



City of Saint John

Request for Proposal

2021-232001P TANDEM REFUSE PACKERS

Emailed proposals, addressed to Chris Roberts, SCMP, CPPB, and identified as:

“PROPOSAL 2021-232001P – TANDEM REFUSE PACKERS”

will be received until 4:00 p.m., Thursday, February 11, 2021, for the supply and delivery of four (4) tandem refuse packers as per the enclosed specifications, terms and conditions.

Given the current Covid-19 pandemic, there will be no public opening.

The lowest or any proposal not necessarily accepted.

**Chris Roberts, SCMP, CPPB
(506) 658-2930**

Issue Date: Tuesday, January 26, 2021

**REQUEST FOR PROPOSAL
2021-232001P
TANDEM REFUSE PACKERS**

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 two (2) sets of specifications: 478-20 and 478-21.
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 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.

8. Performance Deposit

Upon notification of award, the successful proponent, will be required to submit a performance deposit in the form of a certified cheque, bank draft or money order, made payable to the City of Saint John for a flat rate amount of **\$5,000.00**.

The City, as a bid performance surety, will retain the deposit from the successful bidder.

Failure on the part of the vendor to supply the item(s) awarded to him in accordance with the terms, conditions, and specifications of the tender or by the date stated for delivery, may result in forfeiture in whole or in part of the performance surety as follows:

- a) Vendors who do not deliver as specified above, may have an amount of \$25.00 per calendar day for every day past the stated delivery date it takes the vendor to comply with the tender terms, conditions or specifications, or for every calendar day beyond the stated delivery date that the item is late.
- b) Result of delays in compliance, or for late deliveries, the greater of \$25.00 per day or these direct costs, determined on a daily basis, will be deducted from the deposit.

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.

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, via email, one (1) one signed technical proposal, and one (1) signed financial proposal, as two separate pdf documents titled accordingly, no later than 4:00pm, local time, Thursday, February 11, 2021. The email is to clearly indicate the Proponent's name and address and be titled:

“PROPOSAL NO. 2021-232001P – TANDEM REFUSE PACKERS”

to the attention of:

Chris Roberts, SCMP, CPPB
Supervisor
Supply Chain Management
chris.roberts@saintjohn.ca

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

Chris Roberts, SCMP, CPPB
Supply Chain Management
City of Saint John
Email: chris.roberts@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, January 26, 2021
Deadline for Enquiries	4:00pm, AST, Wednesday, February 3, 2021
Deadline for Issuing Addenda	4:00pm, AST, Thursday, February 4, 2021
Submission Deadline	4:00pm, AST, Thursday, February 11, 2021

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 chris.roberts@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
58,000 LB GVWR CAB AND CHASSIS WITH SIDE LOADING CO-MINGLE REFUSE PACKER BODY
VEHICLE 650 AND 651**

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. MODEL:			
a. New, Not Previously used			
b. OPTION: Pre-owned or Demo unit, not more than two model years of age and/or 1,000 hours of metered operation			
2. TYPE:			
a. Fifty-eight thousand (58,000) lbs (26,308 kg) GVWR chassis			
b. Wheelbase, cab to axle and axle spread to provide for proper load distribution of the completed unit and to provide for the best manoeuverability possible			
c. 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			
3. ENGINE:			
a. Six (6) cylinder inline, four (4) cycle design automotive diesel engine, designed and rated for vocational application. State make and model. Engine must be SCR (Selective Catalytic Reduction) NO EXCEPTIONS NOTE: Cummins or Detroit or equivalent. Minimum 350HP, 1,150 LB-FT torque @ 1400RPM			
b. Supply and install truck engine size to meet the required performance to operate on the streets of Saint John. This includes the performance capacity to optimize loads as per section 16 "Refuse and Packer Body"			
c. Electronically controlled			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Antifreeze capable of testing to minus forty (-40) and shall meet all engine manufacturer's specifications			
e. 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.			
f. One (1) – one hundred and twenty (120) volt, one thousand (1,000) watt block heater – hard wired under drivers' door			
g. Equipped with engine / exhaust brake, complete with dash mounted on/off and high/low switch			
4. TRANSMISSION:			
a. Automatic Allison HD 3500 RDS with dash mounted shifter, 6-speed with PTO 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. To be equipped with heavy duty oil filter and cooler			
c. To be equipped with a dash mounted temperature gauge for monitoring the transmission operating temperature			
d. To be equipped with "auto neutral" to activate when park brake is applied, including activating brake lights			
5. REAR AXLE AND SUSPENSION:			
a. Forty thousand (40,000) pound (18,143 kg) single speed tandem rear axle			
b. Heavy duty transverse and longitudinal torque rods are to be installed on both rear axle housings			
c. Rear axle ratios to provide a maximum of 100 km (60 mph) when the vehicle is fully loaded Specify ratio _____			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Heavy duty (Spicer 1710) or equivalent main drive line. The drive shaft may be designed or modified to accommodate the wheelbase and packer body, but it must meet the O.E.M. recommended shaft angles and length for the chassis and power train provided			
e. Power train components (engine, 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			
f. Heavy duty air ride rear suspension			
6. FRONT AXLE AND SUSPENSION:			
a. Front axle to be a rated capacity of not less than eighteen thousand (18,000) lbs (8,164 kg) GVWR			
b. Front springs (leaf type) to be rated capacity of not less than nine thousand (9,000) lbs (4,082 kg) GAWR each			
c. Stemco oil seals and caps			
d. Heavy duty shocks			
e. Heavy duty front suspension			
7. BRAKES:			
a. Full air "S" cam type			
b. Heavy duty air brake chambers on all wheels with four (4) spring applied parking brakes on rear axle			
c. Dust shields on all wheels			
d. Bendix TU-FLO engine oil lubricated air compressor or equivalent			
e. Air tanks to have manual drain valves, the wet tank to be equipped with a Bendix BV2 heated automatic moisture ejector			
f. Self-adjusting slack adjusters on all wheels			
g. Air dryer Bendix AD-9SI twin with heater and even flow module			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
8. STEERING			
a. Heavy duty power steering capable of short turning radius			
b. Heavy duty power steering hoses			
9. FRAME:			
a. Heavy duty vocational, single half inch (½) (1.27 cm) "C" channel steel. Any required reinforcement to be full length. Also, install sill straps on truck frame for packer body chaff protections			
b. Extra heavy duty cross members suitable for Refuse Packer operation			
c. The chassis shall be under slug to provide a low ground height for the packer body			
d. The under slung frame connections to the basic frame shall overlap the basic frame as per industry standards			
e. To be equipped with a front bumper and tow hooks, two (2) front and two (2) rear			
f. Rated combination of RBM two million (2,000,000) lbs (907,185 kg)			
g. Special frame piercing for refuse side loader			
10. WHEEL AND TIRES:			
a. Eight (8) – 11 R X 22.5 (H) 16 ply, traction tread tubeless type tires with "Mud and Snow" designation on rear			
b. Eight (8) – 8.25 X 22.5 steel wheels			
c. Two (2) – 385 / 65R X 22.5 (H) 18 ply standard highway tread design tires on front			
d. Two (2) – 12.25 X 22.5 steel wheels			
11. EXHAUST:			
a. Left side mounted behind the cab vertical muffler and exhaust pipe with ninety (90) degree elbow at the top			
b. Heat guard protected			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
c. Any flex pipe used to be stainless steel			
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			
c. Hose clamps to provide leak free service			
d. Equipped with an air/temperature controlled Horton clutch fan or equivalent			
13. FUEL SYSTEM:			
a. One (1) eighty (80) imperial gallon fuel tank with electric gauge			
b. Flex fuel lines			
c. Fuel/water separator, Racor 1000 FG or equivalent			
14. ELECTRICAL SYSTEM:			
a. High output alternator at low engine R.P.M.'s with a minimum capacity of one hundred and sixty (160) amp			
b. Heavy duty maintenance free batteries of twenty-two hundred and eighty (2,280) cold cranking amps at zero (0) degrees Fahrenheit			
c. Batteries to be frame mounted 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. The following shall be considered the minimum lighting requirements and to conform with CMVSS Certified and shall be equipped with a minimum of five (5) roof maker lights			
i. Left and right dual (facing front) fender mounted turn signals			
ii. Left and right tail, stop and self cancelling directional lights			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
f. Truck shall be equipped with two (2) backup lights (LED) and backup alarm (107db Grote 73-50 or equivalent) as per Federal (Canadian) and Provincial (New Brunswick) highway requirements.			
g. Two (2) LED weatherproof stop, tail, and turn signal modules to be supplied and installed at the rear of the vehicle as per Federal (Canadian) and Provincial (New Brunswick) highway requirements.			
h. All running lights to be LED type where possible			
i. Heavy duty battery disconnect switch to be left side cab mounted			
j. Wiring at the back of the chassis shall be fed from the distribution box mounted inside the frame rails			
15. CAB:			
a. Dual station drive package (i.e., Labrie "Stand Up Right Drive (SURD)" conversion package for refuse collection) or equivalent with conventional controls on both sides including transmission shift controls			
b. Conventional style steel walk in cab with right hand side bi-fold doors, left hand side shall be equipped with a commercial cab door with power window, fiberglass front fenders complete with two and a half inch (2.5") fender flares			
c. Right side of cab shall have:			
i. A platform installed to provide for ground level entrance and exit			
ii. A non-slip folding platform(s) installed to provide for elevated height operation			
iii. Backrest and folding heavy duty commercial grade vinyl seat			
iv. These items must be installed to accommodate the safe operation of the brake and accelerator pedals per the requirements of item 2C			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. High visibility tilt forward fiberglass hood			
e. Heavy duty commercial grade vinyl air suspension divers' seat			
f. Dual foot controls for both throttle and service brakes			
g. Dual steering controls – right hand controls to be heavy duty as per industry standards			
h. Dual sun visors			
i. Sound insulated cab with arctic insulation			
j. Heavy duty heater, defroster and air conditioning			
k. Right side cab floor (stand up area) to be heated using stainless steel or copper tubing with two (2) heavy duty shut off valves			
l. Ignition switch to be centre dash mounted			
m. Dual two (2) speed intermittent wipers with washers and arctic blades			
n. Dual electric horns activated from either steering wheel			
o. Dual air horns with covers			
p. Full instrument gauges – visible from both sides to include hour meter, tachometer, speedometer with odometer, voltmeter, engine oil pressure, coolant temperature, fuel, air pressure, low air pressure alarm buzzer, transmission temperature, hydraulic oil temperature and low oil level			
q. 12 volt and USB power supply in dash complete with circuit breaker protection			
r. Circuit breaker protection for all circuits			
s. Heavy duty flashers			
t. Lap and shoulder belts			
u. AM/FM radio			
v. Power operated and heater "West Coast" mirrors with lights and two (2) front fender mounted parabolic mirrors			
w. Grab handles both sides – inside and outside			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
x. Heavy duty rubber floor mat			
y. Supply and install heater for operator gloves			
z. Cab interior light and switch			
aa. Brake control switch for the operation of the brake system to be centre mounted			
bb. All modifications shall not interfere with the operation for the original steering and braking controls or tother controls provided by the chassis manufacturer			
16. CO-MINGLE REFUSE PACKER BODY			
a. Model			
i. New, not previously used "Labrie Expert (+) side loading refuse packer body or equivalent			
b. Type			
i. Heavy duty all steel constructed thirty-three (33) cubic yard to a maximum thirty-five (35) cubic yard packer body			
ii. To be unitized body, one-piece sidewall and con-mingle sixty/forty (60/40) dual compartment design (Left – street side to be sixty (60) percent)			
iii. To be all welded design			
iv. Shall be equipped with an automatic engine accelerator for the packer cycling operation			
v. Shall be equipped with a "Pack As You Go" feature for the packing operation. Multi cycle function that can be programmed for two (2) to three (3) strokes			
c. Packer Body			
i. Overall length: Specify _____ inches _____ cm			
ii. Overall height: Specify _____ inches _____ cm			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
iii. Overall width: Specify _____ inches _____ cm			
iv. Dividing wall to be 12 ga thickness of A1011GR80 steel			
v. Co-mingle tailgate to be heavy duty steel bubble type with replaceable rubber seals to prevent leakage			
vi. Co-mingle tailgate to be hydraulic lift type with dual double acting heavy lift cylinders controlled from the cab. Each of these controls to have manual safety locks. All tailgate hydraulic lines to be equipped with flow restrictors to prevent sudden descent of either tailgate.			
vii. Shall have dual ICC rear bumpers			
viii. Cab mounted audible alarm to activate when either co-mingle tailgate is unlocked			
ix. All packer body wear areas to be constructed of heavy duty abrasion resistant steel material Specify _____			
x. Dump angle of approximately forty -five (45) degrees for unloading			
xi. Roof front and sides to be sloped to provide additional clearance for close curb operations			
xii. Heavy duty manual safety prop to be provided on the frame to support the raised body when loaded			
xiii. Mud flaps installed before and after rear wheels			
xiv. Supply and install one (1) frame (8'w X 4'h) on each side of the packer body exterior to hold advertising signage. The frame should allow for ease of sliding signage in and out with securely holding signage in place while in transport			
xv. Supply and install reflective stripping (red and white) on the rear and side of the packer body			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
xvi. Rear of packer to have safety message / caution sticker, stating vehicle stops and brakes frequently, must be yellow and black			
d. Hopper			
i. To be fully enclosed, located directly behind the cab and of four (4) cubic yard (3.06 cubic meters) capacity			
ii. Dual loading doors – one (1) left front side door size: sixty inch wide (60", 152cm) by seventy-four inch high (74", 188cm) and one (1) right front side to be split Dutch style to accommodate automatic arm. Bottom door size: forty-four and three eighths inches wide (44 3/8", 113cm) by eighteen and nine sixteenths inches high (18 9/16", 47cm), Upper door size: seventy and three eighths inches wide (70 3/8", 179cm) by fifty-seven inches high (57", 145cm). Must accommodate the following refuse container "Huskeylite # ROC-65" with a capacity of 32-96 gal (121-363L), 250 lbs (113 kg) or equivalent NO EXCEPTIONS			
iii. Supply and install heavy duty greaseable door hinges for dual loading doors			
iv. Heavy duty abrasion resistant steel floor and sides			
v. Packing ram to be constructed of heavy duty high tensile strength steel			
vi. Ram to be eighteen (18) inches high and be operated by two (2) chrome plated pistons			
vii. "Dual" crusher panels, sixty (60) percent side and forty (40) percent side to be constructed of heavy duty steel plate which is adequately reinforced to prevent distortion and pinching action between it and the hopper			
viii. A split hydraulic chute in the hopper shall divert waste into two hopper compartments			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
with RH side controls, including an electrical interlock between the chute and crusher panels. Chute pivot set at fifty (50)/ fifty (50)			
ix. Loading height to be approximately forty-seven (47") inches (119 cm)			
x. Hopper packing area to be seventy-two (72") inches by sixty (60") inches by eighteen (18") inches (182 cm x 152 cm x 46 cm)			
xi. Hopper floor to be sloped to allow fluids to flow into the body			
xii. Hopper to include waste containment reservoir's			
xiii. Heavy duty greaseable tipping hinges			
xiv. Hopper to be permanently attached to the body			
xv. Hopper loading opening to be seventy-two (72) inches high and sixty (60) inches wide (182 cm X 152 cm) with divider to prevent possible contamination between materials			
xvi. Hopper divider to be made of "Hardox 400" steel and to be three eighths (3/8) inches thick			
e. OPTION – Refuse Cart Tipper (Left Side)			
i. Supply and install on left hand side one (1) refuse container cart lift system with rotary actuator, must be compatible with the refuse cart, (Huskeylite #ROC-65") with a capacity of 32-96 gal (121-363-L), 250 lbs. (113kg). State: Make _____ Model _____			
ii. Supply and install tipper controls, mounted outside cab for left side cab operation			
iii. Heavy duty hydraulic rotary actuator			
iv. Heavy duty steel constructed with grease fittings at all critical wear points			
v. All components required for installation to be heavy duty			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
and to be mounted as close to the body as possible			
vi. All hydraulic hoses to be heavy duty steel wire braid			
vii. All hydraulic fittings to be heavy duty pressure type with swivels where necessary			
viii. Dump angle to completely empty contents of the container (approx. 45 degrees).			
ix. Cycle time of 8 to 10 seconds			
x. Operating speed and lifting capacity to be adjustable			
xi. Operating pressure of 2000 P.S.I. with adjustable relief valves			
f. Hydraulics			
i. Hydraulic pump to be heavy duty transmission driven to provide a minimum of thirty-eight (38) G.P.M. at twelve hundred (1200) R.P.M.'s			
ii. Full relief valve protection			
iii. Heavy duty single four (4) section telescoping hydraulic cylinder, of sufficient capacity, to lift the packer body when fully loaded. To have flow restrictor installed in the downside to prevent sudden dropping of the body in the case of a broken hydraulic line			
iv. All hydraulic cylinders to be heavy duty and repairable			
v. 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) return filter. These units to have a flow and pressure rating equivalent or exceeding truck pumps maximum delivery and pressure			
vi. Hydraulic system to be flushed reservoir cleaned and be refilled with new oil before delivery			
vii. All hydraulic components including hoses and fittings to			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
be heavy duty type as per industry standards, securely fastened and covered as to prevent chaffing and premature failure			
g. Control Valve			
i. Supply and install three (3) complete sets of "electric over hydraulic" control valves with one (1) set located on the left and one (1) set located on the right side of the packer body and the other set mounted in the cab. Each set shall be equipped with Starting, Reversing and Stop buttons appropriately marked and labelled			
ii. All limit switches shall be supplied and installed in a waterproof housing. These switches to be heavy duty industrial type, weatherproof and not affected by freezing:			
1. Motivator control (on/off/manual)			
2. Forward			
3. Reserve			
iii. Supply and install auto/manual reset circuit breaker protection on all electrical circuits			
h. Hydraulic Reservoir			
i. Supply and install one (1) heated hydraulic reservoir of ten (10 gal) (45.46 L) capacity fabricated from one-eighth (1/8) inch (3.5mm) thick carbon steel and mounted on the vehicle frame behind the cab with both on brackets. The interior shall be free of mill scale and rust. The exterior shall be sand blasted, primed and painted (Black) with two (2) coats of Polyurethane primer and paint			
ii. 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)			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
inches (51 mm) from the bottom of the reservoir			
iii. A clean out cover of twelve (12) inches (305mm) minimum dome type both through centre on the baffle adapter and shall be installed in a fashion to allow access to both sides of the baffle			
iv. Supply and install magnet in bottom of tank to be accessible from the cleanout cover			
v. Suction lines to be fitted with shut off valves at the hydraulic reservoir and return line to be fitted with check valve			
vi. Supply and install a Fluid Level indicator complete with temperature indicator			
vii. Supply and install low hydraulic level indicator and alarm in cab			
i. Packer Lighting			
i. Two (2) heavy duty Grote # 76983 amber strobe warning lights to be supplied and mounted on the rear of the body. These lights to be mounted as high as possible and controlled from the dash mounted roof light switch illuminated in the "on" position			
ii. One (1) heavy duty Grote # 76983 amber strobe warning light to be supplied and mounted on the vehicle cab. This light to be wired to a dash mounted roof light switch illuminated in the "on" position			
iii. Supply and install LED alley light to sufficiently illuminate work area and to be mounded on the right side of the truck body with dash mounted switch illuminated in the "on" position			
iv. All electrical connections to be soldered and heat shrink protected			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
17. MISCELLANEOUS			
a. Current and valid province of New Brunswick Motor Vehicle Inspection certificates and sticker, complete with safety triangles, fire extinguisher and heavy duty backup alarm			
b. Line setting ticket to be supplied upon delivery			
c. Undercoated complete with "Krown" process			
18. PAINT			
a. Cab exterior to be White, enamel (Paint chips to be provided)			
b. Cab interior to be compatible with exterior other than black			
c. Body exterior and hopper to be sand/grit blasted and primed with two (2) coats of industrial primer and two (2) top coats of Blue enamel, Paint #K9512EA			
d. Paint used shall be polyurethane (DuPont Imron 5000) or equivalent			
19. MANUALS:			
a. Shop service, parts information, technical service bulletins (TSB's) MUST be provided electronically by the authorized dealer NO EXCEPTIONS			
b. Operators manual to be supplied for cab and chassis			
c. One (1) complete set of "As Built" drawings for the hydraulic, electrical and air brake systems to be supplied upon delivery. These drawings to be detailed enough to permit quick troubleshooting			
d. DVD video showing operation, operator's maintenance and safety requirements.			
20. HELPING HAND OR EQUIVALENT AUTOMATED ARM, RIGHT HAND SIDE:			
a. Heavy Duty automated arm to be mounted on the right side, inside the hooper, protected by a steel enclosure, complete with spill shield			
b. Arm to be hydraulically operated and activated by a cab mounted			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
electro proportional joystick. Joystick must have "Deadman" switch to prevent accidental arm activation			
c. Additional cab controls to be added to allow crushing from inside the cab			
d. Arm to be painted safety yellow, with red and white reflective tape for added visibility			
e. Gripper fingers to be heavy duty rubber straps, to be able to adapt to a wide variety of container shapes and sizes			
21. OPTIONS:			
a. Helping Hand to be operated from left side driver's seat by a moveable joystick			
b. Rear and right side body mounted video cameras with the monitor to be centre dash mounted on a swivel to allow the operator to view the rear while backing up and right hand tipper operation from either operating position. The cameras to be wide angle and mounted protected from the weather and damage from trees with all wiring to be weatherproof and covered. State: Make _____ Model _____			
c. Programmable video retention system, capable of date, location and time stamping			
d. Automatic greaser, Lincoln or equivalent to be plumbed to all pivots and pins			
22. WARRANTY:			
a. Please state manufacturer's standard warranty			
b. Supply information and price for extended warranty.			
23. VEHICLE ACCEPTANCE:			
a. Vehicle components and accessories must be approved by manager of Fleet or designate			

**CITY OF SAINT JOHN
58,000 LB GVWR CAB AND CHASSIS WITH SIDE LOADING REFUSE PACKER BODY
VEHICLE 640 AND 646**

MINIMUM SPECIFICATIONS

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
1. MODEL:			
a. New, Not Previously used			
b. OPTION: Pre-owned or Demo unit, not more than two model years of age and/or 1,000 hours of metered operation			
2. TYPE:			
a. Fifty-eight thousand (58,000) lbs (26,308 kg) GVWR chassis			
b. Wheelbase, cab to axle and axle spread to provide for proper load distribution of the completed unit and to provide for the best manoeuvrability possible			
c. 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			
3. ENGINE:			
a. Six (6) cylinder inline, four (4) cycle design automotive diesel engine, designed and rated for vocational application. State make and model. Engine must be SCR (Selective Catalytic Reduction) <u>NO EXCEPTIONS</u> <u>NOTE:</u> Cummins or Detroit or equivalent. Minimum 350HP, 1,150 LB-FT torque @ 1400RPM			
b. Supply and install truck engine size to meet the required performance to operate on the streets of Saint John. This includes the performance capacity to optimize loads as per section 16 "Refuse and Packer Body"			
c. Electronically controlled			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Antifreeze capable of testing to minus forty (-40) and shall meet all engine manufacturer's specifications			
e. 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.			
f. One (1) – one hundred and twenty (120) volt, one thousand (1,000) watt block heater – hard wired under drivers' door			
g. Equipped with engine / exhaust brake, complete with dash mounted on/off and high/low switch			
4. TRANSMISSION:			
a. Automatic Allison HD 3500 RDS with dash mounted shifter, 6-speed with PTO 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. To be equipped with heavy duty oil filter and cooler			
c. To be equipped with a dash mounted temperature gauge for monitoring the transmission operating temperature			
d. To be equipped with "auto neutral" to activate when park brake is applied, including activating brake lights			
5. REAR AXLE AND SUSPENSION:			
a. Forty thousand (40,000) pound (18,143 kg) single speed tandem rear axle			
b. Heavy duty transverse and longitudinal torque rods are to be installed on both rear axle housings			
c. Rear axle ratios to provide a maximum of 100 km (60 mph) when the vehicle is fully loaded Specify ratio _____			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. Heavy duty (Spicer 1710) or equivalent main drive line. The drive shaft may be designed or modified to accommodate the wheelbase and packer body, but it must meet the O.E.M. recommended shaft angles and length for the chassis and power train provided			
e. Power train components (engine, 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			
f. Heavy duty air ride rear suspension			
6. FRONT AXLE AND SUSPENSION:			
a. Front axle to be a rated capacity of not less than eighteen thousand (18,000) lbs (8,164 kg) GVWR			
b. Front springs (leaf type) to be rated capacity of not less than nine thousand (9,000) lbs (4,082 kg) GAWR each			
c. Stemco oil seals and caps			
d. Heavy duty shocks			
e. Heavy duty front suspension			
7. BRAKES:			
a. Full air "S" cam type			
b. Heavy duty air brake chambers on all wheels with four (4) spring applied parking brakes on rear axle			
c. Dust shields on all wheels			
d. Bendix TU-FLO engine oil lubricated air compressor or equivalent			
e. Air tanks to have manual drain valves, the wet tank to be equipped with a Bendix BV2 heated automatic moisture ejector			
f. Self-adjusting slack adjusters on all wheels			
g. Air dryer Bendix AD-9SI twin with heater and even flow module			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
8. STEERING			
a. Heavy duty power steering capable of short turning radius			
b. Heavy duty power steering hoses			
9. FRAME:			
a. Heavy duty vocational, single half inch (½) (1.27 cm) "C" channel steel. Any required reinforcement to be full length. Also, install sill straps on truck frame for packer body chaff protections			
b. Extra heavy duty cross members suitable for Refuse Packer operation			
c. The chassis shall be under slug to provide a low ground height for the packer body			
d. The under slung frame connections to the basic frame shall overlap the basic frame as per industry standards			
e. To be equipped with a front bumper and tow hooks, two (2) front and two (2) rear			
f. Rated combination of RBM two million (2,000,000) lbs (907,185 kg)			
g. Special frame piercing for refuse side loader			
10. WHEEL AND TIRES:			
a. Eight (8) – 11 R X 22.5 (H) 16 ply, traction tread tubeless type tires with "Mud and Snow" designation on rear			
b. Eight (8) – 8.25 X 22.5 steel wheels			
c. Two (2) – 385 / 65R X 22.5 (H) 18 ply standard highway tread design tires on front			
d. Two (2) – 12.25 X 22.5 steel wheels			
11. EXHAUST:			
a. Left side mounted behind the cab vertical muffler and exhaust pipe with ninety (90) degree elbow at the top			
b. Heat guard protected			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
c. Any flex pipe used to be stainless steel			
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			
c. Hose clamps to provide leak free service			
d. Equipped with an air/temperature controlled Horton clutch fan or equivalent			
13. FUEL SYSTEM:			
a. One (1) eighty (80) imperial gallon fuel tank with electric gauge			
b. Flex fuel lines			
c. Fuel/water separator, Racor 1000 FG or equivalent			
14. ELECTRICAL SYSTEM:			
a. High output alternator at low engine R.P.M.'s with a minimum capacity of one hundred and sixty (160) amp			
b. Heavy duty maintenance free batteries of twenty-two hundred and eighty (2,280) cold cranking amps at zero (0) degrees Fahrenheit			
c. Batteries to be frame mounted 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. The following shall be considered the minimum lighting requirements and to conform with CMVSS Certified and shall be equipped with a minimum of five (5) roof maker lights			
i. Left and right dual (facing front) fender mounted turn signals			
ii. Left and right tail, stop and self cancelling directional lights			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
f. Truck shall be equipped with two (2) backup lights (LED) and backup alarm (107db Grote 73-50 or equal) as per Federal (Canadian) and Provincial (New Brunswick) highway requirements.			
g. Two (2) LED weatherproof stop, tail, and turn signal modules to be supplied and installed at the rear of the vehicle as per Federal (Canadian) and Provincial (New Brunswick) highway requirements.			
h. All running lights to be LED type where possible			
i. Heavy duty battery disconnect switch to be left side cab mounted			
j. Wiring at the back of the chassis shall be fed from the distribution box mounted inside the frame rails			
15. CAB:			
a. Dual station drive package (i.e., Labrie "Stand Up Right Drive (SURD)" conversion package for refuse collection) or equivalent with conventional controls on both sides including transmission shift controls			
b. Conventional style steel walk in cab with right hand side bi-fold doors, left hand side shall be equipped with a commercial cab door with power window, fiberglass front fenders complete with two and a half inch (2.5") fender flares			
c. Right side of cab shall have:			
i. A platform installed to provide for ground level entrance and exit			
ii. A non-slip folding platform(s) installed to provide for elevated height operation			
iii. Backrest and folding heavy duty commercial grade vinyl seat			
iv. These items must be installed to accommodate the safe operation of the brake and accelerator pedals per the requirements of item 2C			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
d. High visibility tilt forward fiberglass hood			
e. Heavy duty commercial grade vinyl air suspension divers' seat			
f. Dual foot controls for both throttle and service brakes			
g. Dual steering controls – right hand controls to be heavy duty as per industry standards			
h. Dual sun visors			
i. Sound insulated cab with arctic insulation			
j. Heavy duty heater, defroster and air conditioning			
k. Right side cab floor (stand up area) to be heated using stainless steel or copper tubing with two (2) heavy duty shut off valves			
l. Ignition switch to be centre dash mounted			
m. Dual two (2) speed intermittent wipers with washers and arctic blades			
n. Dual electric horns activated from either steering wheel			
o. Dual air horns with covers			
p. Full instrument gauges – visible from both sides to include hour meter, tachometer, speedometer with odometer, voltmeter, engine oil pressure, coolant temperature, fuel, air pressure, low air pressure alarm buzzer, transmission temperature, hydraulic oil temperature and low oil level			
q. 12 volt and USB power supply in dash complete with circuit breaker protection			
r. Circuit breaker protection for all circuits			
s. Heavy duty flashers			
t. Lap and shoulder belts			
u. AM/FM radio			
v. Power operated and heater "West Coast" mirrors with lights and two (2) front fender mounted parabolic mirrors			
w. Grab handles both sides – inside and outside			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
x. Heavy duty rubber floor mat			
y. Supply and install heater for operator gloves			
z. Cab interior light and switch			
aa. Brake control switch for the operation of the brake system to be centre mounted			
bb. All modifications shall not interfere with the operation for the original steering and braking controls or tother controls provided by the chassis manufacturer			
16. REFUSE PACKER BODY			
a. Model			
i. New, not previously used "Labrie Expert (+) side loading refuse packer body or equivalent			
b. Type			
i. Heavy duty all steel constructed thirty-three (33) cubic yard to a maximum thirty-five (35) cubic yard packer body			
ii. To be unitized body, one-piece sidewall			
iii. To be all welded design			
iv. Shall be equipped with an automatic engine accelerator for the packer cycling operation			
v. Shall be equipped with a "Pack As You Go" feature for the packing operation. Multi cycle function that can be programmed for two (2) to three (3) strokes			
c. Packer Body			
i. Overall length: Specify _____ inches _____ cm			
ii. Overall height: Specify _____ inches _____ cm			
iii. Overall width: Specify _____ inches _____ cm			
iv. Tailgate to be heavy duty steel bubble type with replaceable			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
rubber seals to prevent leakage			
v. Tailgate to be hydraulic lift type with dual double acting heavy lift cylinders controlled from the cab. Each of these controls to have manual safety locks. All tailgate hydraulic lines to be equipped with flow restrictors to prevent sudden descent of either tailgate.			
vi. Shall have ICC rear bumper			
vii. Cab mounted audible alarm to activate when tailgate is unlocked			
viii. All packer body wear areas to be constructed of heavy duty abrasion resistant steel material Specify _____			
ix. Dump angle of approximately forty -five (45) degrees for unloading			
x. Roof front and sides to be sloped to provide additional clearance for close curb operations			
xi. Heavy duty manual safety prop to be provided on the frame to support the raised body when loaded			
xii. Mud flaps installed before and after rear wheels			
xiii. Supply and install one (1) frame (8'w X 4'h) on each side of the packer body exterior to hold advertising signage. The frame should allow for ease of sliding signage in and out with securely holding signage in place while in transport			
xiv. Supply and install reflective stripping (red and white) on the rear and side of the packer body			
xv. Rear of packer to have safety message / caution sticker, stating vehicle stops and brakes frequently, must be yellow and black			
d. Hopper			
i. To be fully enclosed, located directly behind the cab and of			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
four (4) cubic yard (3.06 cubic meters) capacity			
ii. Dual loading doors – one (1) left front side door size: sixty inch wide (60", 152cm) by seventy-four inch high (74", 188cm) and one (1) right front side to be split Dutch style to accommodate automatic arm. Bottom door size: forty-four and three eighths inches wide (44 3/8", 113cm) by eighteen and nine sixteenths inches high (18 9/16", 47cm), Upper door size: seventy and three eighths inches wide (70 3/8", 179cm) by fifty-seven inches high (57", 145cm). Must accommodate the following refuse container "Huskeylite # ROC-65" with a capacity of 32-96 gal (121-363L), 250 lbs (113 kg) or equivalent NO EXCEPTIONS			
iii. Supply and install heavy duty greaseable door hinges for dual loading doors			
iv. Heavy duty abrasion resistant steel floor and sides			
v. Packing ram to be constructed of heavy duty high tensile strength steel			
vi. Ram to be eighteen (18) inches high and be operated by two (2) chrome plated pistons			
vii. Crusher panel to be constructed of heavy duty steel plate which is adequately reinforced to prevent distortion and pinching action between it and the hopper			
viii. Loading height to be approximately forty-seven (47") inches (119 cm)			
ix. Hopper packing area to be seventy-two (72") inches by sixty (60") inches by eighteen (18") inches (182 cm x 152 cm x 46 cm)			
x. Hopper floor to be sloped to allow fluids to flow into the body			
xi. Hopper to include waste containment reservoir's			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
xii. Heavy duty greaseable tipping hinges			
xiii. Hopper to be permanently attached to the body			
xiv. Hopper loading opening to be seventy-two (72) inches high and sixty (60) inches wide (182 cm X 152 cm) with divider to prevent possible contamination between materials			
e. OPTION – Refuse Cart Tipper (Left Side)			
i. Supply and install on left hand side one (1) refuse container car lift system with rotary actuator, must be compatible with the refuse cart, (Huskeylite #ROC-65") with a capacity of 32-96 gal (121-363-L), 250 lbs. (113kg). State: Make _____ Model _____			
ii. Supply and install tipper controls, mounted outside cab for left side cab operation			
iii. Heavy duty hydraulic rotary actuator			
iv. Heavy duty steel constructed with grease fittings at all critical wear points			
v. All components required for installation to be heavy duty and to be mounted as close to the body as possible			
vi. All hydraulic hoses to be heavy duty steel wire braid			
vii. All hydraulic fittings to be heavy duty pressure type with swivels where necessary			
viii. Dump angle to completely empty contents of the container (approx. 45 degrees).			
ix. Cycle time of 8 to 10 seconds			
x. Operating speed and lifting capacity to be adjustable			
xi. Operating pressure of 2000 P.S.I. with adjustable relief valves			
f. Hydraulics			
i. Hydraulic pump to be heavy duty transmission driven to			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
provide a minimum of thirty-eight (38) G.P.M. at twelve hundred (1200) R.P.M.'s			
ii. Full relief valve protection			
iii. Heavy duty single four (4) section telescoping hydraulic cylinder, of sufficient capacity, to lift the packer body when fully loaded. To have flow restrictor installed in the downside to prevent sudden dropping of the body in the case of a broken hydraulic line			
iv. All hydraulic cylinders to be heavy duty and repairable			
v. 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) return filter. These units to have a flow and pressure rating equivalent or exceeding truck pumps maximum delivery and pressure			
vi. Hydraulic system to be flushed reservoir cleaned and be refilled with new oil before delivery			
vii. All hydraulic components including hoses and fittings to be heavy duty type as per industry standards, securely fastened and covered as to prevent chaffing and premature failure			
g. Control Valve			
i. Supply and install three (3) complete sets of "electric over hydraulic" control valves with one (1) set located on the left and one (1) set located on the right side of the packer body and the other set mounted in the cab. Each set shall be equipped with Starting, Reversing and Stop buttons appropriately marked and labelled			
ii. All limit switches shall be supplied and installed in a waterproof housing. These			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
switches to be heavy duty industrial type, weatherproof and not affected by freezing:			
1. Motivator control (on/off/manual)			
2. Forward			
3. Reserve			
iii. Supply and install auto/manual reset circuit breaker protection on all electrical circuits			
h. Hydraulic Reservoir			
i. Supply and install one (1) heated hydraulic reservoir of ten (10 gal) (45.46 L) capacity fabricated from one-eighth (1/8) inch (3.5mm) thick carbon steel and mounted on the vehicle frame behind the cab with both on brackets. The interior shall be free of mill scale and rust. The exterior shall be sand blasted, primed and painted (Black) with two (2) coats of Polyurethane primer and paint			
ii. 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 (51 mm) from the bottom of the reservoir			
iii. A clean out cover of twelve (12) inches (305mm) minimum dome type both through centre on the baffle adapter and shall be installed in a fashion to allow access to both sides of the baffle			
iv. Supply and install magnet in bottom of tank to be accessible from the cleanout cover			
v. Suction lines to be fitted with shut off valves at the hydraulic reservoir and return line to be fitted with check valve			
vi. Supply and install a Fluid Level indicator complete with temperature indicator			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
vii. Supply and install low hydraulic level indicator and alarm in cab			
i. Packer Lighting			
i. Two (2) heavy duty Grote # 76983 amber strobe warning lights to be supplied and mounted on the rear of the body. These lights to be mounted as high as possible and controlled from the dash mounted roof light switch illuminated in the "on" position			
ii. One (1) heavy duty Grote # 76983 amber strobe warning light to be supplied and mounted on the vehicle cab. This light to be wired to a dash mounted roof light switch illuminated in the "on" position			
iii. Supply and install LED alley light to sufficiently illuminate work area and to be mounded on the right side of the truck body with dash mounted switch illuminated in the "on" position			
iv. All electrical connections to be soldered and heat shrink protected			
17. MISCELLANEOUS			
a. Current and valid province of New Brunswick Motor Vehicle Inspection certificates and sticker, complete with safety triangles, fire extinguisher and heavy duty backup alarm			
b. Line setting ticket to be supplied upon delivery			
c. Undercoated complete with "Krown" process			
18. PAINT			
a. Cab exterior to be White, enamel (Paint chips to be provided)			
b. Cab interior to be compatible with exterior other than black			
c. Body exterior and hopper to be sand/grit blasted and primed with two (2) coat of industrial primer			

SPECIFICATION	COMPLY (✓)		IF "NO" EXPLAIN
	YES	NO	
and two (2) top coats of Blue enamel, Paint #K9512EA			
d. Paint used shall be polyurethane (DuPont Imron 5000) or equivalent			
19. MANUALS:			
a. Shop service, parts information, technical service bulletins (TSB's) MUST be provided electronically by the authorized dealer NO EXCEPTIONS			
b. Operators manual to be supplied for cab and chassis			
c. One (1) complete set of "As Built" drawings for the hydraulic, electrical and air brake systems to be supplied upon delivery. These drawings to be detailed enough to permit quick troubleshooting			
d. DVD video showing operation, operator's maintenance and safety requirements.			
20. HELPING HAND OR EQUIVALENT AUTOMATED ARM, RIGHT HAND SIDE:			
a. Heavy Duty automated arm to be mounted on the right side, inside the hooper, protected by a steel enclosure, complete with spill shield			
b. Arm to be hydraulically operated and activated by a cab mounted electro proportional joystick. Joystick must have "Deadman" switch to prevent accidental arm activation			
c. Additional cab controls to be added to allow crushing from inside the cab			
d. Arm to be painted safety yellow, with red and white reflective tape for added visibility			
e. Gripper fingers to be heavy duty rubber straps, to be able to adapt to a wide variety of container shapes and sizes			
21. OPTIONS:			
a. Helping Hand to be operated from left side driver's seat by a moveable joystick			
b. Rear and right side body mounted video cameras with the monitor to be centre dash mounted on a			

SPECIFICATION	COMPLY (✓) YES NO		IF "NO" EXPLAIN
swivel to allow the operator to view the rear while backing up and right hand tipper operation from either operating position. The cameras to be wide angle and mounted protected from the weather and damage from trees with all wiring to be weatherproof and covered. State: Make _____ Model _____			
c. Programmable video retention system, capable of date, location and time stamping			
d. Automatic greaser, Lincoln or equivalent to be plumbed to all pivots and pins			
22. WARRANTY:			
a. Please state manufacturer's standard warranty			
b. Supply information and price for extended warranty.			
23. VEHICLE ACCEPTANCE:			
a. Vehicle components and accessories must be approved by manager of Fleet or designate			



**PROPOSAL FOR FURNISHING
RFP NO. 2021-232001P
TANDEM REFUSE PACKERS
TO: THE CITY OF SAINT JOHN**

ITEM # 1 - SPEC # 478-20 – Item 1.A. – 58,000 LB GVWR CAB & CHASSIS WITH SIDE LOADING CO-MINGLE REFUSE PACKER BODY (NEW)

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 # 478-20 Item 1.B. – 58,000 LB GVWR CAB & CHASSIS WITH SIDE LOADING CO-MINGLE REFUSE PACKER BODY (PRE-OWNED/DEMO)

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 # 3 - SPEC # 478-21 – Item 1.A. – 58,000 LB GVWR CAB & CHASSIS WITH SIDE LOADING REFUSE PACKER BODY (NEW)

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 # 478-21 Item 1.B. – 58,000 LB GVWR CAB & CHASSIS WITH SIDE LOADING REFUSE PACKER BODY (PRE-OWNED/DEMO)

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 478-20 ITEM 16.E.1. OPTION: Left side refuse cart tipper	\$
SPEC 478-20 ITEM 21.A. OPTION: Left-side operated Helping Hand or equivalent	\$
SPEC 478-20 ITEM 21.B. OPTION: Rear and right-side body mounted video cameras	\$
SPEC 478-20 ITEM 21.C. OPTION: Programmable video retention system	\$
SPEC 478-20 ITEM 21.D. OPTION: Automatic greaser	\$
SPEC 478-21 ITEM 16.E.1. OPTION: Left side refuse cart tipper	\$
SPEC 478-21 ITEM 21.A. OPTION: Left-side operated Helping Hand or equivalent	\$
SPEC 478-21 ITEM 21.B. OPTION: Rear and right-side body mounted video cameras	\$
SPEC 478-21 ITEM 21.C. OPTION: Programmable video retention system	\$
SPEC 478-21 ITEM 21.D. OPTION: Automatic greaser	\$

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: