

MANCHESTER TRANSIT AUTHORITY
110 Elm Street
Manchester, NH 03101-2799

RFP #22-01
Date Issued: February 2, 2022

REQUEST FOR PROPOSALS

NOTICE TO BIDDERS

Notice is hereby given that the Manchester Transit Authority will receive proposals at 110 Elm Street, Manchester, New Hampshire, 03101 until 3:00pm on February 21, 2022 for five conventional propane school buses in accordance with the applicable specifications:

RFP 22-01

Proposal for up to Five (5) Conventional School Buses

Any name appearing on the Comptroller General's list of ineligible contractors for Federally financed and assisted work is not an eligible bidder. In addition thereto, a proposal based upon the furnishing of equipment or components thereof, manufactured by such an ineligible contractor, will be ineligible for consideration.

The Contractor will be required to comply with all applicable Equal Employment Opportunity Laws and Regulations.

The right is reserved to accept any proposal or any part or parts thereof, or to reject any or all proposals. The right is reserved to award fewer vehicles, including awarding zero vehicles.

Please note, exhibits 1-1 through 1-4 and any applicable Federal clauses as described within MUST be completed in detail at the time of bid opening.

Proposals must be securely sealed in a suitable envelope and marked on the outside as follows:

Proposals for up to Five (5) Conventional Propane School Buses for MTA

Date:	February 2, 2022	RFP Number 22-01
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By: Michael Whitten
Executive Director

Thank you for your interest in public transit projects for Manchester Transit Authority. Attached are the solicitation documents and information necessary to participate in the competition. Below is a brief synopsis of the acquisition.

Description of work:	Purchase of up to (5) Five Conventional Propane School Buses
Solicitation type:	Request for Proposals
Contract type:	Firm fixed price on a per-unit basis
Basis of award:	Proposal with Greatest Value
Anticipated award date:	February 25, 2022
Performance period:	See Scope of Work

Proposals shall be submitted in writing no later than February 21, 2022 at 3:00pm

Manchester Transit Authority
Attn: Michael Whitten RFP 22-01
110 Elm Street
Manchester, NH 03101

Summary of Proposal Documents:

- Exhibit 1.1 Bid Proposal Form
- Exhibit 1.2 Warranty Summary (Must be detailed, not referral to manufacturer documentation).
- Exhibit 1.3 Approved Equals Form (If Approved Equals are being sought)
- Exhibit 1.4 Amendment Page (If Amendments are submitted)

MANCHESTER TRANSIT AUTHORITY

PROPOSAL SECTION NUMBER 1

TERMS AND CONDITIONS

General

1. Proposals will be received by the Executive Director, Manchester Transit Authority, Manchester, New Hampshire, at the place and until the time specified in the Notice to Bidders and then publicly read aloud for the information of bidders and others who may be present either in person or by representative. NO PROPOSAL WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED.
2. The following meanings are attached to the defined words when used in this PROPOSAL form.
 - (a) The word "MTA" means the Manchester Transit Authority.
 - (b) The word "Bidder" means the person, firm, or corporation submitting a proposal on this specification or any part thereof.
 - (c) The word "Contractor" means the person, firm, or corporation with whom the Contract is made by carrying out the provisions of this RFP and the Contract.
3. Strict compliance with the requirements of the Notice to Bidders, Terms and Conditions, and the instructions printed on the forms is necessary. All designations and prices shall be fully and clearly set forth. All blank spaces in the RFP forms shall be suitably filled in. For the convenience of bidders, RFP forms are provided in this Solicitation.
4. Each proposal must give the full business address of bidder and be signed by him/her with his/her usual signature. Proposals by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership or by an authorized representative, following by the signature and title of the person signing. Proposals by corporations must be signed with the legal name of the corporation, followed by the State of incorporation and by the signature and title of the president, secretary, or other person authorized to bind it in the matter. The name of each person signing shall also be typed or printed below the signature. Proposal by a person who affixes to his/her signature the word "president," "secretary," "agent," or other title without disclosing his/her principal may be held to be the proposal of the

individual signing. When requested by the Executive Director, MTA, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be furnished.

5. Bidder shall submit an original (printed) and one electronic copy of his Proposal. Proposals must be securely sealed in a suitable envelope, addressed, and marked on the outside as follows:

Proposal for Five (5) Conventional Propane School Buses.

Date: February 21, 2022

RFP Number: 22-01

The MTA is not responsible for proposals not properly marked.

6. Proposal security or proposal bond: Not Required.
7. Changes to the Specifications will be made by written addendum by MTA and will be forwarded to all persons and firms to whom documents have been submitted.
8. No oral interpretations will be made to any Bidder as to the meaning of the specifications or terms and conditions of this RFP. Every request for such interpretation or requests for a change in the specifications or terms and conditions shall be made in writing and addressed and forwarded to the Executive Director, Manchester Transit Authority, 110 Elm Street, Manchester, New Hampshire, 03101 in accordance with the Approved Equals provisions to follow. Any unapproved deviations, exceptions, substitutes, alternates or conditional qualifications contained in a proposal may be cause for its rejection.
9. Proposals may be withdrawn prior to the closing time for receipt of proposals. A request to withdraw a proposal must be submitted in writing and signed by the bidder. No requests to withdraw a proposal will be accepted if they are verbal or submitted after the closing time. Negligence on the part of the Bidder in preparing the proposal confers no right for the withdrawal of the proposal after it has been opened.
10. Proposals may be modified by the bidder prior to the closing time for receipt of proposals. Modifications must be submitted in writing and signed by the bidder. Only additions or subtractions to the bidder's original proposal should be stated. Prices are not to be stated. No verbal modifications will be accepted after the closing time.

11. A proposal may be withdrawn or modified by facsimile communication provided such communication is signed by the person signing the original document and the facsimile is received by the Manchester Transit Authority prior to the closing time for the receipt of proposals.
12. The MTA reserves the right to postpone the proposal opening for its own convenience and to waive any informality in proposals and to reject any and all proposals, wholly or in part, and to make awards in a manner deemed in the best interests of the MTA.
13. Approved Equals
 - (a) In all cases, materials must be furnished as specified. Where brand names or specific items are used in the specifications, consider the term "or approved equal" to follow.
 - (b) Any unauthorized deviations, exceptions, substitutions, alternates, or conditional qualifications contained in a proposal may be cause for its rejection.
 - (c) If a potential bidder feels that his product is an equal to the product specified he must submit a written request to MTA.
 - (d) Requests for approved equals, clarification of Specifications, and protest of Specifications must be received by MTA, in writing no later than February 16, 2022 to allow analysis of the request. Any request for an approved equal or protest of the Specifications must be fully supported with catalog information, specifications and illustrations or other pertinent information as evidence that the substitute offered is equal to or better than the Specifications' requirement. Where an approved equal is requested, the Contractor must demonstrate the quality of his product to the MTA and must furnish sufficient information to enable the MTA to determine whether the product is or is not equal to that specified. Written requests may be submitted electronically to mwhitten@mtabus.org
 - (e) MTA replies to request under paragraph (d) above will be emailed by February 18, 2022 close of business.

- (f) A notice of approved equals shall be furnished to all parties receiving specifications so that all bidders may propose accordingly.
 - (g) Appeal from the decisions of MTA to approve or disapprove approved equal status shall be submitted in writing to the Executive Director, MTA, 110 Elm Street, Manchester, New Hampshire, 03101, not later than five (5) days from the date of MTA's decision. The appeal shall, at a minimum, identify the decision in question, specify all reasons why the appealing party disagrees with the decision, and shall include all facts and justification, including technical information, in support of its position. The Executive Director may request additional information from the appealing party and information or a response from the bidders, which shall likewise be submitted in writing to the Executive Director not later than five (5) days from the date of MTA's request. As far as practicable, appeals will be decided upon the basis of the written appeal, information and written responses submitted by the appealing party and other bidders; all parties are urged to make written submissions as complete as possible. Failure of any party to timely respond to a request for information may be deemed by MTA that such party does not desire to participate in the proceeding, does not contest the matter, or does not desire to submit a response, and in such event the appeal will proceed and will not be delayed due to the lack of a response. Upon receipt and review of written submissions and any independent investigation deemed appropriate by MTA, the Executive Director shall either (a) render a decision which shall be final and advise all interested parties of same in writing or (b) at the sole election of the Executive Director, conduct an informal hearing at which the interested participating parties will be afforded an opportunity to present their respective positions and facts, documents, justification and technical information in support thereof. Parties may, but are not required to be represented by counsel at the informal hearing, which will not be subject to formal rules of evidence or procedure. Following the informal hearing the Executive Director shall render a decision that shall be final and advise all interested parties thereof in writing.
14. The Bidder shall familiarize him/herself with the location of facilities and of the areas of responsibility and labor therein. Failure to do so will not relieve a successful bidder of his obligation to furnish all labor necessary

to carry out the provisions of this contract. Insofar as possible in carrying out his work, the Contractor must employ such methods and/or means to not cause any interruption of or interference with operations of the Manchester Transit Authority.

15. The MTA, through the Executive Director, reserves the right to allow for any change in operating conditions or for any other cause not now foreseen and to proportion required services or supplies according to available facilities. In addition, the MTA reserves the right to negotiate with the successful Contractor for additional work required.
16. In submitting his proposal, the Bidder certifies that no official or employee of the City of Manchester or the MTA has any interest in the proposal or in the Contract which the Bidder offers to execute, or in the expected profits to arise therefrom, and that his proposal is made in good faith without fraud or collusion or connection with any other person submitting a proposal.
17. The MTA may make such investigations as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the MTA all such information and data for this purpose as the MTA may request. The MTA reserves the right to reject any proposal if the evidence submitted by, or investigation of, such bidder fails to satisfy the MTA that such bidder is properly qualified to carry out the obligations of the contract.
18. Awards will be made to the "highest value" in accordance with the Scope of Work and Specifications. In determining "highest value," the following shall be considered mandatory minimum standards:
 - (a) The ability, capacity, and skill of the Bidder to perform the Contract or provide the service required;
 - (b) Whether the Bidder can perform the Contract or provide the service promptly, or within the time specified, without delay or interference;
 - (c) The character, integrity, reputation, judgment, experience, and efficiency of the Bidder;
 - (d) The quality of performance of previous contracts or services;

- (e) The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract or service;
- (f) The duration of lead time required between time of order and expected delivery of vehicles.
- (g) The sufficiency of the financial resources and ability of the Bidder to perform the Contract or provide the service;
- (h) The quality, availability and adaptability of the supplies, or contractual services to the particular use required.

The following weighting metric shall be used to determine “highest value” from those proposers who satisfy the above metrics.

Purchase price:	40%
Lifetime Operating Cost:	30%
Warranty Value:	20%
Delivery Date:	10%

1. Bidder Qualifications:

The Bidder must be the manufacturer or authorized dealer for such a manufacturer of the vehicles it proposes to furnish. The manufacturer or authorized dealer for the vehicles will be considered only if such manufacturer or authorized dealer is a person, firm, or corporation which:

Has been engaged in the manufacture and advertised sales or has been an authorized dealer for such a manufacturer of compact vans, vans, station wagons, or buses, for a period of not less than three (3) years; and

Has an operation or is an authorized dealer for a manufacturing facility adequate for, and devoted to, the manufacture or sale of compact vans, vans, station wagons, or buses, with sufficient capacity to assure the delivery of all vehicles in compliance with the Bidder’s submitted proposal.

The financial condition, skill, experience, ability, and facilities of any or all Bidders to perform any contract resulting from proposals received in response to this RFP will be taken into consideration in order to determine whether the Bidder is responsible and properly equipped to undertake and carry out the terms of such contract.

20. Anticipated Duration of Contract:

MTA will discuss a delivery of up to five (5) 78 passenger conventional propane school buses with the bid aware.

21. Assignability:

The terms and provisions of the Contract Documents shall be binding upon MTA and the Contractor and their respective partners, successors, heirs, executors, administrators, assigns, and legal representatives.

As MTA is not seeking optional future vehicles, no portion of this award will be assigned by MTA to another public transportation provider.

22. Pricing:

The price to be quoted in any proposal submitted shall include all labor, materials, tools, equipment, and other costs necessary to fully complete the project in accordance with the specifications. Anything omitted from this specification that is clearly necessary for the completion of the item and its appurtenances shall be considered a portion of such proposal item although not directly specified or called for in these specifications. Bidder will not include any discounts in the proposal pricing. However, MTA will accept any discounts offered during the course of the contract.

Freight must be included in proposal price.

23. Terms of Payment:

Bidder should note any discounts for payment before thirty (30) days. Corresponding bills of lading must be shown on the invoicing.

24. Purchases are exempt from payment of all Federal, State and local sales and excise taxes in connection with the Project. Said taxes must not be included in proposal prices. Purchaser will provide necessary tax exemption certificates to supplier.

25. Proposal Acceptance:

Each proposal will be submitted with the understanding that the acceptance in writing by purchaser of the offer to furnish any or all of the items described therein, shall constitute a contract between the bidder and the purchaser which shall bind the bidder on his part to furnish and deliver at his proposal price, and in accordance with conditions of said accepted proposal and specifications.

26. The Contract Agreement will be in the form customarily employed by the MTA and will incorporate the Notice to Bidders, the Terms, Conditions, and all contents of this RFP, and the entire contents of the Bidder's proposal.
27. The Revised Statutes Annotated of the State of New Hampshire, insofar as they apply to the laws of competitive proposing, contracts, and purchases, are made a part hereof.
28. Delivery Instructions

Unless otherwise specified, the delivery location shall be 110 Elm Street, Manchester, New Hampshire. Shipments shall be accepted Monday through Friday, 8:00 AM to 4:00 PM, excluding holidays. Contractor is required to notify MTA's purchasing agent in advance if delivery cannot be made during these hours.

MTA will accept up to five conventional school buses. The determination of when the buses are to be delivered will be discussed with the bid award.

29. Miscellaneous Contract Provisions
 - a. Contractor warrants that it has not been paid any bonus or commission for the purpose of obtaining this Contract.
 - b. The failure of MTA at any time to insist upon a strict performance of any terms, conditions and covenants herein shall not be deemed a waiver of any subsequent breach or default of the terms, conditions, and covenants herein contained.
 - c. Contractor shall not assign any interest or obligation in this Contract, and Contractor shall not transfer any interest in the same (whether it be assignment or notation), without the prior written consent of MTA.

- d. Any proposed change or modification of this Contract shall be submitted in writing to MTA for its prior approval. All changes shall be by written agreement of MTA and Contractor.
- e. The Proposal submitted by the Contractor is incorporated herein by reference as if fully set forth verbatim herein. In the event of conflict between this Contract and Proposal, the provisions of this Contract shall control.
- f. This Contract, except as set forth in the preceding paragraph, represents the entire and integrated Agreement between MTA and the Contractor and supersedes all prior negotiations, statements, instructions, and representations or agreements, whether written or oral.

This Contract may not be modified, amended or assigned except by written agreement duly signed by both parties.

- g. At the election of MTA, the invalidity or illegality of any provisions of this Contract, other than arising from the fiscal inability of MTA to pay the compensation due to the Contractor as same becomes due, as determined by a court of last resort of competent jurisdiction, shall not affect the validity of the remainder of this Contract, and this Contract shall remain in full force and effect as if such illegal or invalid provisions were not contained herein.
- h. As delivery date is a scoring metric, MTA reserves the right to impose liquidated damages in the amount of \$50.00 per day for deliveries occurring later than the specified number of days after purchase order submission as outlined in successful award proposal. Bidders should designate delivery date in the form of X days from purchase order submission.

30. VW Environment Mitigation Trust Requirements

- a. MTA maintains goals to reduce greenhouse gases and harmful tailpipe pollutants. MTA has required emissions to meet the highest standards available. Engines are ordered and delivered for this bid shall be certified to not exceed 0.02 NOx. Certification shall be issued by CARB and/or EPA and meet the requirements for NOx.
- b. Bidder shall provide, with the bid documents, a valid certification certificate for the engine and emissions system bid, (Executive Order A-322-0053 for new, on-road heavy duty motor vehicles) pursuant to the authority vented in the Air Resources Board by Health and Safety Code

Division 26 Part 5, Chapter 2 and pursuant to the Health and Safety Code sections 39515 and 39516 and Executive order G-14-012.

- c. The bidder shall provide, with the bid documents, a Certificate of Conformity issued by the EPA, for model year 2019 alternate fuel engines pursuant to Section 206 of the Clean Air Act (42 U.S.C. section 7525), 40 CFR, Part 86, and subject to the terms and conditions prescribed in those provisions.
- d. The bidder shall provide, with the bid documents, CARB certification compliance with evaporative emissions standards, 13SRR 1976(b)(1)(F).
- e. Engines installed in buses delivered to MTA shall be certified as specified without use of swaps, credits, penalties, payments, or any other mechanism.
- f. Warranty: Manufacture's (OEM) fully transferable warranty 100% parts and labor, including all electronics, emissions, and injectors. Minimum 100,000 miles, 7,500 hours, and 60 months from in-service date.
- g. Bidders are asked to submit bids only for engine, transmission, powertrain, and fuel systems with demonstrated history of performance with minimum out of service time. References furnished shall be limited to fleets with 75 or more propane school buses operated in comparable service conditions to that of MTA for a minimum of three (3) school years of 180 days or more.
- h. Bidder and/or manufacturer shall submit with the bid, three references, including school district name, contact names, e-mail address, and telephone numbers. Bidder must list the number of propane buses, delivery date, and days in service.
- i. Certified to meet Colorado Racking and Kentucky Pole Test with manufacture's documents indicating compliance.

SCOPE OF WORK

I. BUS CHASSIS SPECIFICATION FOR EACH BUS

NOTE: Chassis must meet all Federal Motor Vehicle Safety Standards (FMVSS) and requirements of the New Hampshire School Bus Transportation Rules (SAF-C 1301-1315).

A. Chassis

1. Chassis shall be standard for minimum 78-passenger type-C school bus.
2. Fuel tank, minimum 60-gallon, aluminized steel tank compliant with SAF-C 1308.11.
3. Fuel capping system
4. All buses to have aluminized steel exhaust systems to exit on the side of the body, in front of the rear dual tire, compliant with SAF-C 1311.05.
5. Wheelbase maximum 279"
6. GVW shall be compliant with SAF-C 1308.21.
7. Tilting fiberglass hood and fenders in single unit.
8. Front bumper to be heavy duty, with Rhino Liner.
9. There shall be black rubber cowl skirt protectors on both sides.

B. Power Plant

1. Propane fueled V8 or V10 engine that is certified not to exceed 0.02 NOx
2. Minimum 6.8 liter engine
3. Minimum 270hp, preferred greater than or equal to 320hp
5. Viscous fan drive.
6. 110V, 750-Watt block heater.
7. -40 degree anti-freeze.
8. Engine primer pump.
9. Standard gauge package meeting SAF-C 1308.16 requirements.
10. A speed governor shall be set to not exceed 65 mph.

C. Drive System

1. Minimum 6-speed Automatic Transmission.

2. Two (2)-propeller shaft guards (SAF-C 1311.03).
3. Transmission oil filter both internal and external.

D. Wheels, Tires, Rims

1. 5 hand-hole disc wheels for radial tires.
2. Rims 22.5 x 8.25, six required.
3. All-Season Tires – Michelin front: 11R22.5 XZE, or equivalent.
All Season Tires – Michelin rear: 11R22.5 XDN2

E. Brakes

1. Meritor full air disc brakes, S-cam type with automatic slack adjusters, compliant with SAF-C 1311.02.
2. Bendix Compressor preferred)
3. Heated air dryer, Bendix ADIP, and moisture ejector, spin or cartridge type.

F. Electrical

1. 12 volt system throughout.
2. Alternator to be at least 240 amperes, compliant with SAF-C 1309.01.
3. Two (2) batteries, 1100 CCA or greater, compliant with SAF-C 1309.02.
4. Circuit protection compliant with SAF-C 1309.03, where fuses are used, storage of spare fuses or circuit breakers must be provided.
5. Wiring compliant with SAF-C 1309.04. Wiring diagram for all electrical circuits shall be provided, which shall include colors and codes.
6. Self-canceling directional signals to be steering mounted.
7. Halogen Headlights.
8. LED Parking lights.
9. Two (2) LED back-up lights.
10. Ignition, keyed alike through all new vehicles. Ignition lock per SAF-C 1308.15. 3 cut spare keys per bus to be included.
11. Engine shall shut down when the key is turned off.
12. Master Cut-Off switch/Ignition/Battery & Safety.
13. 12 volt power outlet in the drivers area.

G. Axles, Springs, Steering

1. Front heavy-duty shock absorbers and rear air ride compatible with rated axle capacity at each wheel location.
2. Progressive type heavy-duty rear springs on rear axle, not less than 19,800 lb. capacity.
3. 10,000 lb. front axle.
4. Meritor 20,000 lb. rear axle with 5.56 gear ratio, or as required for 65 MPH highway cruising speed or as recommended.
5. Air Ride Suspension
6. Power Steering to be provided.

H. General

1. One (1) set of paperback service manuals to cover repairs, trouble shooting, electrical and component overhaul, shall accompany this order. Manuals must cover the entire power train, chassis and electrical. One (1) electrical schematic manual.

II. BUS BODY SPECIFICATIONS FOR EACH BUS

Body Type C conventional meeting all Federal Motor Vehicle Safety Standards (FMVSS) and requirements of the New Hampshire School Bus Transportation Rules (SAF-C 1301-1315).

A. Body Structure

1. Body Structure compliant with SAF-C 1308.03. Bus bodies completely undercoated with Sherwin Williams coal tar epoxy undercoat or approved equal, all body parts adequately rust-proofed.
2. Ceilings, side and rear walls to be insulated with fiberglass or similar material (SAF-C 1308.17).
3. Aluminum interior panels, entire ceiling to be acoustic.
4. Folding external stirrup steps and handles for windshield cleaning (SAF-C 1308.29).

5. Rubrails compliant with SAF-C 1308.23. Four snow rails or rub guards on lower skirt exterior to be painted black.
6. Crash barrier, including panel and safety bar, in front of right front seat fully padded (SAF-C 1308.24).
7. Crash barrier installed behind driver's seat, stanchions and rails fully padded (SAF-C 1308.24).
8. Head room 77" minimum.
9. Two (2) combination vent/escape hatches shall be installed in the roof, one in the front and one in the rear center of the bus. To have a red handle to open. Must meet New Hampshire SAF-C requirements.
10. Two (2) mud flaps mounted rear of dual wheels and two (2) mud flaps mounted rear of front wheels.
11. Fenders rear wheels: If tires extend beyond body there shall be fenders to cover the tires.

B. Windows (SAF-C 1308.32)

1. Windshield of approved safety glass to be conventional straight type. All passenger windows are to be tinted.
2. Approved safety glass in the rear emergency door.
3. Rear corner window to be straight wide view type.
4. Split sash (two-piece) side windows, top portion to open.
5. Window to left of driver is to open for ventilation, and to be no fogging insulated glass.
6. There shall be two (2) emergency push-out windows on each side of the bus meeting FMVSS 217 requirements. These windows must meet State of New Hampshire specifications, including distinct audible signal to driver.

C. Seats and Flooring (SAF-C 1308.24, SAF-C 1308.09, FMVSS 222)

1. Seat spacing to be equal for all seats, forward facing standard 39" wide.
2. Seat covering to be 42 ounce minimum of grey koroseal or equivalent with welting. Covering and cushion meeting or exceeding FMVSS Fire Safety Standards.
3. Seats to be floor mounted at aisle side, and wall mounted at window. Seats to be fastened to the floor with bolts.
4. High-back air driver's seat to be adjustable, fore, aft, up and down (air), meeting minimum requirements of SAF-C 1308.24 .
5. Driver's seat shall have cloth inserts on the backs and cushion. The color may be black. Cushions and covering meeting or exceeding FMVSS Fire Safety Standards.
6. Three point shoulder harness (safety orange) for driver's seat (3 point adjusted height, anchor behind drivers head.)
7. First row, right and left passenger seat to be mounted with 2 lap seat belts each.
8. Floor plywood insulation ½" thick minimum (SAF-C 1308.17).
9. Floor covering in aisle, entrance and step treads to be non-skid fire resistant, rib-type material (SAF-C 1308.09).
10. Balance of body flooring to be fire resistant heavy-duty rubber (SAF-C 1308.09).
11. Front steps to be of one piece stainless steel backed with safety tread.
12. Access panel for entry into fuel sending unit through floor (SAF-C 1313.12).

D. Doors (SAF-C 1308.07)

1. This order shall have one emergency door per bus and that shall be located in the rear of the bus. This door must have an audible alarm and a red light over the door, lower glass, EMERGENCY DOOR lettering inside and out (SAF-C 1308.07).

2. Emergency door to have guard over handle to prevent accidental opening with interior door locking feature and ignition interlock.
3. Grab handle stanchion at entrance door to extend to vicinity of lowest step.
4. Heavy duty split-type entrance door to be air operated with exterior locking feature with key.
5. Entrance Door - Approved safety glass in upper and lower panel, with overlapping rubber strips on vertical mating edges.
6. The access panel over the entrance door to the air cylinder shall be hinged. Clearly labeled emergency release device located above or adjacent to the panel or door.
7. Header pads minimum 4" wide and 1" thick over entrance door and emergency exit.

E. Electrical

1. All body electrical circuits, with the exception of the hazard warning lights, shall be powered through a continuous duty solenoid actuated by the vehicle's ignition switch. This solenoid should be rated 150% of calculated total load of all controlled circuits. Only state requirements that alter which circuit must be furnished continuous power will take precedent over the above and never will delete the solenoid requirement.
2. Principal electrical fuses or circuit breakers to be accessed via external side door located near driver's window. Provisions shall be made to hold spare fuses at the fuse box per SAF-C 1309.03.
3. AM/FM/PA radio with adequate noise suppression will be supplied. Mounting location and type and location of antenna to be approved by purchaser. AM/FM radio to be incorporated, and the front plate of the radio must be permanently attached. Radio shall function as PA-system and incorporate hand-held microphone and microphone clip conveniently located to driver.

4. Radio speakers to be flush mount in ceiling. Eight (8) radio/PA speakers are required, evenly spaced from front to back of bus, four (4) on right and four (4) on left, no exterior.
5. High Idle rocker switch activated by the driver to idle the engine at 1200 rpm.
6. Engine Block Heater – with plug-in at the rear of the bus.

F. Lights and Signals (SAF-C 1308.18)

1. Amber directional signals, mounted on side near front of bus body and a LED direction lamp to be placed on the mid-section of the hood/fender and both to be connected with the other self-canceling directional signals.
2. Two LED side direction lights on each side of the bus, one to be placed behind the door and the other over the rear tire, one placed behind the stop sign and the other over the rear tire.
3. Two LED brake or stop lights at rear.
4. Two LED turn lamps at rear.
5. One LED license plate light.
6. Two LED back-up lights on each side of body at rear, activated when transmission in reverse.
7. LED clearance lights.
8. LED Stepwell or courtesy light at entrance door of the step and on the roof inside to automatically turn on while the door is open.
9. Individual LED light and control to illuminate the driver's area, double LED lighting in passenger area to be controlled with three tier light buttons (front, mid, rear).
10. Single push button exterior lamp check system shall be included.

G. Loading Lights (SAF-C 1308.19)

1. Eight-way warning shall be in accordance with SAF-C 1308.19. Red and Amber signal lights to be Strobe LED and in accordance with SAF-C 1308.9 (a), (b), (c). A visor over each light or a single visor over the pair of lights is acceptable.
2. All flashers enclosed in body in an accessible location. An Incandescent Light Monitor device in driver's area, warning driver when any of the eight-lamp and exterior rear (brake, reverse, directional) warning system lamps are inoperative, is required.
4. Air-operated, octagonal, reflectorized red Stop Arm with Strobe LED alternate red flashing lights, meeting requirements of SAF-C 1308.19 (g), installed under drivers window.

H. Heaters (SAF-C 1308.12)

1. Hot-water heating system shall meet or exceed minimum performance and construction requirements of SAF-C 1308.12. All heaters referenced in Section H to have serviceable filters.
2. Two front heaters and forced air defroster for left and right windshield and stepwell, to have 3-speed controls on each and a minimum BTU capacity of 90,000 left and 50,000 right.
3. Front heater to include adjustable foot warmer heater or vent control for driver.
4. MTA would like baseboard heat in the passenger area; the heating elements are required on both sides of the interior area of the bus with a temperature control in the drivers' area. Baseboard heat should provide a minimum of 80,000 BTU's.
5. Front heating system adaptable to warm weather fresh air ventilation with fan.
6. Two ball-type shut off valves in pressure and return heater lines to be located in engine housing area for emergency purposes.
7. Stainless steel manifold for heaters.
8. Two six-inch fans with protective cage, one to be mounted in the center of the windshield and a second overhead to the left of the driver's seat. Each fan controlled by separate switch (SAF-C

1308.31). Fans shall have either bolt tension type or spring and bolt type base. No ball type bases are acceptable.

I. Windshield Wipers and Washers (SAF-C 1308.33)

1. Each bus to have two (2) heavy-duty electric types with minimum 2 speed controls, wiper arm and blade a minimum of 14-inches long.
2. Windshield washers both sides are required.

J. Mirrors, Sun Visor (SAF-C 1308.20, SAF-C 1308.30)

1. Inside rear view mirror to be 6" x 30" heavy-duty nonglare with visor.
2. Deluxe 6" x 30" sun visor to be fully adjustable and mounted in two brackets.
3. All outside mirrors, including front fender mirror, will be part of the Rosco's no blind spot mirror system, complying with latest requirements of FMVSS 111. Both side exterior mirrors are to be remotely controlled within the driver's area and heated with a driver activated, rocker switch with timeout. Crossover mirrors to be heated.

K. Safety Equipment

1. Horn meeting SAF-C 1308.13 requirements; audible at least 200 feet from the bus.
2. Back-up warning alarm meeting requirements of SAF-C 1308.02, 102 decibels minimum.
3. Retracting front bumper crossing gate shall be provided with arm cancel switch in driver compartment.
4. Two light weight rubber (2) 4" x 4" x 8" chock blocks (SAF-C 1310.01).
5. Fire extinguisher to be 5 lb. 2A-10B:C UL-approved dry chemical type with pressure gauge, mounted in an area in full view and readily accessible to driver and passengers (SAF-C 1310.02). Fire extinguisher to be properly mounted upright with bracket.

6. Thirteen (13)-unit first aid kit including one mouth-to-mouth airway, meeting SAF-C 1310.03 requirements, mounted in driver's compartment.
7. Three (3) reflective triangles road warning devices in storage box, securely mounted in driver's area (SAF-C 1310.04).
8. Bodily fluid spill kit, meeting requirements of SAF-C 1310.05, securely mounted in driver's area.
9. Seat belt cutter securely mounted in driver's area (SAF-C 1310.06).

L. Miscellaneous

1. Hood to be painted flat black.
2. Roof to be painted solid white.
3. "STOP ON SIGNAL" in black letters on rear of bus. "SCHOOL BUS" in 8-inch "Series B" black letters on reflective school bus yellow background front and rear (SAF-C 1308.14).
4. "EMERGENCY DOOR" – above rear door and arrows on door inside and outside to comply with New Hampshire requirements.
5. Buses to be numbered beginning with numbering provided by MTA. Die-cut pre-spaced vinyl numbers shall be 3 1/2" x 4" Medium Helvetica type, five per bus to be sent to the Manchester Transit Authority. The application will be done in-house.
6. "MANCHESTER SCHOOL DISTRICT" shall be 5" black letters with 3/4-inch strokes on both sides, located below windows in flat surface, applied by seller (SAF-C 1308.14).
7. USDOT lettering applied on lower skirt both sides behind entrance door to read as follows: "OPERATED BY MANCHESTER TRANSIT AUTHORITY (1st line), USDOT 1080030 (2nd line). Letters to be 2-inches high, 1 1/4-inches wide, with 3/8-inch width (SAF-C 1308.14), applied by seller.
8. Reflective Markings: yellow-background "SCHOOL BUS" front and rear, 2" strip all around bus and around perimeter of rear of

bus in compliance with FMVSS 131, Table 1. Bumpers marked diagonally with 2 ¼--inch non-contrasting reflective material. (SAF-C 1308.22).

9. Paperback maintenance and operation manuals, and a parts book to be furnished. Including full electrical schematic and drawing (SAF-C 1309.04).
10. Steering wheel shall have tilt and telescope functionality.
11. Driver storage compartments to the left of the driver, overhead and to the right in a glove compartment style.
12. Driver's cup holder.
13. Driver electronic adjustable accelerator and brake pedals.

M. MDVR Security Camera System

1. Vendor shall furnish, installed, Radio Engineering Industries (REI) recording system supplied by REI, 6534 L Street, Omaha, NE 68117. Please contact REI for best camera millimeter lenses. Please contact MTA for exact placement of the cameras.

Suggested Parts:

DVR, HD5-1200 12 Channel w/ WI-FI/GPS Module
HD5 Series Hard Drive 2TB
Bus-watch harness, alarm/panic
Harness, DVR vehicle sensors
Wi-Fi MIMO + GPS, Antenna with 20' Cable(s) Kit
Four (4) AHD Minibox Camera 170° HFOV-
Driver/Passenger Area
One (1) IP Mini-Dome Camera 107° HFOV- Front Windshield
Two (2) Side Camera 6.0mm Right Side (Curb) Forward, Left
Side (Driver) Backward- Outside
One (1) Exterior Left Rear ALPR Overview Camera – Stop
Arm

All applicable wiring

The list above is provided as a courtesy to vehicle vendors based on REI systems previously supplied for Purchaser's buses. Purchaser makes no

representation that the above list specifies a complete system. Vehicle vendor is responsible to determine equipment necessary for a complete installation. **Please contact MTA for exact placement of cameras.**

N. Child Reminder System

1. Vendor shall furnish and install “no child left behind” alarm system with rear reset button.

O. Maintenance Software

1. Vendor shall furnish two (2) software diagnostic licenses for engine, transmission on a body, that have a subscription for enhanced troubleshooting. This software shall valid for a minimum of three (3) years. Vendor is to provide service adapters.

P. Maintenance Hardware

1. Vendor shall furnish two (2) Propane evacuation systems with built in tanks
2. Two (2) compatible diagnostic pass through adapters
3. Two (2) proper propane quick connect tools
4. Two (2) mechanic fuel pressure adapter

III. Certificates of Title

Certificates of Title to be made out as follows:

City of Manchester
Manchester Transit Authority
110 Elm Street
Manchester, NH 03101-2799

IV. Delivery Schedule

Please specify your minimum guaranteed delivery from date of order. Buses shall be delivered to MTA at 110 Elm Street, Manchester, NH.

Warranty shall commence on these units on the first day the buses are put into service.

The Manchester Transit Authority reserves the right to impose a penalty of \$25.00 per bus in liquidated damages per day for the first thirty (30) days for failure to deliver the buses after the indicated date of delivery.

If, after the thirty (30) day period has passed and the buses have still not been delivered, the MTA reserves the right to impose a further penalty of \$100.00 per bus in liquidated damages per day for non-delivery.

As previously mentioned in this bid, MTA will accept up to fourteen conventional school buses, delivered over FY20, FY21 and FY22. The determination of when the buses are to be delivered will be discussed with the bid award.

Diagram A

78 Passenger School Bus

To be supplied by Bidder

EXHIBIT 1-1

**MANCHESTER TRANSIT AUTHORITY
RFP 22-01
BID FORM**

FOR: UP TO (5) 78 PASSENGER CONVENTIONAL PROPANE SCHOOL BUSES

TO: Manchester Transit Authority
110 Elm Street
Manchester, New Hampshire 03101
(603) 623-8801
(603) 626-4512 Fax

The undersigned hereby offers to furnish up to fourteen 78 passenger school buses at the prices quoted below in conformance with the terms, conditions, and specifications received from MTA which have been carefully examined and which are incorporated by reference herein. The prices quoted are exclusive of all federal, state and local taxes. The prices quoted include all costs / charges for delivery to MTA's specified location, processing costs, overhead, and any other government charges which are now or may be subsequently imposed on items to be supplied, and any other charges / costs associated in the furnishing of the items to be supplied. All prices quoted SHALL BE FIRM / FIXED.

PLEASE PROOF READ YOUR BID CAREFULLY!

ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

COMPANY

Print Name Of Auth. Rep.

Auth. Rep. Signature

EXHIBIT 1-2

**MANCHESTER TRANSIT AUTHORITY
SUPPLEMENTAL INFORMATION REQUIRED OF BIDDERS
RFP No. 22-01 Up to (5) Five 78 Passenger Conv. Propane School Buses**

Warranty - Body Structure (including rust):

Warranty - Body Components:

Warranty - Engine: _____

Warranty - Transmission: _____

Warranty - Axles: _____

Location for Engine / Transmission Warranty Repair:

Location for Body Warranty Repair:

EXHIBIT 1-3

**MANCHESTER TRANSIT AUTHORITY
REQUESTS FOR APPROVAL OR EXCEPTION**

DATE: _____ PAGE: _____

MANUFACTURER: _____

SECTION: _____ PAGE: _____

BIDDER'S REQUEST:

RESPONSE:

APPROVED _____

DENIED _____

COMMENTS:

SIGNATURE _____ DATE _____

EXHIBIT 1-4

AMENDMENT PAGE

The undersigned acknowledges receipt of the following amendments to the Documents.

(Give Number and date of each):

Amendment No. _____

Dated _____

Failure to acknowledge receipt of all amendments may cause the bid to be considered non-responsive to the Invitation, which will require rejection of bid.

Signature

Title