



City of Saint John

Request for Proposal

2024-232002P – 43,000 Lb. Cab and Chassis Single Axle Truck

“PROPOSAL 2024-232002P – 43,000 Lb. Cab and Chassis Single Axle Truck”

will be received until 4:00:00 p.m., ADT, Wednesday, May 22nd, 2024, for the supply and one or more 43,000 Lb. Cab and Chassis Single Axle Truck (s) as per the enclosed specifications, terms, and conditions.

The lowest or any proposal not necessarily accepted.

Mike Lewis
(506) 658-2930

Issue Date: Tuesday April 23, 2024

**REQUEST FOR PROPOSAL
2024-232002P
43,000 Lb. Cab and Chassis Single Axle Truck**

SECTION 1 – PROPOSAL REQUIREMENTS

1.0 TO: DEALERS BIDDING ON ENCLOSED SPECIFICATIONS

This letter is intended to clarify the intent of the City with regards to the proposed purchases.

1. This RFP contains one specification: 478-24.
2. In addition to the specifications contained within this RFP an Options section has been added as well. The City of Saint John wishes to consider a number of options to the minimum specifications and each of these are listed in the Options section with a reference to the minimum specification they refer to. Proponents are asked to quote in the Options section the corresponding cost.
3. Should the City of Saint John, upon review of the proposal submissions, choose to replace any item(s) contained in the minimum specification of each truck bid, with an item contained in the Options page, the proposed price will be adjusted accordingly.
4. Given that this is a "Proposal Call", all deviations from the minimum specifications will be considered and weighed to assess their effect on the performance of the unit as a whole. Final determination for the acceptance or rejection of deviations from the minimum specifications rests solely with the City of Saint John.
5. The term "standard" is defined as that equipment listed or shown as standard equipment at no extra cost in the manufacturer's publications on the proposed equipment.
6. All bids shall be on the "Proposal of Furnishing" form supplied by the City and shall be in accordance with policies on file in the City of Saint John's Supply Chain Management Office.
7. Failure on the part of the vendor to supply the equipment as awarded in accordance with the terms, conditions, and specifications of the proposal or by the date stated for delivery is a serious matter which may result in the immediate cancellation of the order.

Vendors who anticipate problems or delays are advised to communicate their concerns to the Supply Chain Management Department. This information will assist the City in determining a course of action but may not mitigate the vendor's responsibility or financial obligations.

8. PROPOSALS RECEIVED BY FAX WILL NOT BE ACCEPTED.

2.0 WARRANTY/DELIVERY/REGISTRATION

1. Warranty

Proponents are to state specifically any and all warranties covering this/these vehicles. If manufacturer's extended warranties are available, please state extra cost, if any and provide details. Complete unit to be serviced in Saint John during the warranty period without additional charges incurred by the City of Saint John for travel, parts or labour.

2. Standard Equipment

All items listed as Standard in the Manufacturer's Specifications to be included with the vehicle upon delivery.

3. Manufacturer's Specifications

Complete specifications and illustrated description shall be submitted with each bid. Insufficient descriptive information may be cause for rejection of the bid.

4. Vehicle Delivery Inspection Sheet

A Vehicle Delivery Inspection Sheet will be provided to the successful vendor with the issuance of a Purchase Order; this form must accompany the vehicle upon delivery.

5. Delivery

Vehicle(s) and/or attachment(s) are to be delivered as per instructions and in accordance with the requirements of the tender. Deliveries will be accepted by the Manager of Fleet Administration (or his designate) 175 Rothesay Avenue, Saint John, NB.

The successful proponent upon delivery must provide:

- Completed "City of Saint John Vehicle Delivery & Information Sheet" (supplied with Purchase Order)
- Copy of NVIS Card
- Electronic Service Manuals
- Keys
- Bill of Sale (Copy of Invoice)

The City of Saint John reserves the right at any time to inspect additions or modifications to the vehicle prior to its delivery.

6. Motor Vehicle Inspection, Licensing and Registration

Current and valid Province of New Brunswick Motor Vehicle Registration with license plates, inspection certificate and sticker where required by law are to be in place at time of vehicle/equipment delivery.

In the event that the successful bidder is either a distributor or a manufacturer, importing the vehicle/equipment from the United States (or any other country other than Canada), current and valid Province of New Brunswick Motor Vehicle Registration with license plates, inspection certificate and sticker where required by law are to be in place at time of vehicle/equipment delivery. If successful distributor/manufacturer is unable to comply with these requirements and is able to substantiate this inability to the City's satisfaction, the following documentation must accompany the vehicle/equipment at the time of delivery:

- 1) Certificate of Origin or Certificate of Title, both signed-off for transfer; and
- 2) Completed Vehicle Import Form – Form 1 from the Canada Border Services Agency (CBSA); and
- 3) Proof that 13% Harmonized Sales Tax (HST) has been paid (i.e. invoice, receipt, etc.).

7. Tire Levy

Any and all tire levy charges must be included in the bid price.

3.0 EVALUATION CRITERIA

4.1) Quality and completeness – 5%

Is the proposal presented in an organized and professional manner? Is it in the format required and does it address all of the items and concerns expressed?

4.2) Minimum Specifications – 35%

Does the equipment bid comply with minimum specifications? If not, are the deviations from specifications within acceptable limits and/or do they enhance the serviceability of the equipment?

4.3) Delivery – 15%

Although no performance surety has been requested, proponents are required to quote a firm delivery date. Has the proponent offered a delivery date that is realistic and attainable?

4.4) Service Response Time – 10%

Is the proponent able to respond to all service requirements within one (1) business day, including travel time?

4.5) Value Added – 5%

Has the proponent provided additional innovative solutions to the requirement?

4.6) Cost – 30%

Cost will be a factor, however neither the only factor nor the determining factor, in the evaluation of bids.

4.0 EVALUATION OF PROPOSALS

The lowest proposal bid may not necessarily be accepted. The City of Saint John reserves the right to accept or reject any or all proposals. Proponents may be requested to supply supplemental information after the closing date to support their proposal. Proponents may be asked either in person or by phone for an interview to discuss aspects of their proposal.

5.0 SUBMISSION OF PROPOSALS:

Proposals are to be submitted via email to:

supplychainmanagement@saintjohn.ca

Proponents shall submit:

- one (1) signed technical proposal and supporting information in pdf format, clearly identified as “2024-232002P – 43.000 Lb. GVWR Cab and Chassis Single Axle Truck – Technical Proposal”;
- and
- one (1) signed financial proposal and supporting information in pdf format, clearly identified as “2024-232002P – 43.000 Lb. GVWR Cab and Chassis Single Axle Truck – Financial Proposal”.

to the attention of:

Mike Lewis, SCMP
Procurement Specialist
Supply Chain Management

SECTION 2 – STANDARD TERMS AND CONDITIONS

GOVERNING LAW, TRADE TREATIES AND POLICIES

This procurement will be in accordance with the laws of the province of New Brunswick and the federal laws of Canada.

