

City of Saint John

Request for Proposal

2021-232005P

TANDEM CAB AND CHASSIS WITH DETACHABLE BODY SYSTEMS

Sealed proposals, hand delivered or couriered, addressed to Mike Lewis, SCMP 1st Floor, Municipal Operations Complex, 175 Rothesay Avenue, Saint John, N.B., E2J 2B4, and marked on the envelope:

“PROPOSAL 2021-232005P – TANDEM CAB AND CHASSIS WITH DETACHABLE BODY SYSTEMS”

will be received until 4:00:00 p.m., AST, Thursday, January 13, 2022, for the supply and delivery of four (4) or more tandem cab and chassis, complete with various detachable body systems, as per the enclosed specifications, terms and conditions.

Proposals will be opened publicly in the main boardroom, 2nd Floor, Municipal Operations Complex, 175 Rothesay Avenue, immediately following the proposal closing time.

The lowest or any proposal not necessarily accepted.

**Mike Lewis, SCMP
(506) 658-2930**

Issue Date: Thursday December 9, 2021

**REQUEST FOR PROPOSAL
2021-32005P
TANDEM CAB AND CHASSIS WITH DETACHABLE BODY SYSTEMS**

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 nine (9) sets of specifications: 425-21, 541-21, 542-21, 543-21, 544-21, 669-21, 670-21, 671-21, 672-21.
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 Materials 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 Materials 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:

Proponents shall submit one (1) one original and four (4) copies of their technical proposal, one (1) original signed financial proposal (in a separate, sealed envelope, labeled as “Financial Proposal”), and one (1) electronic copy of both the technical and financial proposals on a flash drive no later than 4:00pm, local time, Thursday, January 13, 2022, clearly indicating the Proponent’s name and address and marked:

“PROPOSAL NO. 2021-32005P – TANDEM CAB AND CHASSIS WITH DETACHABLE BODY SYSTEMS”

to the attention of:

Mike Lewis, SCMP
Procurement Specialist
Supply Chain Management
1st Floor, 175 Rothesay Avenue
Saint John, NB, E2J 2B4

Please note that:

1. Late proposals or proposals submitted by facsimile will be rejected.
2. The City assumes no responsibility for improperly addressed or delivered proposals.
3. The City of Saint John does not, by virtue of this proposal call, commit to an award of this bid, nor does it commit to accepting the lowest or any proposal submitted, but reserves the right to award this proposal in any manner deemed to be in the best interest of the City.
4. Immediately following the closing time, proposal packages will be publicly opened in the office of the purchasing manager. Only the names and addresses of the proponents will be made public at this time. No other information about the proposals will be disclosed until and only if the bid has been awarded. Proposals will then be forwarded to an evaluation committee for review and recommendation.

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 Trade and Procurement Partnership
- 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
City of Saint John
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	Thursday, December 9, 2021
Deadline for Enquiries	4:00:00 pm, AST, Wednesday, January 5, 2022
Deadline for Issuing Addenda	4:00:00 pm, AST, Thursday, January 6, 2022
Submission Deadline	4:00:00 pm, AST, Thursday January 13, 2022
Date of Award (if applicable)	Monday, January 10 th , 2022

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
TRUCK - 68,000 LB GVWR CAB & CHASSIS WITH DETACHABLE BODY SYSTEMS
(PLOW & WING, SALT/SAND SPREADER BOX, DLA TANK, AND DUMP BODY)
VEHICLE No.'s 614, 618, 621 and 623

