PURCHASING DIVISION CITY OF WORCESTER MASSACHUSETTS 01608-1895 **ROOM 201 - CITY HALL, 455 MAIN ST.** PHONE (508) 799-1220

SEALED BID INVITATION (Supplies, Material, Equipment, Services)

DATE: OCTOBER 27, 2021

AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER

BID NO. 7694-W2
DATE: October 6, 2021
CITY OF WORCESTER Christopher J. Gagliastro, MCPPO Purchasing Agent

TIME: 10:00 A.M. LOCAL TIME

BUYER: Christopher J. Gagliastro

Bidders must state and identify the product offered, such as manufacturer's name, trade name, brand name and quality next to each item. WE MUST KNOW WHAT HAS BEEN OFFERED. By virtue of the offeror's signature below, proposer certifies that the product (s) or service (s) bid are in compliance with the City's terms, conditions and specifications in all aspects.

COMPLETE ORIGINAL COPY (including ALL pages) OF THIS BID MUST BE SUBMITTED IN A SEALED ENVELOPE:

PLACE: _	PLACE: Purchasing Division, Room 201, City Hall, Worcester, Massachusetts							
MARK SEALED ENVELOPE: "Sealed Bid No. 7694-W2 Vehicles, School Buses (Type A & C) / WPS"								
		dress of the bidder must appear in the upper loads not properly marked.	eft hand	corner of the	ne envelop	e. The Cit	y of Worcester is not	
All bids received will be publicly opened and read in the Bid Room, City Hall at date and time shown above. NO BID WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED BIDDER TO COMPLETE ITEMS BELOW								
Item No.	QTY	Description		Make	Model	Unit Price	Total Price	
		Furnish and Deliver New, Model Year 2021 of newer Chevrolet or GMC Dual Rear Wheel Commodel School Buses as per the attached specifications and requirements of the City of Worcester Public Schools	hassis				See pricing page	
		Questions pertaining to this bid must be direct Christopher Gagliastro via e-mail at gagliastroc@worcesterma.gov	ted to					
ABOVE AI	RE FOR (D	EPT.) WPS	BIDDER					
DELIVERY TO BE F.O.B. (LOCATION) <u>WPS BUS YARD – 115 NORTHEAST</u> CUTOFF, WORCESTER, MA			ADDRESS					
			CITY/TOWN					
DELIVERY IS REQUIRED BY: (DATE) <u>BY 6/1/22</u>			STATE ZIP					
BIDDER TO SPECIFY: DELIVER: DAYS FROM RECEIPT OF ORDER			AUTHORIZED SIGNATURE TEL.:					
PROMPT PAY DISCOUNT: % 30 DAYS, NET 45 DAYS			DATE:					

CONDITIONS

- 1) Prompt pay discounts will be considered when determining the low bid except when discounts are for a period of less than 30 days. In this event discounts will not be taken into consideration when determining low bid.
- 2) Time, in connection with discount offered, will be computed from date of completion and/or delivery and acceptance at destination, or from date correct bill or voucher properly certified by the contractor is received if the latter date is later than the date of completion and acceptance and/or delivery and acceptance.
- 3) As the City of Worcester is exempt from the payment of Federal Excise Taxes, and Massachusetts Sales Tax, prices quoted herein are not to include these taxes.
- 4) All prices are to be firm <u>F.O.B. Delivered Destination</u>, <u>City of Worcester</u>, <u>Massachusetts</u>, unless otherwise indicated by the City. Time reserved for award is ninety days.
- 5) In case of error in the extension prices quoted herein, the unit price will govern.
- 6) It is understood and agreed that should any price reductions occur between the opening of this bid and completion of any delivery of any order, the benefit of all such reductions will be extended to the City.
- 7) The City of Worcester reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interest of the City.
- 8) Awards will be made to the bidder quoting the lowest net price in accordance with specifications.
- 9) The bidder to who a contract is awarded guarantees to the City of Worcester all equipment, materials and/or workmanship for a period of one (1) year after final inspection and acceptance and shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.
- 10) It is understood and agreed that in the event of failure on the part of the bidder to indicate date of delivery and/or completion, delivery and/or completion will be made within twelve (12) days from date of purchase.
- 11) The Bidder must certify that no official or employee of the City of Worcester, Massachusetts is pecuniarily interested in this quotation or in the contract which the bidder offers to execute or in expected profits to arise therefrom, unless there has been compliance with provisions of G.L. C.43 Sec. 27, and that this quotation is made in good faith without fraud or collusion or connection with any other person submitting a quotation.
- 12) This inquiry implies no obligation on the part of the buyer, City of Worcester, Mass. Quotations will not be considered unless returned on this form. Your proposal should be forwarded to the office of the Purchasing Department, City of Worcester in a sealed envelope, plainly marked: "Quotation on (item requested)" also, please show Bid Number.
- 13) It is understood and agreed that it shall be a material breach of any contract resulting from this bid for the Contractor to engage in any practice which shall violate any provisions of Massachusetts General Laws, Chapter 151B, relative to discrimination in hiring, discharge, compensation, or terms, conditions or privileges of employment because of race, color, religious creed, national origin, sex, age or ancestry.
- 14) Any prospective bidder requesting a change in or interpretation of existing specifications of terms and conditions must do so within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date. All requests are to be in writing (e-mailed to gagliastroc@worcesterma.gov) to the Purchasing Department. No changes will be considered or any interpretation issued unless request is in our hands within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date.
- 15) Bids which are incomplete, not properly endorsed, or signed, or otherwise contrary to these instructions may be rejected as informal by the Purchasing Agent. CONDITIONAL BIDS WILL NOT BE ACCEPTED.

- 16) The contractor will be required to indemnify and save harmless the City of Worcester, for all damages to life and property that may occur due to his negligence or that of his employees, subcontractors, etc., during this contract. The City will not indemnify the contractor, nor will the City limit its liability against the contractor.
- 17) The Contract Agreement will be in the form customarily employed by, or acceptable to, the City of Worcester. The City will not be obligated to accept any contract or particular contract provisions proposed by the contractor.
- 18) The Bidder must certify that no official or employee of the City of Worcester, Massachusetts is pecuniarily interested in this proposal or in the contract which the bidder offers to execute or in expected profits to arise therefrom, unless there has been compliance with provisions of G.L. c. 43 Sec. 27, and that this bid is made in good faith without fraud or collusion or connection with any other person submitting a proposal.
- 19) As the City of Worcester is exempt from the payment of Federal Excise Taxes and Massachusetts Sales Tax, prices quoted herein are not to include these taxes.
- 20) In case of error in the extension prices quoted herein, the unit price will govern.
- 21) It is understood and agreed that should any price reductions occur between the opening of this bid and delivery of any order, the benefit of all such reductions will be extended to the City.
- 22) The City of Worcester reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interest of the City.
- 23) The supplier will be bound by all applicable statutory provisions of law of the Federal Government, the Commonwealth of Massachusetts, the City of Worcester, and the Department of Public Safety of the Commonwealth of Massachusetts.
- 24) Any bid withdrawn after time and date specified, the bidder shall forfeit deposit on bid as liquidated damages.
- 25) The contractor will not be permitted to either assign or underlet the contract, not assign either legally or equitably any monies hereunder, or its claim thereto without the previous written consent of the City Treasurer and of the Purchasing Agent of the City of Worcester.
- 26) If this bid shall be accepted by the City, and the bidder shall fail to contract as aforesaid and to give a bond in the amount as specified in Section 4, within ten (10) days, (not including Sunday or a legal Holiday) from the date of the mailing of a notice from the City to him/her, according to the address given herewith, that the contract is ready for signature, the City may by option determine that the bidder has abandoned the contract and thereupon the proposal and acceptance shall be null and void and the bid security accompanying this proposal shall become the property of the City as liquidated damages.
- 27) When quoting, the bidder shall submit a signed copy of this bid form, and if bid accepted by the City shall constitute part of the contract of purchase. Bidder must sign and return complete form 30B (Sealed Bid Goods & Services).
- 28) If in the judgment of the Purchasing Agent any property is needlessly damaged by an act or omission of the contractor or his/her employees, servants or agent, the amount of such damages shall be determined by the Purchasing Agent of the City of Worcester and such amount shall be deducted from any money due the contractor or may be recovered from said contractor in actions at law.
- 29) It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents and/or Acts of God.

INSURANCE AND WORKER'S COMPENSATION

- 30) <u>COMMERCIAL GENERAL LIABILITY INSURANCE:</u> Contractor to supply the City of Worcester with certificates of insurance evidencing general liability coverage of not less than \$1,000,000.00 per occurrence / \$2,000,000.00 aggregate.
- 31) <u>AUTOMOBILE LIABILITY INSURANCE:</u> Contractor to supply the City of Worcester with certificates of insurance evidencing automobile liability coverage, bodily injury and property damage combined single limit, of \$ 1,000,000.00 (all owned, hired, and non-owned autos).
- 32) <u>COMPENSATION INSURANCE:</u> The contractor shall furnish the City of Worcester with certificates showing that all of his/her employees who shall be connected with this work are protected under Massachusetts' statutory worker's compensation insurance policies.

- 33) The Contractor shall carry public liability insurance with an insurance company satisfactory to the City so as to save the City harmless from any and all claims for damages arising out of bodily injury to or death of any person or persons, and for all claims for damages arising out of injury to or destruction of property caused by accident resulting from the use of implements, equipment or labor used in the performance of the contractor or from any neglect, default or omission, or want of proper care, or misconduct on the part of the Contractor or for anyone of his employ during the execution of the contract.
- 34) Prior to starting on this contract, the Contractor shall deposit with the Contracting Officer certificates from the insurer to the effect that the insurance policies required in the above paragraphs have been issued to the Contractor. The certificates must be on a form satisfactory to the Purchasing Agent.
- 35) Except as may otherwise be stated herein, the Contractor shall also carry bodily injury and property damage insurance in an amount not less than those set forth above covering the operation of all motor powered vehicles owned or operated by the Contractor and engaged in this contract.

DISCOUNT

- 36) Prompt pay discounts will be considered when determining the low bid except when discounts are for a period of less than 30 days. In this event discounts will not be taken into consideration when determining low bid.
- 37) Time, in connection with discount offered, will be computed from date of completion and/or delivery and acceptance at destination, or from date correct bill or voucher properly certified by the contract is received if the latter date is later than the date of completion and acceptance and/or delivery and acceptance.

GUARANTEE

38) The bidder to whom a contract is awarded guarantees to the City of Worcester all equipment, materials and or workmanship for a period of one (1) year after final inspection and acceptance and shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.

BID / BIDDER ANALYSIS

- 39) It is understood and agreed that it shall be a material breach of any contract resulting from this bid for the Contractor to engage in any practice which shall violate any provisions of Massachusetts General Laws, Chapter 151B, relative to discrimination in hiring, discharge, compensation, or terms, conditions or privileges of employment because of race, color, religious creed, national origin, sex, age or ancestry.
- 40) The undersigned as bidder, declares that the only parties interested in this proposal as principals are named herein; that this proposal is made without collusion with any other person, firm or corporation, that no officer or agent of the City is directly or indirectly interested in this bid; and he/she proposes and agrees that if this proposal is accepted he/she will contract with the City in accordance with the specifications, also the terms and conditions as spelled out in this bid form.
- 41) No Person, including but not limited to corporations, partnerships, limited partnerships or limited liability corporations, shall be eligible to receive a contract under this invitation to bid and/or requires for proposal if that person has been convicted of any felony offense involving the distribution of controlled substances as that term is defined under Chapter 94C of the General Laws and, for contracts to be performed for on-site services to the Worcester Public Schools, if that person or any person to be employed by that person in the performance of such on-site services has been convicted of a "sex offense" or a "sex offense involving a child" or a "sexually violent offense" or would meet the definition of "sexually violent predator" as those terms are defined in Section 178C of the General Laws and who must register with the sex offender registry board.
- 42) The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ for work or services relating to this contract any unfit person or anyone not skilled in the task assigned to him. In light of the fact that the performance of this contract requires the Contractor and its employees to have significant interaction with the public, the Contractor shall require all employees who may perform services under this contract to conduct themselves in a courteous, professional manner. If the Contractor is notified by the Contract Officer that any person engaged upon the work is incompetent, unfaithful, disorderly, discourteous, or otherwise unsatisfactory, then such person shall be discharged from providing services or work pursuant to this contract. Without limiting the generality of the foregoing, intimidation,

- threats and/or violent conduct of any kind or nature directed to members of the public are absolutely prohibited. Failure to comply with this requirement shall be grounds for termination of the contract.
- 43) The Contractor's performance may be evaluated on an ongoing basis including but not limited to consideration of complaints received from members of the public. In order to facilitate this evaluation, the Contractor shall provide the City with documents and records upon request. The Contractor shall further obtain from its employees authorization that appropriate City personnel may obtain all available criminal offender information ("CORI") from the Criminal History Systems Board. A high number of unresolved complaints, any number of complaints that are particularly severe, or employment of individuals who have been convicted or assault or other violent crimes shall be grounds for the early termination or non-renewal of the contract by the City.
- 44) The procurement officer shall award the contract to the lowest responsible and responsive bidder. The term "responsible bidder" means "a person who has the capability to perform fully the contract requirements, and the integrity and reliability which assures good faith performance." Consistent with its duty to maintain public order and promote public safety, the City has determined that this contract is of a type and nature so as to be particularly sensitive due, at least in part, to the contractor's inherent access and dealings with the members of the general public. Therefore, the City has concluded that additional scrutiny is justified as it determines whether a particular bidder is responsible, having the integrity and reliability to properly perform the requested services. This may entail consideration of the contractor's system of oversight, training and supervision of its employees, including but not limited to its requirement of a high standard of customer service and courtesy in its dealings with the public. The bidder's care and diligence in hiring and assigning its employees will also be considered. In making its determination, the City reserves the right to examine any and all information at its disposal, including but not limited to prior City contracts, the experiences and information obtained from current and former customers (whether identified by the bidder as references or not), as well as other sources available to the City, including but not limited to court documents, newspapers, financial reports (such as DUNS), and certain police data and reports.
- 45) The Contractor, acting through its owner(s) or any of its employees, or its agents or sub-contractors and any of their employees, shall not engage in any behavior, whether during the course of its duties under this contract or at any other time, that is illegal, criminal or otherwise shocking or offensive to the general public. The determination whether any particular behavior is illegal, criminal or shocking to the general public shall rest in the sound judgment of the Contracting Officer or the City Manager. In making such determination, the Contracting Officer or the City Manager shall apply the general standards of the community. No criminal conviction or formal charges shall be required to make such determination. Such behavior need be something more than trivial and something which would cause the general public to have concerns either about the safety of individuals coming in contact with the Contractor or about the character and integrity of the individuals with which the City does business. Violation of this provision shall be grounds for immediate and unilateral termination of this contract by the City upon five days' notice as otherwise provided herein.
- 46) The contractor shall agree that, in the event of a conflict between the Parties, the laws of the Commonwealth of Massachusetts shall apply. The Contractor shall further agree to the personal jurisdiction of any federal or state court located in Worcester County, Massachusetts and waives any objection based on non conveniens with respect to any action rising out of or relating to this lease.
- 47) All buses must fully comply with all applicable federal and Massachusetts laws and regulations, including, but not limited to, requirements of the Department of Education, and the Department of Motor Vehicles. Without limiting the generality of the foregoing, the contractor is responsible to ensure that the buses are in good condition and satisfy all preconditions and criteria.
- 48) The City will not agree to pay the contractor's attorney's fees or costs. The City will not agree to mandatory arbitration or mediation.
- 49) The City of Worcester is self-insured.
- 50) The City of Worcester is a tax-exempt municipality. The City will not pay taxes of any kind with regard to the purchase of this equipment. The City's tax forms are available upon request and City financial statements are available on the City website.

CERTIFICATE OF GOOD FAITH FORM AS REQUIRED BY M.G.L. c. 30B

UNDER M	,	CHAPTER 30B: SECTION 10, THE FOLLOWING UST BE PROVIDED:					
Section 10		for the procurement or disposal of supplies, or services in writing, on the bid or proposal, as follows:					
without collusion o	r fraud with any other person. As used in this	or proposal has been made and submitted in good faith and certification, the word "person" shall mean any natural person, er organization, entity, or group of individuals."					
(Please Print)	Name of Person Signing Bid						
_	Signature of Person Signing Bid						
_	Company						
No	award will be made without	vendor certification of the above.					
-							
	<u>IMPORTANT NO</u>	TICE TO BIDDERS:					
BIDDERS ARE ADVISED NOT TO TAKE ANY EXCEPTIONS TO THE CITY'S TERMS & CONDITIONS. BIDS THAT INCLUDE COMPANY TERMS & CONDITIONS WHICH CONFLICT WITH THOSE OF THE CITY MAY BE REJECTED.							
All spec	All specifications must be met in their entirety to be considered for award. Bidder certifies that specifications have been met in their entirety						
	Yes	No					

Questions pertaining to this bid must be submitted to Christopher Gagliastro via email at gagliastroc@worcesterma.gov

SPECIFICATIONS / REQUIREMENTS – VEHICLES, SCHOOL BUSES (TYPE A & C) / WPS BID #: 7694-W2

Bid / Contract Requirements:

- All buses must be delivered to the Worcester Public Schools Transportation
 Operations Center. Buses will be accepted as soon as available, but must not be
 received later than June 1, 2022.
- Buses will be registered, insured, maintained and operated by the Worcester Public Schools.
- Bidders shall provide a thirty-six (36) month "bumper to bumper" warranty.
 EVIDENCE OF COVERAGE MUST BE SUBMITTED WITH THE BID.
- The bidder shall be a fully factory authorized dealer for the buses bid, including parts and service.
- The distributor shall maintain a place of business within 100 miles of Worcester,
 MA.
- The successful bidder will pick up from Worcester, MA and deliver back to Worcester, MA any bus needing warranty service. All buses must be delivered back to the Worcester Public Schools Transportation Operations Center within 10 days of pickup for all warranty service.
- All buses will be delivered ready for service, having been washed and fully prepped for service, including, but not limited to, cameras.
- Buses must pass State and Federal requirements and inspections upon delivery
- The bid price must include all fees include, but not limited to, all delivery, dealer preparation, warranty, in-service training and all fees.

BID SUBMISSIONS

- Bids must clearly indicate evidence of compliance to the specifications. Vehicles must comply with the requirements stated herein. NO exceptions allowed.
- Bids must include a complete description of the product bid and a complete description of all features, as proposed.
- Bids must clearly list all option features by number or code and a list of all options installed by the dealer

PRICING PAGE ~ SCHOOL BUSES – Bid #: 7694-W2

Item:	Description	Unit Price	Quantity:	Total Price
1.	TYPE A passenger bus:	\$ x per bus	38 =	\$
2.	TYPE A wheelchair bus	: \$ x per bus	27 =	\$
3.	TYPE C passenger bus:	\$ x per bus	100 =	\$

AWARD: The bid will be awarded by line item. The lowest, responsive and responsible bidder, whose submittal has demonstrated complete compliance with specifications, will be awarded the item.

SCHOOL BUS SPECIFICATIONS ITEMS 1 & 2

CHASSIS REQUIREMENTS:

CHASSIS: Model Year no earlier than 2021 GMC dual rear wheel

chassis model- Type A.

WHEELBASE: 139" minimum

GVWR: No less than 12,000 lbs.

AXLES: REAR: 7,500 lbs. Dual Wheels

FRONT: 4,300 lbs. Capacity

ENGINE: 6.0 Liter; VORTEC 6000; Gasoline with EFI

ALTERNATOR: 145 amp

BATTERY: 600CCA

BRAKES: Four-way, anti-lock

AIR CONDITIONING: Front dash Air Conditioning

BACK-UP ALARM: Must sound when the vehicle is in reverse

BUMPERS: FRONT: Manufacturer's standard painted black

REAR: 8 inches with 12-inch wrap-around;

Extended 2 inches to protect all rear lamps

and hoods, painted black

DASH: All light switches and gauges to be on the front dash.

To be included: Headlight on warning

Voltmeter

Speedometer/odometer

Fuel

Temperature Gauge

DRIVELINE GUARD: Installed on each drive shaft section

DRIVER'S SEAT: High back with high visibility shoulder harness

EMISSIONS: Must be certified to meet Massachusetts emission standards

EXHAUST: To be routed to the rear of the bus, through the rear bumper

FUEL TANK: Minimum 30 gallons, filler to be left side-mounted

HEADLIGHTS: Halogen, daytime running required

HORN: Dual tone mounted in front

IGNITION: To include body solenoid for all circuits

PAINT: National school bus yellow, trim black

Hood to be lusterless flat black

RADIO: AM/FM stereo

SHOCKS: 32-35 mm

STEERING: Full power

Tilt steering wheel

SUSPENSION: Front coil

Rear tapered leaf-spring

TIRES: Steel belted radials with all-season tread; LT225-75R-16D

All wheels must be painted black. Loose-Wheel Nut

Indicators Must be Included.

TRANSMISSION: Automatic 4-speed with overdrive

TOW HOOKS: Mounted on the rear of the mainframe

UNDERCOATING: Full undercoating

WARRANTY: Full manufacturer warranty

WIPERS: Two speed with intermittent control

WIRING: Color-coded

BODY REQUIREMENTS:

AIR CONDITIONING: Transair or equal 30,000 BTU body A/C tied into dash air.

Skirt mounted condenser with winter cover.

Flush-mounted evaporator at the rear of the interior of the school bus. The total height of the vehicle may not

exceed 115".

AUXILIARY FAN: None Required

BODY SOLENOID: Wired through dash for all body circuits

BARRIER PANELS: Both left and right sides of the vehicle

Right side to include modesty panel on the entrance door

side

Left side spaced to provide a minimum of 6-14 inches of deflection from the transition panel behind the driver and allow seat spacing that will allow seat backs near the window emergency exit to line up with the window frames and not block the exit window.

CONTROL PANEL: Must be located in the driver's field of vision while loading

students. Not above driver eye level in a seated position Must be back-lit with push-pull or rocker switches

Must provide easy access for repair

DIRECTIONALS: Side – LED SAE armored

Rear – LED Amber Arrow

DRIVER'S WINDOW: Manual crank

DRIVER'S STEP: External: low, painted diamond plate step, or with the same

ribbed rubber covering used for internal entry steps

EMERGENCY DOOR: Shall include a locking retainer to hold the door in the open

position

Must include an emergency buzzer

Must include audible device equal to or exceeding "C.R.S." (Child Reminder System) or "Child Check Mate System" that must be disengaged by the driver before leaving the

vehicle

Shall include a vandal lock wired to disable the ignition

when the door is locked

EMERGENCY WINDOWS: Two emergency push-out windows with vertical hinges

shall be provided.

One window per side wired with emergency buzzers

Must be in compliance with FMVSS 217

Shall be located in the third seating position from the front of

the school bus

Shall not be located over the stop arm

EMERGENCY ROOF: One TRANSPEC or SPECIALTY roof hatch is centrally

located in accordance with FMVSS 217.

Must be wired with a buzzer

ENTRANCE DOOR: Outward opening, electronically controlled (not manual)

Entrance door glass to be thermo glass

ENTRANCE DOOR HANDRAIL AND

CONTROL ROD: Must meet drawstring test

FLOOR: Plywood sub-floor, 5/8 inch **marine** grade plywood

Rubber ribbed aisle

Smooth rubber under steps

Must be at a single level from top entrance step to therear exit

door of school bus

HEADLINING: Full-length acoustic headlining

HEADER PADS: Located over the entrance, emergency, and left doors

Behind driver in the head impact zone

HEADROOM: Minimum 73" as measured in the passenger aisle between

seats

HEATER: 2-Speed; **60,000** BTU

Must be placed no closer to the front of the school busthan the

third seating position for students

HEATER HOSES: All hoses to be shielded

INSULATION: Complete insulation including roof bows, minimum 1 ½ "

with R-value of 5.75

INTERIOR SIDE PANELS: Aluminized mar proof

JOINT STRENGTH: Must meet FMVSS 221 joint strength requirements

LETTERING: Complete school bus lettering and numbers to include:

Full Massachusetts "Unlawful to pass..."

4" high "Worcester Public Schools" on both sides of the

body

WPS vehicle identification numbers (5" high) to be displayed on sides of the left and right front fenders, onthe front hood above, left headlight, and rear body on the opposite side from license plate

mount

All applicable federal and state requirements

LIGHTS (INTERIOR): Interior dome lights shall be located over the aisle (2) or

on each side (2 front and 2 rear)

The interior driver's dome shall have a separate switch A red light shall be located over the rear emergency door

and be wired with the clearance lights

LIGHTS (SCHOOL

WARNING): 8-way STROBE school bus warning system with individual

black hoods

LIGHTS (EXTERIOR) Stop, tail, and backup lights to be LED (All exterior lights

to be LED with the exception of the headlights)

MIRRORS (INTERIOR): 6" by 16" mirror located over driver

MIRRORS (EXTERIOR): Side and cross-view mirrors with black frames, side mirrors

to be remote-controlled All mirrors shall be heated

MONITOR BOARD: Monitor board for school lamps. See "CONTROL"

PANEL" specification for location.

MUD FLAPS: Front and rear

REFLECTIVE MARKINGS: * 3M diamond grade tape required for reflective markings:

Around each emergency exit including hatches and

windows.

The length of the bus at seat level The outline of the rear of the bus

"SCHOOL BUS" signs on front and rear

Reflex brand tape may be offered as an alternative. However, since we are requiring a specific minimum grade for the 3M brand, it must be the highest grade of Reflexite available at the timeof the bid award that will have the greatest warranty, candlepower, and other reflective features.

RUB RAILS: Four, 16-gauge steel painted black

Located: beneath windows, at seat level, at floor line, at

bottom of body skirt

SAFETY EQUIPMENT: Secured chock blocks

Fire extinguisher, Massachusetts spec., mounted

Reflective triangles mounted in red box accessible from the

rear emergency door

Mounted First Aid kit and body fluid cleanup kit Mounted seat belt cutter (must be within easy reach of

driver)

Mounted fire blanket (per Appendix A)

SEATING: For 38 Type-A Buses (non-wheelchair buses)

For 17 or 18 students in 36" seats (four rows on each side of the center aisle with one 26" seat in the right

rear)

First, second and fourth seats on each side of the aisle must be equipped with *fold-down* integrated child restraints in each seat position (12 seat positions) with sliding shoulder-height adjusters at a location at the topof the seat so any adjustment is performed above the shoulders of the child. The seat strap that attaches the harness straps to the buckling system must Velcro to theseat.

For 27 Type-A Buses (wheelchair buses)

For 8 riders in 36" seats (two rows on each side of thecenter aisle)

First seats on each side of the aisle must be equipped with fold-down integrated child restraints in each seat position (4 seat positions) with sliding shoulder-height adjusters at a location at the top of the seat so any adjustment is performed above the shoulders of the child. The seat strap that attaches the harness straps tothe buckling system must Velcro to the seat.

Sure-Lok L or Q-Straint track seating with floor lengths of 100-150".

The track should accommodate one (1) wheelchair on the lift side back to front without obstructing the lift door (approximately 50.0 track length) and two (2) wheelchairs on the driver side (approximately 104.0 track length back to front).

Tie-Down, track Type L equipped with three (3) complete sets of Titan retractor or QRT-360 with S-hook for series L track- Auto-locking retractor kit complete with S-hooks and occupant restraints.

Three (3) Sure-Lok FE200878 or Sammons Preston mesh storage bags are installed in the bus to store theretractor system when not in use.

All vehicles: Must not block any emergency exits, including side windows (See "BARRIER PANELS" specification above)

Must meet seat spacing requirements for large buses (compartmentalization) – at least the first two seats must provide maximum seat spacing allowed in FMVSS 222 Must be equipped with simultaneous load color-coded 3-point seat belts.

Seat covering must be made of fire-retardant material

SHOULDER PADS: Must be provided below the interior of side windows and

run the length of the seating area

SPEAKERS: Rear radio speaker to be provided toward the center of the

vehicle

STATIC VENTILATION: One static non-closing ventilator must be in the first section

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STEPWELL: 2-step stepwell with white rubber wear plate at the top.

The bottom step must be fully enclosed by the entrance

door

STEPWELL (cont.): Flooring in the student seating compartment must be

level with the top step

STEPWELL LIGHT: Must come on when the door is opened and clearance lights

are on

STOP ARM: A high intensity 3M reflective background stop arm with

LED strobe lights shall be wired with school lamps

Stop arm shall not be located below an emergency push-out

window

STORAGE

COMPARTMENT: For driver's personal property, must be located convenient

to the driver

UNDERHOOD

SHUTOFF VALVES: Dual underhood hot water shutoff valves

WINDOWS (PASSENGER): 9" or 12" split sash windows with 9" stops

Must be factory-tinted glass

WINDOWS (REAR,

EMERGENCY DOOR): Must be factory dark-tinted

WINDOW (SIDE): A right front window is to be provided in front of the

entrance door in the transition area for complete driver

viewing of the danger zone

WIRING: Color-coded and numbered wiring with access from inside

the bus.

Access must be provided without the use of tools

For the 27 Wheelchair Type A Buses:

WHEELCHAIR LIFT Braun 1,000 lb capacity lift on rear curb-side of bus

Must conform to FMVSS regarding wheelchair interlock

requirements.

With the key in the "On" position parking brake must be

applied and transmission in "Park".

The lift door must be opened before the lift can be

activated.

NOTES: All vehicles as supplied in this specification must meet all Massachusetts school bus regulations and Registry of Motor Vehicles inspections.

All paperwork required for vehicle registration must be delivered with the vehicles.

WARRANTY REQUIREMENTS:

WARRANTY: All vehicle components must have a full manufacturer

warranty.

ADDITIONAL

EQUIPMENT: On Spot automatic ice chain system

Installed and programmed, sixty-five (65) complete model DVR-906 M3-128 HD four-camera video systems with HD wide-angle mini-dome camera option plus DVR813 forward-facing camera, supplied by

Pro-Vision Video Systems, conforming to and compatible with the existing systems installed in currentWPS- owned school buses, and one (1) additional solid state Secure Digital Extended Capacity (SDXC) Cards with capacity up to 128GB for each of sixty-five (65) vehicles delivered. Sixty-five (65) ECB Bundles for one (1) year must be included.

Installed, sixty-five (65) brackets and sixty-five (65) programmed tablets matching Tyler Technologies hardware currently installed on Worcester Public Schools school buses to allow for direct communication between Worcester Public Schools school bus operationsoffice(s) and vehicles of various Tyler Technologies software products and modules owned and/or licensed to and operated by Worcester Public Schools. Location of all brackets subject to the approval of the Worcester Public Schools.

Installed Catalytic Converter Theft Prevention device equipped with a physical lock and sonic lock - eg CatStrap and CatEye

Worcester Public Schools reserves the right to install/mount additional equipment in the vehicle at its own expense.

APPENDIX A

FIRE BLANKET SPECIFICATION

Each school bus shall be equipped with an Evac Aid fire blanket. It shall be at least eighteen (18) square feet in size, having a minimum width of 29 inches. The Evac Aid shall be enclosed in a non-metallic enclosure cabinet of no more than five and one-half inches (5 ½") in depth, eight and one-half inches (8 ½") X ten and one-half inches (10 ½") in length and width. It shall be identified on the front as to the contents. The pouch shall be mounted on the left side interior wall in the buffer zone, behind the left rear seat as close to the rear entrance door opening as practical on a horizontal and vertical line no higher than the horizontal metal portion of the seat frame. The blanket and cabinet combined weight shall be less than ten (10) lbs. and shall be attached to the interior wall in a manner that would retain the pouch to the wall when a 20G force is applied to the cabinet in any direction.

SCHOOL BUS SPECIFICATIONS - ITEM 3

CHASSIS REQUIREMENTS:

CHASSIS: Model Year no earlier than 2021 Chevrolet or GMC dual

rear wheel chassis model for Type-C school bus

WHEELBASE: 276"

GVWR: No less than 29,800 lbs.

AXLES: REAR: 19,800 lbs. Dual Wheels

FRONT: 10,000 lbs., integrated design preferred, with

grease pack bearings

ENGINE: Gasoline with EFI

ALTERNATOR: 200 amp minimum

BATTERIES: Three (3) per bus – located on left side of body on slide out

tray, minimum 1950CCA

BRAKES: Air or hydraulic brakes

BRAKES (SLACK

ADJUSTERS) (IF AIR): Meritor (or equal) automatic slack adjusters

BRAKES (AIR DRYER)

(IF AIR): Bendix AD-9 air dryer with heater or equal

BRAKES (DUST SHIELDS)

(IF AIR): Front and rear dust shields

BACK-UP ALARM: Must sound when vehicle is in reverse

BUMPERS: FRONT: Manufacturer's standard painted black

REAR: 8 inch with 12 inch wrap-around; Extended

2 inches to protect all rear lamps and hoods,

painted black

CROSSING GATE: Front, air or electric controlled, bumper mounted, yellow

blade

DASH: All light switches and gauges to be on the front dash.

To be included: Headlight on warning

Voltmeter

Speedometer/odometer

Fuel

Temperature Gauge

DRIVE LINE GUARD: Installed on each drive shaft section

DRIVER'S SEAT: Air or mechanical suspension. High back, fully adjustable.

High visibility shoulder harness.

EMISSIONS: Must be certified to meet Massachusetts emission standards

EXHAUST: To be routed to the rear of the bus, through or under the

rear bumper

FUEL TANK: Minimum 60 gallon

HEADLIGHTS: Halogen, daytime running required

HORN: Dual tone mounted in front

IGNITION: To include body solenoid for all circuits

PAINT: National school bus yellow, trim black

Hood to be lusterless flat black

RADIO: AM/FM stereo

SAFETY EQUIPMENT: Electronic Stability Program

Collision Mitigation to include:

• lane-departure warnings

• speeding alerts

• automatic braking when stationary vehicles are

detected in the vehicle's path

STEERING: Full power

Tilt steering wheel

SUSPENSION: Front - Taper leaf springs – Rated at 10,000 lbs. – with

shock absorbers

Rear - Air ride – Rated at 21,000 lbs.

If Hydraulic – Spring Suspension – Minimum 19,800 lbs.

TIRES: Steel belted radials with all-season tread; 11R-225G

(Minimum 15/32 tread center)

All wheels must be painted black. Loose-Wheel Nut

Indicators Must be Included.

TRANSMISSION: Automatic 5-speed with overdrive

TOW HOOKS: Front and rear, mounted on the frame

UNDERCOATING: Full undercoating

WARRANTY: Full manufacturer warranty

WIPERS: Two speed with intermittent control

WIRING: Color-coded

BODY REQUIREMENTS:

AUXILIARY FANS: Two (2) six-inch fans mounted top dead center over the

windshield controlled by a two-speed switch. One fan to face left and one fan to face right, or equivalent cooling

capacity.

BODY SOLENOID: Wired through dash for all body circuits

BARRIER PANELS: Both left and right sides of the vehicle

Right side to include modesty panel on the entrance door

side

Left side spaced to provide a minimum of 6-14 inches ofdeflection from the transition panel behind the driver and allow seat spacing that will allow seat backs near the window emergency exit to line up with the window frames and not block the exit window.

CONTROL PANEL: Controls for 8-way school warning lights and student entry

door must be located in the driver's field of vision while loading students. Not above driver eye level in a seated

position

Must be back-lit with push-pull or rocker switches

Must provide easy access for repair

DIRECTIONALS: Side – LED SAE armored

Rear – LED Amber

EMERGENCY DOOR: Shall include a locking retainer to hold the door in the open

position

Must include an emergency buzzer

Must include audible device equal to or exceeding "C.R.S." (Child Reminder System) or "Child Check Mate System" that must be disengaged by the driver before leaving the

vehicle

Shall include a vandal lock wired to disable the ignition

when the door is locked

EMERGENCY WINDOWS: Push-out windows with vertical hinges shall be provided.

Wired with emergency buzzers

Must be in compliance with FMVSS 217 Shall not be located over the stop arm

EMERGENCY ROOF: Two TRANSPEC or SPECIALTY roof hatches located in

accordance with FMVSS 217. Must be wired with abuzzer

ENTRANCE DOOR: Outward opening, air-controlled or electric (not manual)

ENTRANCE DOOR HANDRAIL AND

CONTROL ROD: Must meet drawstring test

FLOOR: Plywood sub-floor, 5/8 inch marine or exterior grade

plywood

Rubber ribbed aisle

Smooth rubber under steps

Must be at a single level from top entrance step to therear

exit door of school bus

HEADLINING: Full-length acoustic headlining

HEADER PADS: Located over the entrance, emergency, and left doors

Behind driver in the head impact zone

HEADROOM: Minimum 74" as measured over plywood and floor

covering in the passenger aisle between seats

HEATER (FRONT): 50,000 BTU, with defroster and without rear heat duct

HEATER (REAR): **80,000 BTU**

HEATER (STEPWELL): 50,000 BTU stepwell heater

HEATER HOSES: All hoses to be shielded

INSULATION: Complete insulation including roof bows, minimum 1 ½ "

with R value of 5.75

Insulated driver's area with firewall

INTERIOR SIDE PANELS: Aluminized mar proof

JOINT STRENGTH: Must meet FMVSS 221 joint strength requirements

BODY REQUIREMENTS (cont.)

LETTERING: Complete school bus lettering and numbers to include:

Full Massachusetts "Unlawful to pass..."

4" high "Worcester Public Schools" on both sides of the

body

WPS vehicle identification numbers (5" high) to be displayed on sides of the left and right front fenders, on the front hood above, left headlight and rear body on the

opposite side from license plate mount

All applicable federal and state requirements

LIGHTS (INTERIOR): Interior dome lights shall be located over the aisle or

on each side

The Interior driver's dome shall have a separate switch A red light shall be located over the rear emergency door

and be wired with the clearance lights

LIGHTS (SCHOOL

WARNING): 8-way STROBE or incandescent school bus warning

system with individual black hoods

LIGHTS (EXTERIOR) Stop, tail, and backup lights to be LED (All exterior lights

to be LED with the exception of the headlights and warning

lights)

MIRRORS (INTERIOR): 6" by 16" mirror located over driver

MIRRORS (EXTERIOR): Side and cross-view mirrors with black frames, side mirrors

All mirrors shall be heated

MONITOR BOARD: Monitor board for school lamps. See "CONTROL

PANEL" specification for location.

MUD FLAPS: Front and rear

REFLECTIVE MARKINGS: * 3M diamond grade tape required for reflective markings:

Around each emergency exit including hatches and

windows.

The length of the bus at seat level The outline of the rear of the bus

"SCHOOL BUS" signs on front and rear

Reflex brand tape may be offered as an alternative.

However, since we are requiring a specific minimum grade for the 3M brand, it must be the highest grade of Reflexite available at the timeof the bid award that will have the greatest warranty, candlepower, and other reflective

features.

BODY REQUIREMENTS (cont.)

RUB RAILS: Four, 16-gauge steel painted black

Located: beneath windows, at seat level, at floor line, at

bottom of body skirt

SAFETY EQUIPMENT: Secured chock blocks

Fire extinguisher, Massachusetts spec., mounted

Reflective triangles mounted in red box accessible from the

rear emergency door

Mounted First Aid kit and body fluid cleanup kit Mounted seat belt cutter (must be within easy reach of

driver)

Mounted fire blanket (per Appendix A)

SEATING: Passenger capacity 71–78

39" except for one 26" seat at the rear of the seating

compartment.

Must meet seat spacing requirements for large buses (compartmentalization) – at least the first two seats must provide maximum seat spacing allowed in FMVSS 222 Seat covering must be made of fire-retardant material

SHOULDER PADS: Must be provided below the interior of side windows and

run the length of the seating area

SPEAKERS: Rear radio speaker to be provided toward the center of the

vehicle

STATIC VENTILATION: One static non-closing ventilator must be in the first section

STEPWELL: 2-step stepwell with white rubber wear plate at the top.

The bottom step must be fully enclosed by the entrance

door

Flooring in student seating compartment must be levelwith the

top step

STEPWELL LIGHT: Must come on when the door is opened and clearance lights

are on

BODY REQUIREMENTS (cont.)

STOP ARM: Air or electric controlled - A high intensity 3M reflective

background stop arm with LED strobe lights or flashing

incandescent shall be wired with school lamps

Stop arm shall not be located below an emergency push-out

window

STORAGE

COMPARTMENT: For driver's personal property, must be located convenient

to the driver

UNDERHOOD

SHUTOFF VALVES: Dual under hood hot water shutoff valves

WINDOWS (PASSENGER): 9" or 12" split sash windows with 9" stops

WIRING: Color-coded and numbered wiring with access from inside

the bus.

Access must be provided without the use of tools

NOTES: All vehicles as supplied must meet all Massachusetts school bus regulations and Registry of Motor Vehicles inspections.

All paperwork required for vehicle registration must be delivered with the vehicles.

WARRANTY REQUIREMENTS:

WARRANTY: All vehicle components must have a full manufacturer

warranty.

ADDITIONAL EQUIPMENT:

Installed OnSpot automatic ice chain system

Installed Catalytic Converter Theft Prevention device equipped with a physical lock and sonic lock - eg CatStrap and CatEve

Installed and programmed, complete model DVR-906M3-128 HD four-camera video systems with HD wide-angle mini-dome camera option plus DVR813 forward-facing camera, supplied by Pro-Vision VideoSystems, conforming to and compatible with the existing systems installed in current WPS- owned schoolbuses, and one (1) additional solid-state Secure Digital Extended Capacity (SDXC) Card with a capacity up to 128GB for each vehicle delivered. One (1) ECB Bundle for one (1) year must be included per vehicle delivered. Location of all equipment for the video system subject to the approval of the Worcester Public Schools. (4 cameras and 1 DVR per bus).

Installed, brackets, and programmed tablets matching Tyler Technologies hardware currently installed on Worcester Public Schools school buses to allow for direct communication between Worcester Public Schools school bus operations office(s) and vehicles of various Tyler Technologies software products and modules owned and/or licensed to and operated by Worcester Public Schools, for each vehicle delivered. Location of all brackets subject to the approval of the Worcester Public Schools.

Worcester Public Schools reserves the right to install/mount additional equipment in the vehicle at itsown expense.

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