This procurement is also subject to the following Policies, Legislation and Internal Trade Agreement(s) including:

- Canadian Free Trade Agreement
- The Atlantic Procurement Agreement
- Agreement on the Opening of Public Procurement for New Brunswick and Quebec (2008)
- New Brunswick Procurement Act and Regulation 2014-93
- City of Saint John Policy for the Procurement of Goods, Services and Construction

ENQUIRIES

Bidders shall promptly examine the bid documents and report any errors, omissions or ambiguities and may direct enquiries or seek additional information in writing by email before the deadline for enquiries to the Authorized Enquiries Contact as set out below. No such communications are to be directed to anyone other than the Authorized Enquiries Contact.

AUTHORIZED ENQUIRIES CONTACT

Mike Lewis, SCMP
Supply Chain Management
Email: supplychainmanagement@saintjohn.ca

It is the Bidder's responsibility to seek clarification from the City on any matter it considers unclear. The City shall not be responsible for any misunderstanding on the part of the Bidder concerning this bid document or its process.

The City intends to confirm receipt of a bidder's communication by way of an email or facsimile in reply. If a bidder has not received a reply, the bidder may wish to resend its communication as the lack of reply may have resulted from a technical problem. The City is under no obligation to respond to enquiries or provide additional information but may do so at its sole discretion.

Responses to inquiries may be distributed to all bidders on the invitation list as having received the bid documents as of the date the response is prepared. The source of the question will not be identified in the response. Verbal information shall not be binding upon the City. Inquiries received after the deadline for enquiries will not receive a response.

SCHEDULE FOR THE BID PROCESS

Issue Date	Tuesday, April 23, 2024
Deadline for Enquiries	4:00:00 pm, ADT, Tuesday May 14, 2024
Deadline for Issuing Addenda	4:00:00 pm, ADT, Wednesday, May 15, 2024
Submission Deadline	4:00:00 pm, ADT, Wednesday, May 22, 2024

The Schedule for the bid process is tentative only and may be changed by the City in its sole discretion.

ADVISORY NOTICE(S)

Periodically, the City of Saint John is required to issue clarification notices to a bid document in the form of Advisory Notices. Normally these notifications will not have a direct bearing on the cost of a project and will not influence bidding.

Bidders are responsible for obtaining all advisory notice(s) issued by the City. Advisory Notice(s) may be obtained from the City's website (www.saintjohn.ca) under the menu option "Tender and Proposals".

Bidders are instructed to sign the Advisory Notice and return it either by fax to (506) 658-4742 or email to supplychainmanagement@saintjohn.ca prior to the closing date.

Failure to comply with the instructions on an advisory may result in rejection of the bid.

ADDENDA

Periodically, the City of Saint John is required to issue notification of changes or corrections to a bid document by way of addenda. Normally these notifications will have direct bearing on the cost of a project and will influence bidding. Therefore, it is important that the City have assurances that bidders have in-fact received the notification(s).

Bidders are responsible for obtaining all addenda issued by the City. Addenda may be obtained from the City's website (www.saintjohn.ca) under the menu option "Tender and Proposals".

Bidders are required to sign and include all addenda with their bid submission.

Failure to include a copy of all signed addenda with the bid submission may result in rejection of the bid regardless of whether or not the changes noted in the addendum are included in the bid submission.

TAXES

The bid price shall be all taxes extra. The City of Saint John shall be invoiced for and pay all applicable taxes related to this bid.

REVIEW OF PROPOSALS

The evaluation committee may invite proponents to meet with the review committee to make an oral/visual presentation in support of their proposal. The City will provide the meeting venue at its cost. The proponent shall bear its own costs related to such meeting.

ADDITIONAL INFORMATION FROM PROPONENTS

The City of Saint John reserves the right during evaluation of the bids to seek further information from any proponent and to utilize that information in evaluation and award without becoming obligated to seek further information from any other proponents.

CLARIFICATION OF BIDS

The City of Saint John reserves the right in its sole discretion to clarify any bid after close of bidding without becoming obligated to clarify any other bid.

NEGOTIATION

The City reserves the right in its sole discretion to negotiate the final terms and conditions of the engagement contract with the most probable candidate for award prior to award of the engagement.

PAYMENT

Payment shall be made on a lump sum basis only after the goods are received or the work is complete and Net 45 Days from date of invoice. Invoices are to be sent to: City of Saint John, Accounts Payable Department, P.O. Box 1971, Saint John, NB, E2L 4L1.

DELIVERY / FREIGHT

The net price on each of the commodity(s) and/or service(s) are to be quoted as F.O.B. delivered to Saint John, NB, prepaid.

RESERVED RIGHTS

The City reserves the right to:

- a) Reject an unbalanced bid submission. For the purpose of this section, an unbalanced bid submission is a bid submission containing a unit price which deviates substantially from, or does not fairly represent reasonable and proper compensation for the unit of work bid or one that contains prices which appear to be so unbalanced as to adversely affect the interests of the City. The City reserves the right to use other bids submitted in response to this bid solicitation or for other like or similar work as a guideline in determining if a bid is unbalanced.
- b) Amend or modify the scope of the Work, and/or cancel or suspend the bid award, at any time for any reason;
- c) Require bidders to provide additional information after the submission deadline to support or clarify their bid submission;

- d) Not accept any or all bids;
- e) Not accept a bid submission from a bidder who is itself, or whose principals, owners or directors are also principals, owners or directors of another entity which is, involved in litigation, arbitration or any other similar proceeding against the City;
- f) Reject any or all bid submissions without any obligation, compensation or reimbursement to any bidder or any of its team members;
- g) Withdraw this bid solicitation and cancel or suspend the bid process;
- h) Extend, from time to time, any date, any time period or deadline provided in this bid solicitation (including, without limitation, the submission deadline), upon written notice to all bidders;
- i) Assess and reject a bid submission on the basis of:
 - (i) information provided by references;
 - (ii) the bidder's past performance on previous contracts;
 - (iii) the information provided by a bidder pursuant to the City exercising its clarification rights under this bid process;
 - (iv) the bidder's experience with performing the type and scope of work specified;
 - (v) other relevant information that arises during this procurement process;
- j) Waive formalities and accept bids which substantially comply with the requirements of this bid solicitation;
- k) Verify with any bidder or with a third party any information set out in a bid submission;
- l) Disqualify any bidder whose bid submission contains misrepresentations or any other inaccurate or misleading information;
- m) Disqualify any bidder who has engaged in conduct prohibited by the bid solicitation;
- n) Make changes, including substantial changes, to the bid solicitation provided that those changes are issued by way of addenda in the manner set out in this bid document;
- o) Select any bidder other than the bidder whose bid submission reflects the lowest cost to the City;
- p) Cancel this procurement process at any stage, for any reason;
- q) Cancel this procurement process at any stage and issue a new bid solicitation for the same or similar deliverables;
- r) Accept any bid submission in whole or in part;
- s) Waive minor non-compliance with the mandatory requirements of the bid solicitation and accept the bid submission; or

- t) Accept a bid submission which contains the following errors:
- (i) error in mathematics – whether this involves the extension of a unit price or an error in addition, the mistake will be corrected and the correct total will be used for evaluation purposes and will be binding on the bidder.
 - (ii) conflict between the written and numerical bid prices. In all cases, the total bid price will be corrected to reflect the written bid price, whether lump sum or unit price (where applicable).
 - (iii) failure to include the contingency allowance in the total bid price (where applicable). If the contingency allowance was not included in the addition, the bid price shall be corrected to reflect its inclusion.

and these reserved rights are in addition to any other express rights or any other rights which may be implied in the circumstances and the City shall not be liable for any expenses, costs, losses or any direct or indirect damages incurred or suffered by any bidder or any third party resulting from the City exercising any of its express or implied rights under this bid solicitation.