SPECIFICATION No. 425-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. MODEL:			
a. New, Not Previously used			
2. TYPE:			
a. Sixty-eight thousand (68,000) lbs (30,844 kg) GVWR chassis			
b. Wheelbase and cab to axle must be compatible to install and properly operate all detachable units. 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 and salter/spreader box to be positioned as close to cab as possible. There must be no excessive open area between back of cab and front of dump body			
c. Please specify wheelbase: _____			
d. Please specify cab to axle measurement: _____			
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.			
b. 410HP @ 1800 RPM, 1,450 LB/FT @ 1100RPM			
c. Electronically controlled			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Must have side of hood intake, firewall mounted air cleaner with inside outside air with snow door.			
e. Antifreeze capable of testing to minus forty (-40°C) Celsius (-40°F) and shall meet all engine manufacturer's specifications			
f. Engine oil pan, if steel, shall be factory coated with rust inhibitor (bonded directly to pan not overlay type) to prevent premature rusting. Please specify warranty for oil pan. _____ Years			
g. One (1) – one hundred twenty (120) volt, one thousand (1,000) watt block heater – hard wired under drivers' door			
h. A power take off adapter supplied to fit the engine crankshaft matching a Spicer "U" joint #5-153			
i. One (1) extra set of engine belts and complete set of filters			
4. TRANSMISSION:			
a. Automatic Allison HD four thousand five hundred (4500) RDS with dash mounted shifter, six (6) speed with PTO gear, oil sensor and less retarder, and shall be matched to engine. Transmission configured for steep hills 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			
b. Automatic Allison controller to be supplied with push button operation to activate either "power" or "economy" mode			
c. Heavy Duty Oil Cooler			
d. Must have synthetic transmission fluid			
e. To be equipped with a dash mounted temperature gauge for monitoring the			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
transmission operating temperature			
5. REAR AXLE AND SUSPENSION:			
a. Tandem rear axles and suspension to be a rated capacity of not less than forty-six thousand (46,000) lbs (20,865.25 kg)			
b. Tandem axles shall be EATON DS/RC (463-P) or MERITOR RT-46-160-P single speed			
c. Hendrickson rear suspension – Haul Maxx Series			
d. Heavy duty transverse and longitudinal torque rods are to be installed on each axle housing			
e. Rear axle ratios to provide a maximum of one hundred (100) KPH (62 MPH). Specify ratio _____			
f. Driver controlled traction lock-up device installed on at least one (1) of the differentials, cab controlled, not limited slip and to include an indicator light			
g. Heavy duty (Spicer) or equivalent drive line.			
6. FRONT AXLE AND SUSPENSION:			
a. Front axle to be a rated capacity of not less than twenty-two thousand (22,000) lbs (9,979 kg) GAWR			
b. Axle position to be determined by chassis manufacturer in conjunction with the body installer, to ensure proper weight distribution and the shortest possible turning radius for maximum maneuverability. Vendor to supply turning radius dimensions. Please state either set forward/set back axle and radius: _____			
c. Front springs (leaf type) to be rated capacity of not less than eleven thousand (11,000) lbs (4,989 kg) GAWR each			
d. "Oil filled" front hubs with sight glass			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
e. Heavy Duty rubber auxiliary bumper spring (ARON) or equivalent on the right spring assembly (wing side)			
7. BRAKES:			
a. Front and rear ABS braking system with traction control			
b. Full air "S" cam type			
c. Heavy duty air brake chambers on all wheels "Anchorlok Life Seal" or equivalent			
d. Spring applied parking brakes on all rear wheels			
e. Dust shields on all wheels			
f. Air compressor to have fifteen (15) CFM rating – Engine oil lubricated			
g. Heavy Duty twelve (12) volt air dryer – Bendix AD-9 or equivalent			
h. Air tanks to have manual drain valves, wet tank to be equipped with a Bendix heated automatic moisture ejector			
i. Self-adjusting slack adjusters on all wheels			
j. Brake Safety check to be installed on rear slack adjusters			
k. 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			
l. Relocate the brake chamber on the rear axle to provide for maximum clearance for the asphalt paver operation (Code 804MAB)			
8. STEERING			
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			
c. Turning radius capable of tight turning for snow plowing in residential areas, such as clu-de-sacs and dead-end streets			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
9. FRAME:			
a. Heavy duty vocational, single Zero point five (0.5) inch (1.27 cm) "C" channel steel for snow plow operations. Also, install sill straps on truck frame for dump body chaffing protections			
b. Rated combination of RBM three million (3,000,000) lbs (1,360,777 kg) and shall have minimum yield strength of one hundred ten thousand (110,000) P.S.I.			
c. One (1) extra double cross member ten (10) to fourteen (14) inches (25.4 to 35.56 cm) behind the cab for snow plow wing installation			
d. Fully reinforced frame with a twenty (20) inch (50.80 cm) front extension complete with cross member to allow for the installation of an engine crankshaft driven hydraulic pump (Danfoss 100cc LS) as well as the snow plow harness. The face of this reinforcing member must be at the same angle, relative to the ground, as the face of the harmonic balancer			
e. Supply and install front bumper			
f. Fully reinforced plate to be installed on rear of frame. Complete with taillights, heavy duty air operated pintle hitch, safety chain rings, glad hands and seven (7) inch (17.78 cm) "pin type" terminal trailer cord. Must meet or exceed CMVSS requirements for heavy duty pintle hitch installation on tandem truck			
g. Pintle height, to the bottom of the eye, unloaded is twenty-one point five (21.5) inches (54.6 cm)			
10. WHEEL AND TIRES:			
a. Eight (8) – 11 R X 22.5 (H) Winter ice type traction tread tubeless type tires on rear			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
b.Eight (8) – 8.25 X 22.5 steel, painted (grey) hub piloted disc wheels			
c. Two (2) – 425 / 65R X 22.5 (J) aggressive highway tread design tires on front			
d.Two (2) – 12.25 X 22.5 steel, painted (grey) hub piloted disc wheels			
11. EXHAUST:			
a. Left side frame mounted vertical muffler and exhaust pipe - not cab mounted			
b. Heat Guard Protected			
c. OPTION: Horizontal muffler mounted under right side, must be protected from spray of spinner and not interfere with sander unit			
d. Exhaust must have five (5) year 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. Radiator must not be compromised in any way for the allocation of frame mounted hydraulic pump			
d. Equipped with an air/temperature controlled two (2) speed Horton clutch fan or equivalent			
13. FUEL SYSTEM:			
a. One (1) eighty-eight (88) Imperial gallon (400 ltr) tank with step located under driver's door (left side)			
b. Flex fuel lines			
c. DEF tank to be a minimum of nine (9) US gallon (34 ltr) and mounted as close behind the fuel tanks as possible to			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
minimize extension beyond rear of cab or placed under cab			
14. ELECTRICAL SYSTEM:			
a.High output alternator at low engine RPM's with a minimum capacity of one hundred and sixty (160) amps			
b.Three (3) heavy duty maintenance free batteries of eighteen hundred seventy-five (1875) cold cranking amps at minus seventeen point seventy-seven (-17.77°C) Celsius (0°F)			
c. Batteries to be located so they are easily accessible and un-obstructing in a steel box with and easily removeable 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 connection of the vehicles' operating and box lights			
f. The following shall be considered the minimum lighting requirements and are to conform with CMVSS Certification			
i. Five (5) cab roof marker lights			
ii. Marker lights in west coast mirrors			
iii. Left and right dual (facing front) fender mounted turn signals			
iv. Left and right tail, stop and self cancelling directional lights			
v. 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			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
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 twenty (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. Truck body and chassis must be equipped with all lighting required under Motor Vehicle Safety Standards as per Federal (Canadian) and Provincial (New Brunswick) highway requirements			
k. Chassis to have a body builder wiring package to rear of vehicle with stop, turn and reverse			
l. Auxiliary wiring harness for front mounted plow and wing lights, park and turn signal to be supplied with chassis. Snow plow light module to have replaceable fuses			
m. All running lights to be LED type where possible			
n. Heavy duty battery disconnect switch to be left side cab mounted			
15. CAB:			
a. Severe duty cab, high visibility tilt forward fiberglass hood with service access hatches and stationary grille for allowing easy access without removing the snow plow equipment			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
b.Driver and passenger seat to be a Heavy duty commercial grade vinyl "National 200-295" high back air suspension type with arm rest or equivalent			
c. Dual sun visors			
d.Sound insulated cab			
e.Dual electric horns			
f. Dual air horns with covers			
g.Full instrument gauges – to include hour meter, tachometer, speedometer with odometer, voltmeter, engine oil pressure / coolant temperature, fuel, air pressure, low air pressure alarm buzzer, transmission temperature, and low hydraulic oil level			
h.Cab marker lights			
i. Circuit breaker protection for all circuits			
j. Supply one (1) power point twelve (12) volt and two (2) USB power supply in dash complete with circuit breaker protection			
k. Heavy duty transistorized flashers			
l. Lap and shoulder belts			
m. Factory "standard" AM/FM radio with Bluetooth			
n.Supply and install power, heated West Coast mirrors with lights and one (1) eight (8) inch (20.32 cm) convex mirror on each side (Grote #12293)			
o.Supply and install tripod mounted mirrors, to be mounted on the hood fenders			
p.Grab handles both sides – inside and outside			
q.Heavy duty rubber flooring with driver and passenger side rubber floor mats			
r. Dual two (2) speed intermittent wipers			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
with washers and arctic blades			
s. Tilt steering column			
t. 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			
u. Heavy duty fresh air heater, defroster and air conditioning			
v. Supply and install two (2) Back of cab pedestal mounted seventeen (17) inch Grote "LED" light bars, part # 76983, to be visible from all directions with the following height restriction, and to be controlled from cab mounted lighted switch, all wiring to be protected and fastened securely. Overall height must be no more than twelve (12) feet <u>NO EXCEPTIONS</u>			
w. <u>OPTION:</u> Electronically heated windshield			
x. <u>OPTION:</u> Chassis mounted "shutter" style backup camera			
y. <u>OPTION:</u> Fully installed "Onboard load scales", complete with printer and telecommunications			
16. MISCELLANEOUS			
a. Line setting ticket to be supplied upon delivery			
b. Undercoated complete with "Krown" process			
c. "Broadband" backup alarm, to sound in reverse gear automatically			
17. COLOUR:			
a. Exterior to be manufacturers standard fleet colour – School Bus Yellow			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
b.Top of hood to be flat black			
c. Cab interior to be compatible with exterior other than black			
d.Vendor to supply paint chips for selection. Final determination of the acceptance of the Manufacturer Fleet Colour rest with the Manager of Fleet Services or designate in concert with the user department			
18. MANUALS:			
a.Shop service, parts information, technical service bulletins (TSB's) are to be provided electronically by the authorized dealer or through the manufacturers Fleet Program for the life of the truck.			
b.Operators manual to be supplied for cab and chassis			
c. DVD video showing operation, operator's maintenance and safety requirements.			
19. WARRANTY:			
a.Please state manufacturer's standard warranty			
b.Supply information and price for extended warranty.			
20. VEHICLE ACCEPTANCE:			
a.Vehicle components and accessories must be approved by manager of Fleet Services or designate			
b.The supplier is responsible for delivering a fully equipped vehicle with compatible components to provide dependable efficient service. The vehicle shall meet or surpass the mandatory requirements of the Canadian Motor Vehicle Safety Standards (CMVSS) and bear the National Safety Mark.			
c. Power train components (engine,			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
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			

CITY OF SAINT JOHN

ATTACHMENT – ROLL ON/ROLL OFF HARDWARE

SPECIFICATION No. 541-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF “NO” EXPLAIN
1. MODEL:			
a.New, Not Previously used			
2. FRAME MONUNTED MULTIFUNCTION TRANSFER SYSTEM:			
a.Supply and install frame mounted hydraulic roll off unit capable of multiple optional body designs capable of transferring forty thousand (40,000) lbs (18,182 kgs) loads off and on of main frame with an actual cable pull force of twenty-seven thousand (27,000) lbs (12,273 kgs)			
b.Main frame must be capable of accepting a right-hand wing brace without affecting minimum CA required for the chassis frame			
c. Tipping frame/body must be able to be raised without disconnection of electrical and hydraulic lines			
d.All electrical and hydraulic connections must be made at the front driver’s side corner of the tipping frame			
e.Optional body designs to be held on with six (6) lock pins (three (3) on each side) to prevent horizontal / vertical movement on the tipping frame			
f. Greaseable lock pins to be operated manually from the front drivers’ side			
g.Complete assembly will be designed to fit a properly scaled sixty-eight thousand (68,000) GVWR chassis with the best turning radius possible, complete with plow, wing and fifteen (15) foot			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
combination body			
h. Hydraulically extendable tail			
i. Minimum of four (4) rollers			
j. Roller cable shall be seven-eighths (7/8) inch diameter 8X36 IWRC complete with safety hook			
k. Cable sheaves to have bronze bushings			
l. Front stop blocks to be one hundred (100) percent welded to the main tipping frame and capable of stopping a fully loaded body while being winched on			
m. Heavy duty tilt hinge to be welded to the main frame and be greaseable			
n. The main frame to be equipped with full fenders and mud flaps, front and rear of wheels			
3. HYDRAULICS:			
a. Tilt frame to be raised by one (1) centre mounted four stage telescopic six (6) inch hydraulic cylinders, trunnion mounted with one hundred fifty (150) inches of stroke			
b. Dual left- and right-hand safety props on both sides of the hoist cylinder to swing into place with movement of a single pin			
c. Hydraulic cylinder mounting pins to be heavy duty and greaseable			
d. Hydraulic stinger must be double acting			
e. Heavy duty cable cylinder shall be single stage double acting with a pressure capable of pulling a fully loaded forty thousand (40,000) lbs load. Cylinder must come complete with flange mounted counterbalance valve.			
f. All hydraulic cylinders to be hyper chromed treated			
g. All hydraulic lines to be 304 stainless steel			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
h. Supply and install a thirty five (35) gallon stainless steel hydraulic tank, complete with a return filter and cleanout			

CITY OF SAINT JOHN

ATTACHMENT- HEATED DUMP BODY FOR ROLL ON ROLL OFF TRUCK

SPECIFICATION No. 542-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. HEATED DUMP BODY:			
a. Supply and install a detachable roll-on/roll-off type dump body with heavy duty floor and flat ground storability			
b. Body must be horizontally locked on the tipping frame in at least six (6) points to prevent movement in the horizontal position, in the raised through lowered position			
2. MODEL:			
a. New, not previously used			
3. TYPE:			
a. Roll-on/roll-off type dump body			
b. Heavy duty steel construction			
4. BODY:			
a. Roll-on/roll-off type dump body			
b. Overall Length: Fifteen (15) feet (4.57m)			
c. Height of Sides: Forty-Two (42) inches (106 cm)			
d. Height of headboard: Sixty (60) inches (152 cm)			
e. Height of tailgate: Fifty-four (54) inches (137 cm)			
f. Asphalt unloading tailgate door, please specify size: _____			
g. Dump (cab) shield suitable to protect the cab of the truck			
h. Cab operated air tailgate locks with greaseable bearings			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
i. Tailgate spreader chains			
j. Sides and tail gate reinforced and with sloped horizontal/bottom rails			
k. Dump body access ladder to be installed on left rear side of dump box with grip/anti-slip type material to provide easy access to inside. Bottom section to be hinged and latch-able (rubber strap) while in transport.			
l. Supply and install one (1) Electric/Air trap kit with telescoping aluminum pivot arm assembly for fifteen (15) foot dump bodies complete with asphalt rated tarp			
m. Truck body and chassis must be equipped with all lighting required under Province of New Brunswick DOT Motor Vehicle Safety Standards			
5. EMERGENCY LIGHTING:			
a. Supply and install City of Saint John Grote #STJN-04 LED high intensity type warning lights package as follows			
i. Four (4) Grote #92420 grommets			
ii. Four (4) Grote #67002 pigtails			
iii. Four (4) Grote #43100 steel box enclosures			
iv. 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 with enclosures fastened securely and connected to the vehicle lighting system			
v. Two (2) Grote #77363 LED amber flashing strobe lights (with heat rings) installed on rear of the			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
dump body above the red (brake, tail and signal) lights (one each side) in steel box with enclosures fastened securely and connected to the roof lights on the cab shield			
b. Pilot lights in dash to indicate when all accessory lighting is activated – i.e. rear flashing amber, roof mounted amber and spinner spot lamps			
c. All electrical connections must be made at the front driver's side corner of the tipping frame			
d. 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			
6. COLOUR:			
a. Exterior to be manufacturers standard fleet colour – School Bus Yellow			
b. Vendor must supply paint chips for selection. Final determination of the acceptance of the Manufacturer Fleet Colour rest with the Manager of Fleet Services in concert with the user department			
7. MANUALS:			
a. Shop service, parts information, technical service bulletins (TSB's) to be provided electronically by the authorized dealer			

CITY OF SAINT JOHN

ATTACHMENT- FLAT DECK FOR ROLL ON ROLL OFF TRUCK

SPECIFICATION No. 543-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
1. MODEL:			
a.New, not previously used			
2. FLAT DECK:			
a.Supply and install roll on roll off type flat deck body with heavy duty steel floor			
b.OPTION: Wooden floor			
c. Heavy duty steel construction			
d.Body must be horizontally locked on the tipping frame in at least six (6) points to prevent movement in the horizontal position, in the raised through lowered position			
e.Please specify length: _____			
f. Width: one hundred and two (102) inches (259 cm)			
g.Height of headboard: Fifty-four (54) inches (137cm) complete with screened in window and storage pockets, hangers for chains and winch bar			
h.Supply and install adjustable ratchet type storage and transport strapping (minimum three (3) inch width, curb side) as per Province of New Brunswick DOT regulations			
i. One-quarter (¼) by three (3) inch (0.64 cm x 7.62 cm) rub- rails along each side for strapping/chaining to the bed.			
j. Four (4) fifteen thousand (15,000) lbs (6,804 kg) D-rings welded one (1) to each corner of the flatbed			
k. Fourteen (14) inch (35.56 cm) rear beaver tail			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
3. LIGHTING:			
a.All electrical connections must be made at the front driver's side corner of the tipping frame.			
b.All exposed wiring to be protected and fastened securely			
c. All lighting must comply with Canadian Motor Vehicle Safety Standards (CMVSS) and the Province of New Brunswick Motor Vehicle Standards			
4. COLOUR:			
a.Deck to be manufacturer's standard fleet colour- Black			
b.Vendor to supply paint chips for selection. Final determination of the acceptance of the manufacturer fleet colour rests with the Manager of Fleet Administration in concert with the user department			
5. MANUALS:			
a.Shop service, parts information, Technical Service Bulletins (TSB's) to be provided electronically by the authorized dealer.			

CITY OF SAINT JOHN

ATTACHMENT- DLA TANK FOR ROLL ON ROLL OFF TRUCK

SPECIFICATION No. 544-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. DLA (DIRECT LIQUID APPLICATION) TANK:			
a. Supply and install a roll-on/roll-off detachable type poly DLA tank with pump and spray bar			
b. Body must be horizontally locked on the tipping frame in at least six (6) points to prevent movement in the horizontal position, in the raised through lowered position			
2. MODEL:			
a. New, not previously used			
3. TYPE:			
a. Roll-on/roll-off detachable DLA Tank			
b. Heavy duty galvanized steel construction framework, poly tank with baffles			
4. DLA TANK BODY:			
a. Poly tank to be ultraviolet protected			
b. Please state capacity for given chassis: _____ L			
c. Length: Please specify: _____			
d. Galvanized steel straps complete with galvanized steel hardware to fasten tank to deck			
e. Easily accessible and serviceable inline filter between tank and pump			
f. Brine selector valve, three (3) way, for loading and unloading of tank			
g. Low level fluid detector shall be installed to shut off the liquid pump completely,			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
if there is no liquid in the tank			
h. Poly tank unit to come complete with rear mounted stainless-steel collapsible spray bar, including twenty-four (24) spray nozzles capable of spraying a minimum of three (3) road lanes			
i. Full width liquid anti-icing reflective sign must be in both official NB languages (English and French)			
j. Truck body and chassis must be equipped with all lighting required under Province of New Brunswick DOT Motor Vehicle Safety Standards			
k. Max Height of truck must not exceed twelve (12) feet (3.65 m)			
l. Must include removeable rear bumper and DLA rubber flap assembly			
5. STAINLESS STEEL PUMP ENCLOSURE:			
a. Stainless steel pump enclosure with "Flange" type poly fittings			
b. Eleven (11) litre (3 gallon) flush tank system, for pre-wet lines and pump			
c. Pilot light in dash / controller to indicate when pump is turned on			
d. Stainless steel high flow liquid pump to be hydraulically driven and mounted behind tank, inside stainless-steel enclosure. All components must be protected against corrosion.			
e. Please specify pump output: _____ LPM			
f. Drop hose catch test kit			
g. Flexible coupling between hydraulic motor and brine pump			
h. DLA pneumatic hose reel install kit c/w one (1) inch by one hundred (100) feet water hose complete with one point five (1.5) inch industrial nozzle			
6. EMERGENCY LIGHTING:			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
a. DLA Frame to have mid-ship amber lighting			
b. All exposed wiring to be protected and fastened securely			
c. All electrical connections must be made at the front driver's side corner of the tipping frame			
d. 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			
7. COLOUR:			
a. Deck to be galvanized for corrosion resistance			
8. MANUALS:			
a. Shop service, parts information, technical service bulletins (TSB's) are to be provided electronically by the authorized dealer			

**CITY OF SAINT JOHN
DETACHABLE U-SHAPE COMBINATION DUMP BODY
68,000 LB GVWR TANDEM TRUCKS**

SPECIFICATION No. 669-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. U -SHAPE COMBINATION SAND/SALT SPREADER DUMP BODY:			
a. Supply and install a roll-on/roll-off detachable type U-shape combination sand/salt spreader dump body with pre-wetting system. Capable of mounting, fully loaded, on to chassis			
b. Body must be horizontally locked on the tipping frame in at least six (6) points to prevent movement in the horizontal position, in the raised through lowered position			
2. MODEL:			
a. New, not previously used			
3. TYPE:			
a. Roll-on/roll-off detachable U-shape combination sand/salt spreader dump body			
b. Heavy duty steel construction			
4. BODY:			
a. Roll-on/roll-off detachable type U-shape combination sand/salt spreader dump body with center mounted "Self Tensioning" conveyor chain and left discharge front mounted cross conveyor			
b. Overall Length: Fifteen (15) feet (4.572 m) excluding cab protector			
c. Overall height of truck and body must not exceed twelve (12) feet (3.6576m)			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Interior Length: One hundred and seventy-three (173) inches (439.42 cm)			
e. Height of Sides: Thirty-eight (38) inches (96.52 cm)			
f. Height of tailgate: Forty (40) inches (101.6 cm)			
g. Water level capacity: nine and one half (9.5) cubic yards (7.26327 m ³)			
h. Dump (Cab) shield suitable to protect the cab of the truck			
i. Twenty (20) US Ton (18.1437 MT) minimum capacity			
j. Forty-seven (47) degree minimum dump angle			
k. All steel construction of the box must be ten (10) gage Corten steel (for corrosion resistance) including floor, sides, front and tailgate panels			
l. Body side panel shall be brake formed from one piece for added strength and rigidity			
m. Body long members shall consist of three-sixteenth ($\frac{3}{16}$) inch (0.48 cm) thick Corten steel "V" shaped welded seamless to the bottom of the dump floor			
i. Front panel shall be sloped for better material flow. Front panel featuring a doghouse fabrication will not be accepted.			
n. Side panel horizontal reinforcements rectangular tubing			
i. Tapered rear post on each side, formed from ten (10) gage Corten steel			
o. The rear post/dump shall be designed to host rear mounted emergency lighting			
p. Tailgate shall have four (4) self-cleaning seven (7) inch by three (3) inch by three-sixteenths ($\frac{3}{16}$) inch (17.78 cm x 7.62 cm x 0.48 cm) horizontal reinforcements			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
q.The tailgate shall be one hundred (100) percent continuous, fully welded			
r. Tailgate Hinges:			
i. Shall be made of minimum three-quarter ($\frac{3}{4}$) inch (1.91 cm) (HS steel and shall be reinforced at pivoting points to achieve a total thickness of one (1) inch (2.54 cm) with pivot diameter of minimum one and one quarter ($1\frac{1}{4}$) inches (3.18 cm)			
ii. Must be greaseable with minimum one (1) inch (2.54 cm) diameter pins or bolts			
iii. Hinges must be supported by two and a half (2.5) inch by two and a half (2.5) inch by one-quarter ($\frac{1}{4}$) inch (6.35 cm x 6.35 cm x 0.64 cm) angle iron			
s. Tailgate should have brackets installed so a "Keep Back 30 Meters" sign measuring eighteen (18) inches by forty-one (41) inches (45.72 cm x 104.14 cm) can be bolted to it. Sign must be in both official NB languages (English and French). When sign is installed, no material shall get trapped between sign and tailgate (self cleaning)			
t. Body sides shall be provided with sideboard pockets to allow insertion of two (2) inch (5.08 cm) thick sideboards			
u.Tailgate latching system shall be operated by two (2) spring brake chambers, so the tailgates can stay latched when being unhooked/ hooked from chassis.			
i. Both left and right latches shall be individually adjustable to compensate			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
for wear.			
v. The air tailgate system shall include a pressure protection valve to insure pressure priority for the truck air brake system.			
w. Supply and install one (1) Electric/air tarp kit with ninety-eight (98) inch telescoping aluminum pivot arm assembly for fifteen (15) foot dump			
x. Supply and install Galvanized metal screens for large chunks			
y. Dump body access ladder to be installed on left rear side of dump box with grip/anti-slip type material to provide easy access to inside. Bottom section to be hinged and latchable (rubber strap)			
5. LONGITUDINAL CONVEYOR:			
a. Conveyor must be approximately twenty-three (23) inches (58.42 cm) wide c/c (center to center) with floor made of ultra high strength one-quarter (¼) inch (0.64 cm) thick steel			
b. Conveyor chain to be 677X self-cleaning pintle style with:			
i. Eleven thousand (11,000) Lbs (4,989.61 kg) minimum tensile strength per strand			
ii. Three-Eighths (¾) inch (0.95 cm) by one and one-half (1 ½) inch (3.81 cm) paddles			
iii. Pitch of two point two-five-zero (2.250) inches (5.72 cm)			
iv. "Breaking" strength must be forty-nine thousand (49,000) Lbs (22,226.03 kg) minimum			
v. Must be welded every four (4) links on both sides, top			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
and bottom			
vi. Each flight end to be bent upward for better material flow			
c. Driving shaft to be:			
i. Made from stress proof, one-hundred thousand (100,000) PSI			
ii. Minimum two (2) inch (5.08 cm) diameter drive shaft of CRS steel			
iii. Minimum two (2) inch (5.08 cm) diameter driven shaft of "Stressproof" steel			
iv. Shall be removable for servicing and bearing replacement			
d.Sprockets shall:			
i. Have eight (8) teeth minimum			
ii. Be provided with shoulders on each side to support the conveyor chain links in order to allow a longer chain life			
e. Drive and Driven shafts shall be mounted on self-aligning ball bearings equipped with grease fittings			
f. Slide in removable conveyor cover to be three-sixteenths ($\frac{3}{16}$) inches (0.48 cm), full length, hinged and made from one hundred eighty thousand (180,000) PSI steel			
g. Shaft bearings to be self-aligning bearings with fittings to allow bearings to be greased			
Conveyor chain tension to be regulated via an automatic chain tensioning system. This tensioning system will always provide appropriate chain			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
tension for the main conveyor chain under all normal operating conditions			
h.Speed Reducer:			
i. Shall be twenty-five (25) to one (1) ratio			
ii. Planetary gear type reducer			
iii. Shall include the appropriate adapter to direct mount the hydraulic motor			
iv. Hydraulic motor to be Char-Lynn or equivalent with ORB ports, complete with speed sensor mounted in motor to function with Dickey John – Control Point System			
i. Flow Gate:			
i. Flow gate shall be of the screw type and infinitely adjustable			
ii. The gate shall be provided with scale calibrated in inches and centimeters			
j. U-Box Electrical / Hydraulic Hoses and Fittings:			
i. Electrical / hydraulic hoses to be able to quickly connect / disconnect from main chassis			
ii. Hoses shall be of the pressed type SAE 100R2AT or equivalent with stainless steel tubing on the box if required. Use properly rated hose size and fittings for hydraulic circuits			
iii. Shall have a minimum burst pressure capacity of four (4) times the			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
maximum working pressure of the hydraulic system			
6. FRONT MOUNTED TRANSVERSE CONVEYOR:			
a.To be front mounted / bolted to the U-Body frame to be lifted when body is raised			
b.Conveyor to allow material discharge from the left side			
c. Conveyor to be twelve (12) inch (30.48 cm) duty rubber belt			
Belt to be driven hydraulically by a Char-Lynn motor (or equivalent)			
d.Shaft bearings to be self-aligning bearings with fittings to allow bearing to be greased			
e.Belt tension adjustable by shortening treaded rod			
f. Spinner to be hydraulically driven, flip up U-Body mounted design			
g.Spinner discs to be polyurethane, minimum sixteen (16) inch (40.64 cm) diameter			
h.Left adjustable and removeable spinner chutes to be poly lined stainless steel, including supports, to guide material onto spinner disc, and must include quick disconnects, for easy removal			
7. PRE-WETTING SYSTEM:			
a. Dual liquid tanks (total 270 US Gallons) (1,022.06 ltr) one (1) each side of dump body			
b. Must have over fill protection and vent valve to protect "air locking" between brine tanks and flush tank			
c. A low-level fluid detector shall be incorporated and will shut off the liquid pump completely if there is no liquid in the tank			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d.Brine fill valve to be two (2) inch (5.08 cm) camlock for loading			
e.Three (3) way selector valve to be one (1) inch (2.54 cm) for switching between brine and flush			
f. Minimum of two (2) spray nozzles installed at the top of the spinner or cross conveyor belt, in order for the spray to be directed to wet the salt/ mix as it falls to the spinner disk:			
i. "Spratronics" spring type nozzle			
ii. Spray jet sixty-five (65°) degrees with one-half (½) inch (1.27 cm) inlet			
iii. Stainless steel bracket support for the nozzles			
g.Easily accessible and serviceable inline filter between tank and pump			
h.Pump, motor, and flow meter to be in a stainless-steel box with easily removable cover			
i. Brine pump to be driven by hydraulic motor			
j. Brine pump to have relief valve			
k. Direct coupling between hydraulic motor and brine pump			
l. All components must be protected against corrosion			
m. Pump displacement is calculated for a variable application rate of brine in weight of salt spread with the existing conveyor hydraulic motor			
n. Automatic shut off for the liquid pump when low level of brine is detected			
o. Flush system must include a four (4) gallon (15.14 ltr) minimum tank, to be mounted higher than the pump with flow to the three (3) way selector valve			
8. EMERGENCY LIGHTING:			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
a. Supply and install City of Saint John Grote #STJN-04 LED high intensity type warning lights package as follows:			
i. Four (4) Grote #92420 grommets			
ii. Four (4) Grote #67002 pigtails			
iii. Four (4) Grote #43100 steel box enclosures			
iv. 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 with enclosures fastened securely and connected to the vehicle lighting system			
v. Two (2) Grote #77363 LED amber flashing strobe lights (with heat rings) installed on rear of the dump body above the red (brake, tail and signal) lights (one each side) in steel box with enclosures fastened securely and connected to the roof lights			
b. All exposed wiring to be protected and fastened securely.			
c. Spinner spotlight on driver side			
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			
e. All electrical connections must be made at the front driver's side corner of the tipping frame			
f. All lighting must operate in conjunction with the vehicle turn signal, brake and			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
park lighting and comply with Canadian Motor Vehicle Safety Standards (CMVSS) and the Province of New Brunswick Motor Vehicle Standards			
9. ACCESSORIES:			
a.NOTE: The dump/sander body must be supplied as "ready for installation" without the need to include additional parts or modifications			
b.All grease fittings to be plumbed with plastic lines to a central location for ease of greasing			
10. COLOUR:			
a.Exterior to be manufacturers standard fleet colour – School Bus Yellow			
b.Vendor must supply paint chips for selection. Final determination of the acceptance of the Manufacturer Fleet Colour rest with the Manager of Fleet Services in concert with the user department			
11. MANUALS:			
a.Shop service, parts information, technical service bulletins (TSB's) to be provided electronically by the authorized dealer			

**CITY OF SAINT JOHN
 ATTACHMENT – DICKIE JOHN AND HYDRAULICS FOR ROLL ON AND ROLL OFF PLOW TRUCKS**

SPECIFICATION No. 670-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF “NO” EXPLAIN
1. MODEL:			
a.New, not previously used			
2. VEHICLE HYDRAULIC SYSTEM:			
a.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, and winch operations for roll-on roll-off type unit). Vendor must be authorized to supply and support Dickey John Control Point in the Province of New Brunswick. NO EXCEPTIONS			
3. HYDRAULIC PUMP:			
a.Supply and install an engine crankshaft driven hydraulic pump Danfoss 100cc LS pump and heavy-duty drive shaft			
b.The pump shaft spline to be keyed, the drive shaft yoke to be drilled and tapped to one-quarter (¼) inch approximately one hundred and twenty (120) degrees apart with set screws to prevent the yolk from sliding off the pump shaft			
4. CONTROL VALVE:			
a.Supply and install an electrically controlled twelve (12) volt hydraulic valve (Apitech VPL series) All segments to be:			
i. Load sensed pressure compensated			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
ii. Equipped with manual override			
iii. Spring returned to center			
iv. Spool flow limiting adjustments			
v. Equipped with appropriate relief valves			
b.All solenoids, on/off and proportional, must have one hundred (100) percent duty at truck voltage. The valve should be equipped with the following segments:			
i. Plow raise and lower - on/off ten (10) GPM (A, B port closed in center)			
ii. Plow power angle - on/off ten (10) GPM (A, B port closed in center)			
iii. Plow connect pins - on/off three (3) GPM (A, B port closed in center)			
iv. Wing toe - raise and lower (float) – proportional seven (7) GPM (A, B port closed in center)			
v. Wing heel - raise and lower – proportional fifteen (15) GPM (A, B port closed in center)			
vi. Wing trip - on/off seven (7) GPM (A, B port closed in center)			
vii. Wing extension - on/off seven (7) GPM (A, B port closed in center)			
viii. Transfer body deck – (raise and lower) – on/off four (4) way close center twenty-five (25) GPM			
ix. Conveyor chain – proportional - Segment to			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
be equipped with pressure reducing valve (Pressure relief or work port relief is not acceptable) fifteen (15) GPM motor spool			
x. Brine System - proportional five (5) GPM (A, B port closed in center)			
xi. Dickey John - Spinner – proportional five (5) GPM motor spool			
c. Control valve to be installed in a weatherproof stainless-steel enclosure with a removable sealed access cover for maintenance and mounted behind the cab.			
d. This container to be fabricated from three-sixteenth ($\frac{3}{16}$) inch (0.48 cm) steel with a one half ($\frac{1}{2}$) inch (1.27 cm) 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.			
e. Must supply variable flow control to manually bias the cross conveyor to the main conveyor			
f. All penetrations to be sealed and done through threaded connections including electrical flexible watertight conduit			
g. Supply and install a fully operational Dickey-John "control point" sand/salt spreading system complete with all necessary components - <u>NO EXCEPTIONS</u>			
h. 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.			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
This system to be adjusted to come on when the main dump cylinder is approx. fully raised.			
i. Supply and install one (1) high pressure filter (10-micron nominal rating). One (1) one hundred (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 Danfoss 100cc LS) THE capacity of the filters to be flow corrected to oil viscosity sixty (60) sct (steam cracked tar)			
5. HYDRAULICS:			
a. Tilt frame to be raised by one (1) centre mounted four stage telescopic six (6) inch(15.24 cm) hydraulic cylinder, trunnion mounted with one hundred fifty (150) inches (381 cm) of stroke			
b. Dual left- and right-hand safety props on both sides of hoist cylinder to swing into place with movement of a single pin			
c. Hydraulic cylinder mounting pins to be heavy duty and greaseable			
d. Hydraulic stinger must be double acting			
e. Heavy duty cable cylinder shall be single stage double acting with a pressure capable of pulling a fully loaded forty thousand (40,000) lbs (18,144 kg) load			
f. All hydraulic cylinders to be hyper chromed treated			
g. All hydraulic lines to be 304 stainless steel			
6. HYDRAULIC RESERVOIR:			
a. Supply and install one hydraulic reservoir fabricated and mounted behind the cab. All exterior welds to be ground smooth and exterior to be glass beaded for			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
consistent finish. The reservoir capacity will be one hundred and thirty -six (136) liter (30 Gallons)			
b.The dimensions of the reservoir are to be approximately:			
i. Width: Fifty and one half (50.5) inches (128 cm)			
ii. Length: Eleven (11) inches (28 cm)			
iii. Height: Twenty-six and one half (26.5) inches (67 cm)			
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 (5.08 cm) from the bottom of the reservoir			
d.A clean out cover of twelve (12) inch (30.48 cm) minimum dome type bolt through centre on the baffle 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 PSI 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:			
i. One (1) two (2) inch (5.08 cm) N.P.T. threaded coupling for the suction installed on the bottom of the reservoir, three (3) inches (7.62 cm) from the bottom and three (3) inches (7.62 cm) from the nearest wall			
ii. Two (2) three-quarter (¾) inch (1.91 cm) N. P. T.			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
threaded couplings installed at opposite corners in the top at one (1) inch (2.54 cm) away from the corners			
iii. One (1) three-quarter ($\frac{3}{4}$) inch (1.91 cm) N. P. T. Threaded coupling for the return to be installed on the return side of the reservoir			
iv. One (1) three-quarter ($\frac{3}{4}$) inch (1.91 cm) N. P. T. Threaded coupling to be installed in the bottom of the reservoir with a removable magnetic drain plug			
v. One (1) one (1) inch (2.54 cm) 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 (5.08 cm) 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 (5.08 cm) 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 (12.7 cm) Fluid Level indicator complete with temperature indicator facing outward, indicator to be LBI Industries G1620-05-A-1			
j. Supply and install a Fill-Rite (FR152) hand operated pump assembly with a four (4) foot (1.22 m) suction fill hose for filling			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
the hydraulic system. This pump to be located next to the hydraulic 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			
i. All hoses to be SAE100R2AT except for suction line. Suction line to be two (2) inch (5.08 cm) diameter SAE 100R4			
ii. 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 18/16/13 or 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 (10) inches (25.4 cm) 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.			
7. CONTROL CONSOLE:			
a. Supply and install between the seats in			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
the cab a control console for the operation of the vehicle front plow (connect/disconnect, raise/lower & left/right). Wing (wing toe raise/lower, wing heel raise/lower, wing extension in/out and wing float). Dump (raise/lower) Dual axis proportional joystick with 4 momentary on, spring return off push buttons in handle grip. The joystick must be Scorpion model EM-BC-D-AP1/LM-M4-C1, 2, 3, 4-01SD (or equivalent) to be consistent with the City of Saint John standard with proportional axis to and operate two functions (wing toe and wing heel simultaneously and through 360 degrees of operation). The four push buttons to be used for (top and bottom buttons, plow up/down. Left and right for wing float). Wing extension, disconnect, and dump to be controlled by heavy duty rocker switches as described below			
b. This console to be adjustable and fastened securely to the cab floor within easy reach of the operator			
c. A rocker switch is to be installed in the control console for the front plows 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			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
functions to be protected by diodes. These diodes to be installed at the solenoids with weather Pac connectors.			
8. MANUALS:			
a. Shop service, parts information, Technical Service Bulletins (TSB's) are to be provided electronically by the authorized dealer.			

**CITY OF SAINT JOHN
ATTACHMENT- DETACHABLE GARBAGE BIN FOR ROLL ON ROLL OFF TRUCK**

SPECIFICATION No. 671-21

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. MODEL:			
a. New, Not Previously used			
2. GARBAGE/SLUDGE BIN:			
a. Supply and install roll on roll off type garbage/sludge bin with heavy duty floor			
b. Body must be horizontally locked on the tipping frame in at least six (6) points to prevent movement in the horizontal position, in the raised through lowered position			
c. Heavy duty, High tensile steel construction			
d. Length and height of garbage/sludge bin to maximize payload capacity of chassis quoted.			
i. Please specify length: _____			
ii. Please specify height of sides: _____			
e. Barn style single rear door			
f. OPTION: Watertight barn style single rear door			
g. Supply and install vinyl tarp kit			
h. Truck body and chassis must be equipped with all lighting required under Province of New Brunswick DOT Motor Vehicle Safety Standards			
3. COLOUR:			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
a.Exterior to be manufacturer's standard fleet colour- Blue (exact colour to be determined)			
b.Vendor must supply paint chips for selection. Final determination of the acceptance of the manufacturer fleet colour rests with the Manager of Fleet Administration in concert with the user department			
4. MANUALS:			
a.Shop service, parts information, Technical Service Bulletins (TSB's) are to be provided electronically by the authorized dealer.			

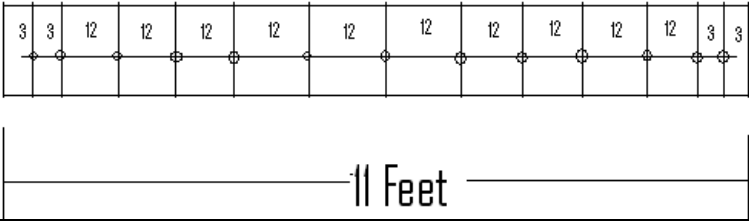
CITY OF SAINT JOHN

**ATTACHEMENT – FRONT PLOW, WING, AND HITCH ASSEMBLY
SPECIFICATION #672-21**

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO	IF “NO” EXPLAIN
1. MODEL:		
a.New, not previously used		
2. TYPE:		
a.Supply and install reversable front plow & wing, complete with a segmented carbide tip blade on the front plow and a hydraulic Attach/Detach quick hitch system for both plow and wing		
b.Plow head gear to have heated LED plow lights with signals		
3. PLOW:		
a.Fully hydraulic, eleven (11) foot (3.35 m) H.D. reversible, oscillating, polymer front plow, complete with one piece trip edge design and adjustable attack angle		
b.Plow/blade to be attached to head gear thru a quick attach swivel to allow for oscillation		
c.Plow/blade mounting pins that are attached to the swivel to be one and one quarter (1 ¼) inch (3.175 cm) diameter, with one and one quarter (1 ¼) inch (3.175 cm) thick tabs, spacing to be thirty-two (32) inches (81.28 cm) outside to outside, to meet the interchangeability of other City of Saint John plows		
d.Plow/blade to have bolt on type cutting edge, curb savers, wear shoes and flexible guides on both ends		
e.Bolt on type cutting edge to be eleven (11) foot (3.35 m) “Polar Flex”, three (3) section, two (2) four (4) foot (1.22 m) pieces and one (1) three (3) foot (0.91 m) piece		
f.Lift and angle cylinders to be hard chrome plated and rebuildable		
4. WING:		
a.Fully hydraulic twelve (12) foot (3.66 m) H.D, wing plow, with eleven (11) foot (3.35 m) cutting edge, three-sixteenth ($\frac{3}{16}$) inch (0.48 cm) steel moldboard, complete with hydraulic extension, and front tower trip hinge controlled by a rubber compression spring. Front tower to be mounted on		

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
detachable plow mount.			
b.The rear wing arm to be of "quick-connect" type at the vehicle frame and must allow for thirty (30) inch (76.2 cm) level Benching.			
c. The rear wing arm is to be installed so as not to interfere with the operation of the right side (passenger) door when the wing is removed			
d.The rear hydraulic lift group must allow for extending the wing moldboard when in and out of traffic			
e.Wing toe must have hydraulic lift with minimum thirty (30) inch (76.2 cm) lift			
f. Supply and install one (1) 12VDC LED spotlight that illuminates the wing area which is switched by a cab dash mounted switch.			
g.Two (2) lifting hooks to be installed on rear of moldboard			
h.Bolt on rear curb saver			
i. Plow wing to have one (1) red LED lamp on the rear tip, at the furthest point from the truck as possible. Visible from the rear			
j. Rear tip to have flexible guides			
5. COUPLER SYSTEM:			
a.Front plow and wing harness to be easily and quickly removed or installed as one unit			
b.Front plow and wing assembly to incorporate a hydraulic attach/detach front hitch assembly, complete with two pins to fasten the front plow/blade to the head gear			
c. Attach/detach front hitch assembly to be low mount design hitch. Detaching design to allow for easy mounting and unmounting of hitch without leaving the cab of the truck. Hard chrome plated shaft pins to be hydraulically operated with cab mounted indicator light when not fully locked. Hitch must tilt forward using the lift cylinder to allow the hood to open			
d.Truck mounted section of attach/detach front hitch assembly to incorporate the factory bumper			
6. CUTTING EDGES:			
a.Front Plow to have "Polar Flex" segmented carbide blades and wing to be equipped with heavy duty replaceable one (1) piece carbide cutting edge			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
b. Front plow bolt pattern to be two (2) four (4) foot (1.22 m) sections 4-8-8-8-8-4, one (1) on each end, and one (1) three (3) foot (0.91 m) section 2-8-8-8-8-2 placed in the middle			
c. Wing bolt pattern to be punched to A.A.S.H.O. pattern spacing (inches) for a trip edge with thirteen (13) bolts as follows			
 <p>d.</p>			
e. All components to be supplied and installed			
7. MANUALS:			
a. Shop service, parts information, Technical Service Bulletins (TSB's) are to be provided electronically by the authorized dealer.			



**PROPOSAL FOR FURNISHING
RFP NO. 2021-232005P
TANDEM CAB AND CHASSIS WITH DETACHABLE BODY SYSTEMS
TO: THE CITY OF SAINT JOHN**

ITEM # 1 - SPEC #'s 425-21 & 541-21– TRUCK - 68,000 LB GVWR CAB & CHASSIS WITH ROLL ON/OFF HARDWARE

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: Quantity (4) or More \$ _____ / Each
Bid price to exclude tax (HST).

ITEM # 2 - SPEC # 542-21– HEATED DUMP BODY FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

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

ITEM # 3 - SPEC # 543-21 – FLAT DECK FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

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

ITEM # 4 - SPEC # 544-21– DLA TANK FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

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

ITEM # 5 - SPEC # 669-21 – U-SHAPE COMBINATION DUMP BODY FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

Net purchase price: Quantity (4) or More \$ _____ / Each
Bid price to exclude tax (HST).

ITEM # 6 - SPEC # 670-21– DICKIE JOHN AND HYDRAULICS FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

Net purchase price: Quantity (4) or More \$ _____ / Each
Bid price to exclude tax (HST).

ITEM # 7 - SPEC # 671-21 – DETACHABLE GARBAGE BIN FOR USE WITH ROLL ON/OFF SYSTEM

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: _____

Net purchase price: Quantity (2) or More \$ _____ / Each
Bid price to exclude tax (HST).

ITEM # 8 - SPEC # 672-21 – FRONT PLOW, WING AND HITCH ASSEMBLY

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: _____

Net purchase price: Quantity (4) or More \$ _____ / Each
 Bid price to exclude tax (HST).

OPTION PRICES

Specify the ADDITIONAL cost of adding each of the following options as specified:

UPGRADE OPTIONS	PRICE/VEHICLE
SPEC 425-21 ITEM 11. C. OPTION: Horizontal Muffler	
SPEC 425-21 ITEM 15. W. OPTION: Electronically Heated Windshield	\$
SPEC 425-21 ITEM 15. X. OPTION: Chassis Mounted "Shutter" Style Back up Camera	\$
SPEC 425-18 ITEM 15. Y. OPTION: Fully Installed Onboard Load Scales	\$
SPEC 543-21 ITEM 2. B. OPTION: Wooden Floor	
SPEC 671-21 ITEM 2. F. OPTION: Watertight Barn Style Single Rear Door	

Bid prices to exclude tax (HST).

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 may be cause for 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: