Purchasing.

10. DELIVERY

Delivery/completion schedule must be clearly identified and realistically stated, as this may be a determining factor in the award.

11. DISCOUNT AND PAYMENT

Payment terms are Net 30 following receipt of the material or service and a correct invoice unless otherwise stated in the solicitation document. Discounts for prompt payment will not be considered in the bid evaluation for award. Partial payment will be allowed only if addressed in the solicitation.

12. EQUAL OPPORTUNITY

It is the policy of the City of Johnson City to ensure compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, Part 21; related statutes and regulations to that end that no person shall be excluded from participation in or be denied benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance or any other funding source on the grounds of race, color, sex, national origin, or ancestry. By virtue of submitting a response to this solicitation, vendors agree to comply with the same non-discrimination policy.

13. EVALUATION

Bids/RFPs/RFQs will be evaluated according to the criteria set forth in the document with the degree of importance determined by the City.

14. EXAMINATION OF BIDS/RFPs/RFQs

Bids and associated documents may be examined at the opening. Only the name of the respondent is read aloud for RFPs/RFQs. All solicitations are closed for review and inspection during the evaluation period, prior to award.

15. FOB (FREE-ON-BOARD) POINT

All prices quoted shall be FOB destination, freight prepaid and allowed unless otherwise stated in the solicitation document. The seller pays and bears the freight charges and owns the goods while they are in transit. Title passes at the designated City location.

16. INDEMNIFICATION

The vendor shall guarantee and certify by submitting a response to this solicitation that if successful, they shall indemnify and defend the City against any and all claims or legal actions arising as a result of their performance of the contract, whether or not such claims relate to damages or alleged damages sustained by physical injury to contractors personnel, subcontractors, city employees or other persons, or against any lawsuits arising from alleged or actual patent infringements, and shall hold the City, its various departments, employees, and any and all persons or entities acting on its behalf harmless from the same.

17. INSPECTION

All supplies or materials purchased as a result of this solicitation are subject to inspection and rejection by the City. Rejected materials will be returned at the vendor's expense.

18. INSURANCE

The contractor shall maintain, at their expense, such insurance as required by the solicitation. Such insurance shall protect the City for claims of damages which may arise during operations under this contract whether such operations be by the Contractor or by any subcontractor or anyone directly or indirectly employed by either of them. Any required insurances shall be maintained for the term of the contract and beyond the term of the contract when so required in the solicitation.

19. IRAN DIVESTMENT ACT

Pursuant to the Iran Divestment Act Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with the City of Johnson City; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. The State of Tennessee list is available here: <http://tennessee.gov/generalservices/article/Public-Information-library>

20. LICENSES, FEES, PERMITS

The contractor is responsible for furnishing the proper licenses, fees, and permits required by law to do business with the City of Johnson City in completion of the project. All work shall be done in accordance with the latest building codes, state and federal laws relative to the contract.

21. MULTIPLE ITEM BIDS

The City will determine the successful bidder(s) either on the basis of the individual line items or the total of all items. ALL OR NONE bids must be clearly identified on the bid form and will be considered only if in the City's best interest.

22. NON-BOYCOTT OF ISRAEL ACT

Pursuant to the Non-Boycott of Israel Act Tenn. Code Ann. § 12-4-119 requires that contracts of \$250,000+ to suppliers with 10 or more employees must certify that to the best of its knowledge and belief they are not boycotting Israel pursuant to Tenn. Code Ann. § 12-4-119 and will not during the full term of any award.

23. NON-COLLUSION AGREEMENT

By submitting this solicitation, the agent representing all officers, partners, owners, representatives, employees or interested parties of the vendor's firm certifies to the best of his/her knowledge and belief this bid/proposal to the City of Johnson City, Tennessee has not been prepared in collusion with any other seller, proprietor, or manufacturer of similar products or services. The agent also certifies that the prices, terms and conditions of said bid/proposal have been arrived at independently and have not been communicated by the submitter, nor by any of the aforementioned firm associate to any other seller, proprietor, or manufacturer of similar products or services and will not be communicated prior to the official opening of said solicitation. The agent further states that no official or employee of the City of Johnson City has promised any personal, financial or other beneficial interest, either directly or indirectly, in order to influence award of this solicitation.

24. PARTS AND SERVICE

The successful vendor must be able to provide adequate parts and service for all items awarded. Service location and ability to perform may be a consideration in the award.

25. PENALTIES

Vendors may be removed from our active vendor system for any of the following:

- ◆ Failure to respond to three consecutive solicitations
- ◆ Failure to meet delivery requirements
- ◆ Failure to furnish items as a result of a solicitation
- ◆ Failure to provide service or material as a result of the award
- ◆ Offers of gratuities or favors to any City employee

26. PRE-BID MEETING ATTENDANCE

If attendance is mandatory then only those firms whose names are listed on the pre-bid attendance roster are eligible to submit a solicitation.

27. PRICING

All pricing must appear in the spaces provided on the city's form (if applicable) and be in ink or typed. Changes or corrections by the bidder/proposer must be initialed in ink by the person signing. No corrections may be made in pencil. Unit prices will prevail in case of an extension error. The City will correct math computation errors (unit price & totals). No bid may be altered or amended after bid opening time. Obvious mistakes will be given special consideration upon receipt of written request and full disclosure or evidence regarding pricing error.

28. PROPRIETARY/CONFIDENTIAL INFORMATION

Vendors are hereby notified that all information submitted as part of, or in support of, bids/proposals will be available for public inspection after award, in compliance with Tennessee Statutes unless the vendor additionally identifies a specific area or scope of data or other materials to be protected and details the reasons protection is necessary.

29. PROTEST PROCEDURE

Any protest to the award of a contract by the City of Johnson City shall be submitted in writing to the Director of Purchasing with a copy to the City Manager and delivered not later than seven (7) calendar days from the date of the city's award decision. Such protest must include a protest bond in the amount of \$350 (cashier's check payable to the City of Johnson City) submitted to the Purchasing Director before the City will consider the protest. This protest bond will serve as a guarantee by the protester of the validity and accuracy of the protest. If the protest is denied by the City Manager the bond will be retained to cover costs associated with the protest.

30. QUESTIONS

Questions must be received by the City at least four (4) working days prior to the scheduled opening. No oral interpretations or instructions given by any city employee or any other person shall apply. Changes relative to any solicitation will be in writing, in the form of an addendum.

31. SAFETY STANDARDS

All manufactured items and fabricated assemblies shall comply with applicable requirements of OSHA/TOSHA and any related standards thereto.

32. SAMPLES

Samples will be furnished at no charge to the City. They will remain in the Purchasing Department for testing and evaluation until an award is made. Vendors are responsible for picking up their samples within two (2) weeks after the award. Samples not collected after that time shall become the property of the City. Samples from the successful vendor will be held until delivery is received and accepted as being equal to the sample.

33. SEALED SOLICITATION OPENINGS

Bids will be read aloud at the specified date and time as stated in the document. RFP's/RFQ'S respondent names will be read aloud. All openings are public meetings. Bidders/proposers and interested persons are invited to attend. The City reserves the right to postpone any solicitation opening under circumstances warranting such action, including but not limited to instances when the City receives fewer than two responses.

34. SIGNATURE ON BIDS

When submitting a bid, other than electronically, the bid form must contain the full name and address of the company and be signed in Ink by a person authorized to bind that company to a contract. Submission of an electronic solicitation constitutes acceptance of all terms and conditions. Unsigned paper bids will not be considered, read or tabulated. They may not be signed during or after the bid opening, even if a representative is present.

35. SUBMITTAL OF SEALED BIDS/RFPS/RFQS

Any forms furnished by the city must be completed and returned as specified in the solicitation, otherwise response will be considered as non-responsive. TELEPHONE, FACSIMILE OR E-MAIL RESPONSES WILL NOT BE ACCEPTED. Electronic receipt of bids/proposals is acceptable for those **eligible for online submittal** at: <https://vrapp.vendorregistry.com/Vendor/Register/Index/johnson-city-tn-vendor-registration>. **Paper submittals shall be sealed in an envelope.** No solicitation received after closing time shall be considered. The official time for paper submittals will be that of the date and time clock in the Purchasing Department. For electronic bids the official time is that posted on the website. Late submittals will not be accepted. The City of Johnson City shall not be responsible for technical difficulties experienced by vendors trying to register or submit their bid/rfp response electronically less than one hour prior to the bid/rfp opening time. If not offering a solicitation response, the vendor is encouraged to complete the "Statement of Decline" form and return prior to the opening.

36. TAXES

The City is exempt from Federal excise tax, State, and city sales tax. Contractors are not exempt from the use tax on materials and supplies used in the production of an item or in the performance of a repair or construction contract. Tax exemption certificates will be furnished upon request.

37. TERM OF CONTRACT

Unless otherwise stated, the City reserves the right to purchase like items at the same contract price for a period of one year from the award date subject to agreement of both parties. The City may cancel any contract for cause, or non-appropriation of funds, following written notification of intent.

38. WARRANTY

Unless otherwise specified by the City, all items shall be guaranteed for a minimum period of one (1) year against defects in material and workmanship.

REQUIREMENTS FOR BIDS, REQUESTS FOR PROPOSALS, AND CONTRACTS
BETWEEN THE CITY OF JOHNSON CITY
AND OTHER PARTIES

The City of Johnson City has established the following requirements for use in all bids and contracts between the City and any other person or entity. The following list is mandatory and modifies any bid, contract, or request for proposal, or conditions applicable to, signed by, or let by the City, notwithstanding anything contained in any particular conditions, contract, request for proposal, or bid to the contrary.

In general, the following provisions apply to all such contracts, bids, requests for proposals, contracts requiring bids, and bids containing contracts:

1. The City of Johnson City shall not answer to any contracting party for the furnishing of public records to a person requesting such in accordance with Tennessee law.
2. The City, while it may designate in writing a representative on a particular project, shall only be bound by a majority vote of the Board of Commissioners or by the limited authority delegated to the City Manager pursuant to City Ordinance. No personal representative of the City assigned to a particular project may bind it in excess of the dollar amounts granted to the City Manager by Ordinance, and no personal representative assigned to a particular project may bind the City for an amount equal to or less than the dollar amounts granted to the City Manager by Ordinance without the City Manager's approval.
3. The City shall not in any event waive or limit any claims for damages including but not limited to consequential damages in any contract for any reason or purpose.
4. No decision of an architect, engineer, or personal representative of the City shall be final and binding on the City, unless the City so agrees in any dispute with any

party including but not limited to an architect, a contractor, a subcontractor, an engineer, etc. If the City agrees to be bound pertaining to a dispute, then the monetary limits contained in the City's ordinances regarding the authority of the City Manager shall prevail, and any amounts exceeding the authority of the City Manager shall be referred to the Board of Commissioners for their consideration.

5. The City shall not participate in any mediation or arbitration regarding any agreement to which it is a party, and all matters left unresolved between the City and any other party, person, or entity shall be resolved in a court of competent jurisdiction in either Washington County, Tennessee, or in Federal District Court in Greeneville, Tennessee.

6. No party or other entity shall file a lien of any nature whatsoever against City property, real, personal, or mixed, no matter where that property is located. Should a party or entity contracting with the City or acting as a subcontractor or subsubcontractor file a lien against any property, real, personal, or mixed, owned by the City, then that party or entity shall take immediate steps at its own cost and expense to remove said lien, or the City shall take such steps as it deems necessary and hold the other party or entity liable for any costs and attorneys' fees associated with the lifting of said lien.

7. The City shall exercise its sole discretion before agreeing to any assignments of any contracts or subcontracts regarding any project in which the City is involved. No contract with the City shall be assignable without the City's sole, discretionary, absolute consent.

8. The City shall not be required to supply any information regarding its title to any property in which it has an interest for any purposes regarding the filing of liens.

9. The City shall not waive any claims it has in the making of final payment in any project in which it is involved. The City shall have the right to terminate any agreement to which this document is attached at any time in its sole discretion with or

without cause. In the event the City terminates with or without cause any agreement to which this document is attached, then in such event the City shall be liable only for the actual work and costs that have accrued at or before the date of the City's termination. In no event shall the City be liable for lost profits, consequential damages or incidental damages in the event it terminates a contract with or without cause.

10. Except to the extent allowed by law, the City shall not indemnify and hold harmless any other party, entity, person, their agents, employees, or anyone else in the world for any reason whatsoever.

11. The City shall not waive the rights of subrogation of its insurers or itself for any purpose whatsoever, and the City shall not cause any such endorsements to be placed on any policies to which it is a party.

12. Unless the City elects otherwise, the City shall not provide any "builders' risk" or an "all-risk" or equivalent policy for any reason whatsoever for any project in which the City has an interest, and the contractor or other such party shall assume this responsibility. That builder's risk policy provided by the contractor or other such interested party shall name the City as an additional insured. The City shall not provide boiler and machinery insurance, but shall require such insurance as applicable, depending on the parameters of whatever project is involved. The cost of boiler and machinery insurance shall be borne by the appropriate contractor, subcontractor, or other interested party. The City shall not insure the interests of any other person or entity, nor shall the City add any other person or entity as an additional insured to any of its policies.

13. The City shall not waive any rights regarding the loss of use of the City's property.

14. As to acts or failures to act or any causes of action by any party to a contract, whether that party be the architect, owner, contractor, City, etc., a cause of action shall accrue according to Tennessee law. No contract provision shall shorten the

statutes of limitations, statutes of repose, or the accrual of any causes of action which the City might have against another party or entity. No contract provision shall waive any warranties, express or implied, nor shall any contract limit the standard of care for any particular service or undertaking to that of the locality where those services or undertakings are performed.

15. Any interest to be paid by the City of Johnson City for late payments shall be at the rate of interest at which the City pays on its most recently issued bonds.

16. The City reserves to itself the right to approve the use of any tests, including but not limited to any borings, test pits, geotechnical work, environmental tests, and the like in its own sole discretion. All design professionals, consultants, subcontractors, or the like shall be duly licensed in the State of Tennessee, if licensure in the State of Tennessee is required for the work to be performed by such design professional, consultants, or subcontractors.

17. Notwithstanding any applicable choice of law or conflict of law provisions or decisions, the law of the State of Tennessee shall govern all contracts to which this document is attached.

18. The City of Johnson City shall not provide any legal advice, legal services, surveys, or procure the same for any other party.

19. Upon payment for services as rendered, all design documents and all instruments of service created by design professionals, including but not limited to architects, landscape architects, engineers, etc., shall become the property of the City of Johnson City, Tennessee. The City of Johnson City shall be allowed to use all design documents and instruments of service, including but not limited to bid drawings, shop drawings, reports, specifications, cost estimates, schematic designs, construction designs, and the like for future additions or alterations to the current project or for use in other projects. Any use of the aforementioned designs and construction documents shall be at

the City's sole risk and without liability to the design professional. The design professional's name and seal will be removed from all such design documents prior to the City's use thereof.

20. The City, as the owner of real property that is the subject of or in any way connected to any bid, request for proposal, or contract, hereby grants to the successful bidder/proposer/contractor the general management of the real property during the time that work is being performed, and the City agrees to transfer information specified in OSHA regulations at 29 CFR §1926.1203(h)(1), so that TOSHA/OSHA shall treat the successful bidder/proposer/contractor as the host employer when working in confined spaces. This paragraph applies only to those areas where the successful bidder/proposer/contractor has access to and performs work within confined spaces as defined in federal OSHA regulations. The successful bidder shall comply with all federal OSHA and state TOSHA regulations, including those regarding confined spaces.

September, 2017



STATEMENT OF SOLICITATION DECLINE City of Johnson City, Tennessee

NOTE: If you do not intend to respond to this solicitation, please complete and return this form on or before the stated deadline to Purchasing Department, P. O. Box 2150, Johnson City, TN 37605 or via e-mail: purchasing@johnsoncitytn.org

We value your feedback and ask that you complete the following:

Solicitation No.: # _____

Solicitation Name: _____

We, the undersigned, decline to submit on the above solicitation for the following reason(s):

_____ Insufficient time to adequately prepare a response

_____ Our company does not offer this product or service. Remove us from the vendor list

_____ Our schedule will not permit us to perform in a timely manner

_____ We are unable to meet bond requirements

_____ We are unable to meet insurance requirements

_____ We are unable to offer comparable product or service

_____ We are unable to meet specifications (explain below)

We understand that if this statement is not completed and returned, our company may be deleted from the City's solicitation list for this commodity or service.

Company Name: _____

Address: _____

Signature: _____

Telephone: _____

E-mail: _____

Date: _____