By submitting a bid, the bidder authorizes the collection by the City of the information set out at paragraph i) in the manner contemplated in that subparagraph.

Limitation of Liability and Waiver

Each bidder, by submitting a bid, agrees that:

- a) Neither the City nor any of its employees, agents, advisors or representatives will be liable, under any circumstances, for any Claim arising out of this procurement process including but not limited to costs of preparation of the bid submission, loss of profits, loss of opportunity or for any other Claim; and
- b) The bidder waives any Claim for any compensation of any kind whatsoever, including Claims for cost of preparation of the bid submission, loss of profit or loss of opportunity by reason of the City's decision to not accept the bid submitted by the bidder, to award a Contract to any other bidder or to cancel this procurement process, and the bidder shall be deemed to have agreed to waive such right or Claim.

Validity Period

The bid submission constitutes an offer which shall remain open and irrevocable until 90 days after the submission deadline.

CITY OF SAINT JOHN

43,000 LB GVWR CAB AND CHASSIS SINGLE AXLE TRUCK
 Specification: 400-24

Minimum Specifications

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. MODEL			
A. New, Not Previously used			
2. TYPE			
A. Forty-three thousand (43,000) lbs (19,504 kg) GVWR chassis			
B. Wheelbase and cab to axle must be compatible to install and properly operate a 10' U-shaped combination dump body spreader. (See spec #669-24). Wheelbase and Cab to axle must be determined by dump body builder in conjunction with the chassis supplier to allow proper mounting and weight distribution. Dump body to be positioned as close to cab as possible. There must be no excessive open area between the back of cab and front of dump body. This must also accommodate the need to dump hot asphalt into an asphalt spreader, Leeboy Model #8616.			
3. ENGINE			
A. Six (6) cylinder inline, four (4) cycle design automotive diesel engine, designed and rated for vocational application. State make and model. NOTE: Cummins ISX or Detroit DD13 or equivalent. NOTE: "MaxxForce" not acceptable.			
B. Three hundred and forty-five (345) horsepower at fourteen hundred (1,400) minimum manufacturers' rated R.P.M. with a minimum torque of one thousand one hundred and fifty (1,150) lbs (522 KG).			
C. High torque rise (minimum 40 percent)			
D. Electronically controlled			

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SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
E. Must have side of hood intake, firewall mounted, air cleaner with inside outside air with snow door.			
F. Spin on fuel filters			
G. Full flow spin on oil filters			
H. Antifreeze capable of testing to minus forty (-40 degrees C) and shall meet all engine manufacturer's specifications			
I. Engine oil pan life cycle must be of superior quality to withstand harsh winter conditions. NOTE: Warranty for this part must exceed the normal manufacturer warranty by minimum of three years. Specify warranty _____			
J. One (1) block heater, one hundred and twenty (120) volt (1,500 watt) plug hard wired under driver's door			
K. A power take off adapter supplied to fit the engine crankshaft matching a Spicer "U" joint # 5-153			
L. One (1) extra set of engine belts and complete set of filters			
4. TRANSMISSION			
A. Automatic Allison HD three thousand (3000) RDS with dash mounted shifter			
B. Automatic Allison controller to be supplied with push button operation to activate either "power" or "economy" mode.			
C. Must have synthetic transmission fluid			
5. REAR AXLE AND SUSPENSION			
A. Twenty-three thousand (23,000 lb) (10,419 kg) single speed rear axle			
B. Rear axle ratio to provide a maximum of 100kpm (62 mph) specify ratio			
C. Driver controlled traction lock-up device to be installed on the differential with a dash mounted "Red" indicator light showing the differential is "Locked" - "not limited slip"			
D. Heavy duty (Spicer 1810) or equivalent drive line			
E. Power-train components (engine, transmission, driveline, and rear differential) to give these			

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 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
vehicles ample performance to perform their operations while fully loaded on the numerous steep inclines in and around the City of Saint John			
F. Multi leaf helper springs installed on the rear axle			
6. FRONT AXLE AND SUSPENSION			
A. Front axle to be of a rated capacity of not less than twenty thousand (20,000) lbs (9,172 kg)			
B. Set forward front axle			
C. Front springs (leaf type) to be of a rated capacity of not less than nine thousand (9,000) lbs. (4077 kg) GAWR each			
D. Oil filled hubs with sight glass caps			
E. Heavy duty shocks			
7. BRAKES			
A. Full air "S" cam type			
B. Heavy duty air brake chambers on all wheels with spring applied parking brakes			
C. Dust shields on all wheels			
D. Air compressor to have a fifteen (15) C.F.M. rating – engine oil lubricated			
E. Heavy duty air dryer complete with (12) volt heater– Bendix or equivalent with spin on cartridge			
F. Air tanks to have manual drain valves with the wet tank to be equipped with a Bendix BV2 heated automatic moisture ejector			
G. Brake safety check to be installed on rear slack adjusters			
H. Factory installed trailer air brake package to the end of the vehicle frame (last valve). Glad hand outlet ports, glad hands and lines to be installed			
I. Power-train components (Engine, Clutch, Transmission, Driveline, and Rear Differentials) to give these vehicles ample performance to perform their operations while fully loaded on the numerous steep inclines in and around the City of Saint John			
8. STEERING			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
A. Heavy duty power assisted with a slave box or ram assist on the right side			
B. Tilt with an eighteen (18 inch) (45.72 cm) steering wheel			
9. FRAME			
A. Heavy duty vocational, single ½ inch (1.27cm.) "C" channel steel for snowplough operations. Any required reinforcement to be full length. Also, install sill straps (approximately .5" thick X 4" long) on truck frame for dump body chaf protection.			
B. Rated combination of rbm two million (2,000,000) lbs			
C. Frame to include a twenty (20) inch (50.80 cm) front extension with one reinforcing cross member to allow for the installation of an engine crankshaft driven hydraulic pump (Cessna #705231ab) as well as the snowplough harness. The face of this reinforcing member must be at the same angle, relative to the ground, as the face of the harmonic balancer.			
D. Supply and install front bumper			
E. Fully reinforced plate to be installed on rear of frame, Complete with heavy duty pintle hitch, glad hands and seven (7)"blade" terminal trailer cord (RV style.) Must meet or exceed CMVSS requirements for heavy duty pintle hitch installation on tandem truck.			
10. WHEELS AND TIRES			
A. Four (4) – 11 R x 22.5(H) traction tread tubeless type tires on rear			
B. Four (4) – 8.25 x 22.5 steel, painted (grey) hub piloted disc wheels			
C. Two (2) – 425/65 R x 22.5(j) standard highway tread design on front			
D. Two (2) – 12.25 DC x 22.5 steel, painted (Grey) hub piloted disc wheels			
11. EXHAUST			
A. Right side frame mounted vertical muffler and exhaust pipe - not cab mounted			
B. Heat guard protected			

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SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
C. Any flex pipe used to be of stainless steel			
D. OPTION: Horizontally mounted muffler under right side of truck must be protected from spray off spinner and not interfere with sander unit			
E. Exhaust must have (5) yr after- treatment warranty			
12. COOLING SYSTEM			
A. Heavy duty radiator to provide sufficient cooling under severe operating conditions			
B. Silicon quality radiator and heater hoses with silicon approved constant torque worm gear hose clamps to provide leak free service			
C. Equipped with an air/temperature controlled two speed Horton clutch fan.			
13. FUEL SYSTEM			
A. One (1) seventy (70) gallon (265 litres) tank with step located under driver's door (left side)			
B. Flex fuel lines			
C. Fuel/water separator, Racor 1000 FG or equivalent			
D. DEF tank to be a minimum of 9 US Gallons (34 litres) and be mounted as close behind the cab as possible to minimize extension beyond the back of the cab or be under the cab.			
14. ELECTRICAL SYSTEM			
A. High output alternator at low engine r.p.m., with a minimum capacity of one hundred and twenty (120) amp			
B. Three (3) heavy duty maintenance free batteries of eighteen hundred and seventy-five (1875) cold cranking amps at zero (0) degrees Fahrenheit			
C. Batteries to be located so they are easily accessible and un-obstructing in a steel box with an easily removable cover. The cables to be clamped and insulated through the opening			
D. Heavy duty, high torque twelve (12) volt starter with an insulated ground direct to batteries			
E. A waterproof electrical junction box shall be located on the inside frame rail at the rear of the vehicle to permit the connection of the vehicle's operating, back up and box lights			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
F. The following shall be considered the minimum lighting requirements:			
1. Five (5) cab marker lights			
2. Marker lights in west coast mirrors			
3. Left and right dual (facing front) fender mounted turn signals			
4. Wiring at the back of the chassis shall feed from the distribution box mounted inside the frame rails			
G. Stop, tail and turn signal lights to be LED and to be recessed into plate for pintle hitch			
H. One (1) additional interior cab mounted electrical distribution centre complete with a minimum of eight (8) additional twenty (20) amp circuit breaker protected terminals controlled from a dash mounted switch panel and one (1) ignition power source with a 20-amp circuit breaker. This distribution centre to be powered directly from the batteries or starter by means of a continuous duty Borg Warner (part #S55) or equivalent solenoid which is to be ignition key switch activated to permit the installation of additional electrical components as required			
I. Dash mounted control switch to operate plow lights.			
J. Auxiliary wiring harness for front mounted plow and wing lights, park and turn signal to be supplied with chassis. Snowplow light module to have replaceable fuses.			
15. CAB			
A. Severe duty cab, tilt forward fiberglass hood with service access hatches and stationary grille for allowing easy engine access without removing the plow equipment			
B. Driver and passenger seat to be a "National 200-295" high back air suspension type with arm rests or equivalent			
C. Dual sun visors			
D. Sound insulated cab			
E. Dual electric horns			

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SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
F. Dual air horns with covers			
G. Full instrument gauges			
H. Circuit breaker protected			
I. USB power supply			
J. Heavy duty transistorized flashers			
K. Lap and shoulder belts			
L. Heavy duty heater and defroster w/ air conditioning			
M. Factory "standard" AM/FM radio			
N. Supply and install heated West Coast mirrors with lights and one set of eight inch (8") heated convex mirrors (Grote # 12293).			
O. Supply and install Tripod Mount Mirror or equivalent to be mounted on the hood fenders			
P. Grab handles both sides			
Q. Heavy Duty rubber flooring with driver and passenger side rubber floor mats			
R. Variable speed wipers, including intermittent delay			
S. Supply and install power windows and locks, for both cab windows, remote controlled with the switches to be located within easy access for the driver and passenger.			
T. OPTION: Factory installed blue tooth			
U. OPTION: Electronically heated windshield			
V. OPTION: Automatic greaser, to be plumbed to all pivots and pins			
16. COLOR:			
A. Exterior to be manufacturer's standard fleet color- School Bus Yellow			
B. Top of hood to be painted "flat black"			
C. Interior color to be compatible with exterior, other than black			
D. Vendor shall supply paint chips for selection. Final determination of the acceptance of the Manufacturer Fleet color rests with the Manager of Fleet Administration in concert with the user department.			

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SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
17. MANUALS			
A. Shop service, parts information, Technical Service Bulletins (TSB's) shall be provided electronically or through a manufacturer fleet program by the authorized dealer for the life of the truck. - NO EXCEPTIONS			
B. The tire levy and a full tank of fuel shall be included in the tendered vehicle price.			
C. The supplier is responsible for delivering a fully equipped vehicle with compatible components to provide a dependable efficient service. The vehicle shall meet or surpass the mandatory requirements of the Canadian Motor Vehicle Safety Standards and bear the National Safety Mark.			

Attachment – U – Shape Combination Dump Body 43,000 GVWR Single Axle Trucks

CITY OF SAINT JOHN

ATTACHMENT-U-SHAPE COMBINATION DUMP BODY 43,000 LBS GVWR SINGLE AXLE TRUCKS

Specification 669-24

Minimum Specifications

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. U-SHAPE COMBINATION DUMP/SANDER BOX			
B. Supply a single axle truck U-shape combination sand/salt spreader dump body.			
2. MODEL			
A. New, not previously used			
3. TYPE:			
M. U-Shape combination sand/salt spreader dump body			
N. Heavy duty steel constructed			
4. BODY			
A. U-shape combination Dump Body/Spreader with center mounted conveyer chain and left discharge front mounted cross conveyer.			
B. Overall length: 10' (excluding cab shield)			
C. Inside length: one hundred and twenty (120) inches			
D. Side height: Forty-two (42) inches			
E. Tailgate height: Fifty-four (54) inches			
F. Water level capacity: eight point one (8.1) cu. yd.			
G. Dump ("cab") shield suitable to protect the cab of the truck			
H. Front mount hydraulic, three (3) section hoist for spreader applications with minimum rod diameters of 5.5", 4.5" and 3.5"			
I. Twenty (20) ton minimum capacity			
J. Forty-five (45)-degree minimum dump angle			
K. Each section shall be ground and polished			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
L. All steel construction of the box must be ultra high strength steel.			
M. Body floor, sides, tailgate and front Panel to be constructed from min 3/16", Grade 450 minimum thick 180,000 psi high tensile type steel			
N. Body side panel shall be break formed from one piece for added strength and rigidity.			
O. Body long members shall consist of ¼" thick HSLA steel "V" shaped formed sections reinforced with tubular cross members welded to a rear sill of 14" deep x 3/16" thick, minimum 100,000 lbs per square inch.			
P. Front panel shall be sloped for better material flow. Front panel featuring a doghouse fabrication will not be accepted.			
Q. Side panel horizontal reinforcements rectangular tubing 6"x 4" x 3/16". A formed section top capping shall not be acceptable.			
R. Rear post on each side, with a minimum section of 12" x 5" x 3/16".			
S. The rear post shall be designed to host rear mounted recessed light arrangement.			
T. Body sides shall be provided with sideboard pockets to allow insertion of 2" thick sideboards			
U. The body under structure shall consist of:			
1. Two (2) Long members made of ¼" thick, 50,000 psi steel, minimum height: 14" and			
2. Four (4) 3" x 3" x 3/16" cross members			
V. Body side fenders:			
1. Steel fenders shall be adapted to the body side panels with an opening of two (2) inch minimum to allow easy cleaning of the body side panels and it's under structure.			
2. Fenders must be 100% continuously welded on the full length of the body side panels.			
5. TAILGATE			
A. Tailgate shall be reinforced by two (2) vertical posts 5" x 3", 3/16 box section.			
B. Tailgate shall have (3) self - cleaning 7" x 3" x 3/16" horizontal reinforcements.			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
C. The tailgate shall be 100% continuous, fully welded.			
D. Tailgate hinges:			
1. Shall be made of minimum three-quarter (3/4) inch HS steel and shall be reinforced at pivoting points to achieve a total thickness of 1" with pivot diameter of minimum one and one quarter (1 ¼) inch.			
2. Must be grease able with minimum two (2) inch diameter pins			
3. Hinges must be supported by 6" x 4" x 5/8" angle iron			
E. Tailgate should have brackets installed so a "Keep Back 30 Meters" Sign (18" X 41") can bolt to it. When sign is installed, no material shall get trapped between sign and tailgate (self cleaning).			
F. The tailgate latch system will be provided with an over-cam locking configuration to prevent tailgate opening in case of air failure.			
1. An electric switch in cab, mounted on joystick box shall activate dump cylinder. (ignition fed)			
2. Cylinder shall be mounted in such a way that the piston rod is in retracted position when the latch is in locked position to assure a better cylinder rod protection against contamination			
3. Both left and right latches shall be individually adjustable to compensate for wear.			
4. The air tailgate system shall include a pressure protection valve to insure air pressure priority for the truck air brake system. In the locked position, air pressure shall be applied on the air tailgate cylinder to further assist the over centre locking mechanism			
G. Built-in with the tailgate release system.			
H. Grease able rear hinge with minimum two (2) inch diameter pins			
I. Supply a manually operated asphalt hatch 14" X 14" to be center installed and reinforced in the tailgate.			
6. LONGITUDINAL CONVEYER			
A. Conveyor (BWS part # 22200700) to be minimum twenty-five (25) inches wide c/c			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
(Center to Center) with floor made of Ultra High Strength ¼" thick steel			
B. Chain to be 667X self-cleaning pintle type with;			
1. Eleven thousand (11,000) lb minimum tensile strength per strand			
2. Chain flights to be 3/8" thick x 1¼" wide			
3. Pitch of 2.250"			
4. "Breaking" strength must be fortyNine thousand (49,000) lbs. minimum			
5. Must be welded every four (4) links on both sides top and bottom			
6. Each flight-end to be bent upward for better material flow			
C. Driving shaft to be			
1. Made from stress proof (100,000 psi)			
2. Minimum one and three-quarter (1 ¾) inch diameter drive shaft of CRS steel			
3. Minimum one and three-sixteenth (1 3/16)inch diameter driven shaft of "STRESSPROOF" steel			
4. Shall be removable for servicing and bearing replacement			
D. Sprockets shall:			
1. Have seven (7) teeth minimum			
2. Be provided with shoulders on each side to support the conveyor chain links to allow a longer chain life			
E. Drive and Driven shafts shall be mounted on self-aligning ball bearings equipped with grease fittings.			
F. Removable conveyor cover to be three-sixteenth (3/16) inch full length, and made from 180,000 psi steel			
G. Shaft bearings to be self aligning bearings with fittings to allow bearing to be greased			
H. Chain tension provided by grease adjustable actuators with stainless steel piston rods with easy access. Grease cylinder shall be fabricated using u-cup wiper seals. (O-ring fabrication not accepted)			
I. Conveyor chain cover to be 180,000 psi steel			

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 43,000 Lb. GVWR Cab and
 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
J. Speed reducer:			
1. Shall be: fifty (50) to one (1) ratio.			
2. Worm gear type with bronze gear			
3. Shall include the appropriate adapter to direct mount the hydraulic motor.			
4. Hydraulic motor to be Char-Lynn, with ORB ports; complete with speed sensor mounted in motor to function with Dickey John – Control Point System			
K. Main conveyer sub plate shall be provided to prevent contamination of truck components.			
L. Flow gate:			
1. Flow gate shall be of the screw type and infinitely adjustable			
2. The gate shall be provided with scale calibrated in inches and centimeters.			
M. Box hydraulic hoses and fittings:			
1. Shall be of the pressed type SAE 100R2AT or equivalent with stainless steel tube in the box and truck frame. Use properly rated hose size and fittings for hydraulic circuits.			
2. Shall have a minimum burst pressure capacity of four (4) times the maximum working pressure of the hydraulic system.			
7. FRONT MOUNTED TRANSVERSE CONVEYER AND SPINNERS			
A. Transverse conveyer to discharge material on left side. To be front mounted bolted to the frame not to be lifted when body is raised			
B. Conveyer min fifteen (15) inches by sixty-five (65) inches			
C. Conveyer must be fifteen (15) inch wide c/c (Center to Center) (BWS Part # 22200701 or equivalent) with floor made of Ultra High Strength one-quarter (1/4) inch thick steel			
D. Chain to be driven hydraulically by a Char- Lynn motor			
E. Chain to be cleaning type min 180,000 psi steel tensile strength			
F. Spinner to be hydraulically driven			
G. Chain flights one-quarter (1/4) inch thick x one (1) inch wide min			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
H. Shaft bearings to be self aligning bearings with fittings to allow bearing to be greased			
I. Chain tension provided by grease adjustable actuators Quick disconnect spinner, chute assembly (to be adjustable for height), and hydraulic connectors.			
J. Spinner disc to be polyurethane min seventeen (17) inch (42 cm) diameter			
K. Left adjustable and removable spinner chute to be tenelene material with stainless steel supports to guide material to spinner disc			
8. EMERGENCY LIGHTING			
A. Supply and install City of Saint John Grote # STJN-04 LED high intensity type warning lights package as follows NO EXCEPTIONS:			
1. Two (2) Grote # 53962 LED red brake, tail and signal lights (with heat rings) installed on rear of the dump body (one each side) in steel box enclosures fastened securely and connected to the vehicle lighting system.			
2. Two (2) Grote # 77363 LED amber flashing strobe lights (with heat rings) installed on the rear of the dump body above the red (tail & signal) lights in steel box enclosure fastened securely and connected to the amber strobe lights or roof-light on the cab shield.			
3. Four (4) Grote # 92420 Grommets			
4. Four (4) Grote # 67002 Pigtails			
5. Four (4) Grote # 43100 Steel Box Enclosures			
B. Supply and install two (2) Grote # 77453 amber strobe LED warning lights to be mounted on each corner of the cab shield and on pedestals above the tarp system. These lights must be visible from all directions and connected to the cab switch panel. All exposed wiring to be protected and fastened securely. NO EXCEPTIONS			
C. Spinner spotlight on driver side. Spot lamp spinner position to allow clear view by operator			
D. Pilot lights in dash to indicate when all accessory lighting is activated – i.e. rear flashing amber, roof mounted amber and spinner spot lamps			

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 43,000 Lb. GVWR Cab and
 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
E. All lighting must operate in conjunction with the vehicle turn signal, brake and park lighting and comply with Canadian Motor Vehicle Safety Standards (CMVSS) and the Province of New Brunswick Motor Vehicle Standards			
9. ACCESSORIES			
A. Supply and install one (1) "Buyers Products Co." electric tarp kit with 98" telescoping aluminum pivot arm assembly for 11' dump body- NO EXCEPTIONS			
B. Dump body access ladder mounted left side; ladder must be able to be stowed when not in use			
C. The spreader/dump to be equipped with built-in safety bars to support body when raised for maintenance.			
D. The body to be equipped with mud flaps (anti sail) front and rear of wheels, with no advertising on mud flaps			
E. NOTE: The body must be supplied as "ready for installation" without the need to include additional parts or modifications. However, if and where necessary, supply and install a body kit (i.e. sill kit) to ensure the body, or any other component of the body therein (i.e. cross conveyor), is fully and completely prepared for installation on the truck frame.			
F. All grease fittings to be plumbed with plastic lines to a central location for ease of greasing			
10. COLOR			
A. Exterior to be manufacturer's standard fleet color- School Bus Yellow			
B. Vendor must supply paint chips for selection. Final determination of the acceptance of the manufacturer fleet color rests with the Manager of Fleet Administration in concert with the user department			
11. MANUALS			
A. Shop service, parts information, Technical Service Bulletins (TSB's) MUST be provided electronically by the authorized dealer. - NO EXCEPTIONS			

CITY OF SAINT JOHN

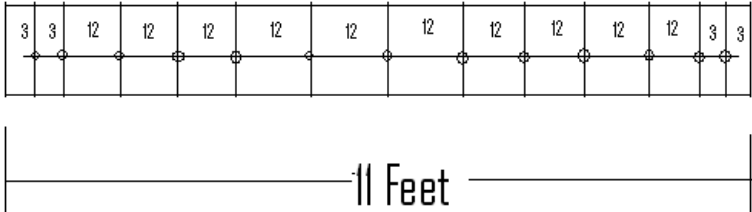
ATTACHMENT-FRONT PLOW, AND HITCH ASSEMBLY 43,000 LB GVWR SINGLE AXLE TRUCKS

Specification:515-24

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. FRONT PLOW ASSEMBLY			
A. Supply and install front plow, quick hitch system and necessary assembly components.			
B. Supply and install "LED" snow plow lights			
2. MODEL			
A. New, not previously used			
3. TYPE			
A. Front plow assembly to incorporate a quick coupling system – Craig QKM-36 truck quick hitch system. NO EXCEPTIONS – The City of Saint John has standardized the hitch to allow interchange ability of plows.			
B. Quick Coupler: Craig Model QKM-36– V Bar type, single point alignment, not hook style. Top of quick coupler must be visible from driver’s seat, for easy hook up. Nitrate shaft pins. Hitch must tilt forward using the lift cylinder to allow the hood to open. NO EXCEPTIONS			
4. PLOW, AND COUPLING SYSTEM			
A. Fully hydraulic, eleven foot (11’) heavy duty power angle front plow with non-stick coating, one piece trip edge and steel blade, adjustable attack angle (setting: 67, 72, and 77 degrees) and high curl. Plow must have oscillation;			
1. Minimum plow angle of 35°, left and right			
2. Drive angle to be 4" x 4" x ¾"			
3. Eleven (11) foot straight cleared path			
4. Eight feet, nine inches (8’9") cleared path at 35° angle			
5. Forty-two inch (42") tall, continuous curve, moldboard			
6. Moldboard to be 3/16" minimum			

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 43,000 Lb. GVWR Cab and
 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
7. Six (6) heavy duty torsion springs:4"OD X 3"ID X 3/4" Wire			
8. Two (2) lifting hooks installed on back of the moldboard			
9. High abrasive steel reversible cutting edge, dimensions: 8" x 132" x 5/8"			
10. Eight (8) vertical ribs	-		
5. CUTTING EDGES AND MOLDBOARD			
A. Plow to be equipped with heavy duty cutting edges.			
B. All components to be supplied and installed.			
C. Cutting edges and mouldboards to be punched to A.A.S.H.O. pattern spacing (inches) for a trip edge with 13 bolts as follows;			
 <p style="text-align: center;">11 Feet</p>			
6. MANUALS			
A. Shop service, parts information, Technical Service Bulletins (TSB's) MUST be provided electronically by the authorized dealer.- NO EXCEPTIONS			

**CITY OF SAINT JOHN
 ATTACHMENT-PLOW TRUCK BRINE EQUIPMENT**

SPECIFICATION: 568-24

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. CONTROL VALVE			
A. Brine Pre-Wetting System – proportional 8 GPM motor spool			
2. BRINE CONTROLS			
A. Control through the Dickey John Control Point salt/brine controller. Vendor must be authorized to supply and support Dickey John Control Point in the Province of New Brunswick.			
3. BRINE HYDRAULICS			
A. Valve to be three (3) way type two (2) positions (pressure, tank return)			
B. Solenoid 12 volts continuous duty			
C. 34 L/min (9 US GPM)			
D. When in cab switch is off, the system is not in operation			
E. Operating pressure: 14 MPa (2000 psi)			
4. BRINE SYSTEM COMPONENTS			
A. Brine fill valve to be two (2) inch "camlock" for loading			
B. Three-way selector valve to be one (1) inch for switching between brine and flush			
C. Minimum of two (2) spray nozzles installed at the top of the spinner in order for the spray is directed to wet the salt as it falls to the spinner disk;			
1. Diaphragm anti-drops type			
2. Spray jet 65° with ¼" inlet			
3. Stainless steel bracket support for the nozzles			
D. Filter required between liquid tanks and liquid pumps			
5. BRINE PUMP			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
A. Pump, motor and flow meter to be in a stainless steel box with hinged door			
B. Driven by hydraulic motor			
C. Brine pump to have relief valve			
D. Flexible coupling between hydraulic motor and brine pump			
E. All components must be protected against corrosion			
F. Pump displacement is calculated for a variable application rate of brine in weight of salt spread with the existing conveyor hydraulic motor			
6. BRINE SYSTEM TANKS AND COMPONENTS (FOR APPLICABLE CHASSIS)			
A. Sixty-eight thousand (68,000) Lb. GVWR- Minimum of four (4) or a maximum of six (6) liquid tanks with a combined total capacity of eight hundred and thirty-three (833) L (220 gal). See spec # 425-21			
B. Forty-three thousand (43,000) Lb. GVWR- Minimum of two (2) or a maximum of four (4) liquid tanks with a combined total capacity of five hundred and sixty five (565) L (150 US gal). See spec # 400-24			
C. All brackets to be installed for tanks above the rear wheels to be of corrosion free material, mounted to the each side of the frame and, not to rise with dump body.			
D. Tanks must include baffles and have Ultra-violet (UV) protection and anti-oxide for outside use only			
E. Must have over fill protection and vent valve to protect "air locking" between brine tanks and flush tank			
F. A low level fluid detector shall be incorporated and will shut off the liquid pump completely if there is no liquid in the tank			
G. All wiring connections must be either weather pack type connectors or sealed from the environment with shrink type sealer on wire joins.			
H. The T connection between the two (2) liquid tanks is 1½" at the liquid tank connection to permit an even loading of the liquid			

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 43,000 Lb. GVWR Cab and
 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
I. Flush system must include a five (5) gallon minimum tank, to be mounted higher than pump, with flow to three way valve.			
J. Supply and install one matching pair of rear wheel fenders to include front and rear facing mud flaps (no advertising)			
7. MANUALS			
A. Shop service, parts information, Technical Service Bulletins (TSB's) MUST be provided electronically by the authorized dealer.- NO EXCEPTIONS			

CITY OF SAINT JOHN
ATTACHMENT-DICKIE JOHN, HYDRAULICS 43,000 LBS GVWR SINGLE AXLE TRUCKS
SPECIFICATION: 567-24

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. VEHICLE HYDRAULIC SYSTEM			
C. Supply and install all necessary components for the operation of the vehicle's hydraulic system (front plow, dump body, Dickey John sand/salt spreader system). Vendor must be authorized to supply and support Dickey John Control Point in the Province of New Brunswick. NO EXCEPTIONS			
2. HYDRAULIC PUMP			
A. Supply and install an engine crankshaft driven hydraulic pump (Cessna 70523LAB) and heavy-duty drive shaft – NO EXCEPTIONS.			
D. The pump shaft spline to be grooved or dimpled to provide a seat for the set screws.			
E. The pump drive shaft yoke to be drilled and tapped to 1/4 inch approx. 120 degrees apart with set screws to prevent the shaft from sliding off the pump shaft.			
3. CONTROL VALVE			

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 43,000 Lb. GVWR Cab and
 Chassis Single Axle Truck

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
O. Supply and install an electrically controlled (12 volt) hydraulic valve (Apitech VPL series) All segments to be:			
1. Load sensed pressure compensated			
2. Equipped with manual override			
3. Spring returned to center			
4. Spool flow limiting adjustments and,			
5. Equipped with appropriate relief valves.			
P. All solenoids, on/off and proportional, must have 100% duty at truck voltage. The valve should be equipped with the following segments:			
1. Plow raise and lower – on/off 10 GPM (A, B port closed in center)			
2. Plow, power angle – on/off 10 GPM (A, B port closed in center)			
3. Plow connect pins – on/off 3GPM (A, B port closed in center)			
4. Dump body raise and lower – on/off 3-way close center 25 GPM			
5. Conveyor chain – proportional - Segment to be equipped with pressure limiter (Pressure relief or work port relief is not acceptable) 15 GPM motor spool			
6. Brine System - proportional 5 GPM (A, B port closed in center)			
7. Dickey John - Spinner – proportional 5GPM motor spool			
Q. Control valve to be installed in a weatherproof Stainless-steel container with a removable sealed access cover for maintenance and mounted behind the cab. This container to be fabricated from 3/16 inch steel with a 1/2 inch drain hole in the bottom. To be glass beaded inside and out, primed and painted (black) with two (2) coats of polyurethane primer and painted Black. The gasket seal to be affixed to the box with a permanent glue (SC2000 or similar), contact cement is not acceptable.			
R. Must supply variable flow control to manually bias the cross conveyor to the main conveyor			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
S. All penetrations to be sealed and done through threaded connections including electrical flexible watertight conduit			
T. Supply and install a fully operational Dickey-John control point sand/salt spreading system complete with all necessary components - NO EXCEPTIONS			
U. Supply and install an electric "low hydraulic oil level" alarm system in the hydraulic tank with a cab mounted "Red" indicator light and audible alarm. This system to be adjusted to come on when the main dump cylinder is approx. fully raised.			
V. Supply and install one (1) high pressure filter (10 micron nominal rating). One (1) 100 mesh suction strainer in the hydraulic reservoir, one (1) spin on return filter. these units to have flow and pressure rating equivalent or exceeding truck pumps maximum delivery and pressure (engine driven Cessna 70523LAB) the capacity of the filters to be flow corrected to oil viscosity 60 sct (steam cracked tar)			
4. HYDRAULIC RESERVOIR			
A. Supply and install one hydraulic reservoir fabricated from 3/16 inch thick stainless steel type 316 and mounted on the right side of the vehicle frame behind the cab with bolt on brackets. All exterior welds to be ground smooth and exterior to be glass beaded for consistent finish. Paint is not required. The reservoir capacity will be 140L (38 Gallons).			
B. The dimensions of the reservoir are to be:			
1. Width fourteen and one half (14.5) inch (37cm)			
2. Length sixteen (16) inch (41cm)			
3. Height thirty (30) inch (76cm)			
C. A baffle plate will be installed to separate the suction side of the reservoir from the return side. It is to extend from the top of the reservoir to two (2) inches from the bottom of the reservoir			
D. A clean out cover of twelve (12) inch minimum dome type bolt through centre on the baffle			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
adapter and shall be installed in a fashion to allow access to both sides of the baffle			
E. All penetrations shall be done with 3000 p.s.i. rated couplings and set with the centre of coupling on the centre line of penetration (1/2 inside of the reservoir and 1/2 on the outside). All penetrations shall have continuous weld fillet both on the inside and outside of the reservoir			
F. The following penetrations shall be installed in the reservoir:			
1. One (1) – two (2) inch N.P.T. threaded coupling for the suction installed on the front (cab) end of the reservoir , three inches (3") from the bottom and three inches (3") from the nearest wall			
2. Two (2) - .75 inch (3/4") N. P. T. Threaded couplings installed at opposite corners in the top at one inch (1") away from the corners			
3. One (1) - .75 inch (3/4") N. P. T. Threaded coupling for the return to be installed on the return side of the reservoir			
4. One (1) - .75 inch (3/4") N. P. T. Threaded coupling to be installed in the bottom of the reservoir with a removable magnetic drain plug			
5. One (1) inch N. P. T. Threaded coupling for the vent filter shall be installed in the top on the outer corner			
G. All penetrations except for the two (2) inch N. P. T. Suction shall be above the oil level and equipped with schedule 40 pipe and equal coupling and installed to terminate two (2) inches from the bottom of the reservoir, cut at a forty-five (45) degree angle and de-burred.			
H. Suction lines to be fitted with a ball valve at the hydraulic reservoir. (Gate valve or globe valve is not acceptable)			
I. Supply and install a five (5) inch Fluid Level indicator complete with temperature indicator facing outward. Must be LBI Industries G1620-05-A-1			
J. Supply and install a Fill-Rite (FR152) hand operated pump assembly with a four (4) foot suction fill hose for filling the hydraulic system. This pump to be located next to the hydraulic			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
reservoir and connected to fill the hydraulic reservoir through the return filter to the hydraulic reservoir, not directly to the reservoir as this is to be a closed system.			
K. Supply and install all relative parts i.e. electrical, hoses and fittings to complete the job			
1. All hoses to be SAE100R2AT except for suction line. Suction line to be 2" diameter SAE 100R4.			
2. All hydraulic hoses and fittings to be Parker to be consistent with the City of Saint John standard.			
L. Supply and install fuse protection on all electrical circuits			
M. Hydraulic system to be flushed and the reservoir cleaned and new LP22B oil to be supplied and installed. Sample to be drawn at time of delivery and oil must have an ISO cleanliness rating of 18/16/13or better.			
N. All hydraulic components to be of heavy duty type as per industry standards and securely fastened as to prevent chafing and/or premature failure. All hoses to be kept a minimum of ten inches (10") from all exhaust components and securely fastened.			
O. Warranty to be one year minimum from date first seasonal use. Warranty must cover delivery of all parts to the City of Saint John and all warranty work must be performed at the City of Saint John vehicle maintenance facility.			
5. CONTROL CONSOLE			
A. Supply and install between the seats in the cab a control console for the operation of the vehicle front plow (connect/disconnect, raise/lower & left/right). Dump (raise/lower), an on/off switch for the Dickey-John controller. The joystick must be Scorpion model EM-BC-D-AP1/LM-M4-C1,2,3,4-01SD, to be consistent with the City of Saint John standard with proportional axis to operate two functions simultaneously through three hundred and sixty (360) degrees of operation			
B. This console is to be adjustable and fastened securely to the cab floor within easy reach of the operator.			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
C. A rocker switch is to be installed in the control console for the front plow connect/disconnect pins. The power to the disconnect side of switch to be fed through a momentary toggle switch to prevent accidental retraction of pins.			
D. A spring-loaded center returning rocker switch is to be used for the dump raise and lower functions.			
E. A spring-loaded center returning rocker switch is to be used for the hopper raise and lower functions.			
F. All switches to be properly labeled and back lighted and will include on/off toggle for a "Master" switch.			
G. All on/off switches, including joystick functions to be protected by diodes. These diodes to be installed at the solenoids with weather Pac connectors.			
6. MANUALS			
A. Shop service, parts information, Technical Service Bulletins (TSB's) MUST be provided electronically by the authorized dealer.- NO EXCEPTIONS			

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Chassis Single Axle Truck

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PROPOSAL FOR FURNISHING

**RFP NO. 2024-232002P
43,000 Lb. GVWR CAB and
CHASSIS TO: THE CITY OF
SAINT JOHN**

ITEM # 1 - SPEC # 400-24 – Item 1.A. – 43,000 LB GVWR CAB & CHASSIS WITH FRONT CROSS MEMBER

The undersigned hereby agrees to furnish the equipment listed in accordance with the specifications on file in the office of the Purchasing Agent and which are attached hereto.

Mfg. Year: _____ Mfg. Make: _____

Mfg. Model: _____ Mfg. Stock Code: _____

Odometer Reading _____ Hours Reading _____

Net purchase price: \$ _____ / Each
Bid price to exclude tax (HST).

ITEM # 2 - SPEC # 669-24 Item 1.A. – SINGLE AXLE U SHAPE COMBINATION SAND/SALTSPREADER DUMP BODY

The undersigned hereby agrees to furnish the equipment listed in accordance with the specifications on file in the office of the Purchasing Agent and which are attached hereto.

Mfg. Year: _____ Mfg. Make: _____

Mfg. Model: _____ Mfg. Stock Code: _____

Odometer Reading _____ Hours Reading _____

Net purchase price: \$ _____ / Each
Bid price to exclude tax (HST).

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ITEM # 3 - SPEC # 515-24 Item 1.A. – SUPPLY AND INSTALL FRONT PLOW, QUICK HITCH SYSTEM AND NECESSARY ASSEMBLY COMPONENTS

The undersigned hereby agrees to furnish the equipment listed in accordance with the specifications on file in the office of the Purchasing Agent and which are attached hereto.

Mfg. Year: _____ Mfg. Make: _____

Mfg. Model: _____ Mfg. Stock Code: _____

Odometer Reading _____ Hours Reading _____

Net purchase price: \$ _____ / Each
Bid price to exclude tax (HST).

ITEM #4 - SPEC # 568-24 Item 1.A. – SUPPLY AND INSTALL BRINE PRE-WETTING – PORPORTIONAL 8 GPM MOTOR SPOOL

The undersigned hereby agrees to furnish the equipment listed in accordance with the specifications on file in the office of the Purchasing Agent and which are attached hereto.

Mfg. Year: _____ Mfg. Make: _____

Mfg. Model: _____ Mfg. Stock Code: _____

Odometer Reading _____ Hours Reading _____

Net purchase price: \$ _____ / Each
Bid price to exclude tax (HST).

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Chassis Single Axle Truck

ITEM # 5 - SPEC # 515-24 Item 1.A. – SUPPLY AND INSTALL FRONT PLOW, QUICK HITCH SYSTEM AND NECESSARY ASSEMBLY COMPONENTS

The undersigned hereby agrees to furnish the equipment listed in accordance with the specifications on file in the office of the Purchasing Agent and which are attached hereto.

Mfg. Year: _____ Mfg. Make: _____

Mfg. Model: _____ Mfg. Stock Code: _____

Odometer Reading _____ Hours Reading _____

Net purchase price: \$ _____ / Each
Bid price to exclude tax (HST).

OPTION PRICES

Specify the ADDITIONAL cost of adding each of the following options as specified (excluding HST):

UPGRADE OPTIONS	PRICE/VEHICLE
SPEC 400-24 ITEM 15. T. OPTION: Factory installed blue tooth.	\$
SPEC 400-24 ITEM 15. U. OPTION: Electronically heated windshield.	\$
SPEC 400-24 ITEM 15. V. OPTION: Automatic greaser, to be plumbed to all pivots and pins.	\$

It is agreed that the unit(s) as bid will be delivered **complete within** _____ **weeks (state number of weeks)** from date of purchase order and that failure to deliver within such period will be cause for deductions from the bid deposit as detailed in this RFP and/or cancellation of the purchase order. Delivery is to be made to the Fleet Management Division, 175 Rothesay Avenue, Saint John, N.B.

COMPANY:	ADDRESS:
NAME:(print)	SIGNATURE:
TEL NO:	FAX NO:
DATE:	REMARKS: