

# Waterford School District

## INVITATION TO BID

March 6, 2025

The Waterford School District will accept sealed bids for **2025 Leased Buses** as described in the attached specifications.

Waterford School District has partnered with BidNetDirect as part of the MITN Purchasing Group to post bid opportunities to this site. As a vendor, you can register with the MITN Purchasing Group and be sure that you see all available bids and opportunities. By selecting automatic bid notification, your company will receive emails once Waterford School District has a bid opportunity that matches your company's business. In addition, the site handles bid opportunities, RFPs, and RFQs for other member governmental agencies throughout Michigan.

Waterford School District looks forward to providing you with more bid information and simplifying the entire bid, proposal, and quote processes for everyone involved. We appreciate your cooperation and welcome your participation. If you need help registering, please call the MITN Purchasing Group support department toll free 1-800-835-4603 option #2.

Bids are to be submitted no later than **2:00 PM Tuesday, March 25th**. Late bids will not be considered. Bids will be publicly opened immediately following the close of receiving bids. No oral, e-mail, telephonic or telegraphic, or mailed proposals shall be considered.

The Board of Education reserves the right to accept or reject any or all bids in whole or in part; or, for reasons of establishing uniformity, delivery time or preference, to award the contract to other than the low bidder.

The contents of the Bid Specification and Bidder's Response shall be incorporated into the contract, if a contract ensues.

In compliance with MCL 380.1267, a sworn and notarized statement disclosing any familial relationships that exist between the owner, or any employee of the bidder, and any member of the Waterford School District's Board or the Superintendent must be included with the bid. Bids without a sworn and notarized disclosure statement will not be accepted.

All bids shall be firm for at least sixty (60) days from the date of opening of bids. Length of time required for completion shall be specified in the bid. All bids submitted must meet or exceed all specifications herein.

Bids are to be submitted on our Bid Proposal Form, signed by the bidder and submitted electronically on MITN. **Re: Bid – WSD-Trans-Aug 2025 Leased Buses**

Any questions should be referred to Darald Shrider, Mechanic Coordinator at 248.674.7099.

## INSTRUCTIONS TO BIDDERS

### GENERAL CONDITIONS:

#### 1. Proposal/Intent

Furnish buses according to the attached specifications.

The District is intending to **lease** for a thirty-six (36) month period:

Two (2) – 54 passenger with Air Conditioning school bus per indicated specifications. Buses to be Diesel.

Two (2) – 77 passenger school bus per indicated specifications. Buses to be Diesel.

It is the intent of the District to award this bid to one vendor; however, the District reserves the right to award different vendors for each type of vehicle (general education bus, special education bus, and special education bus with wheel chair lifts).

Manufacturers' numbers are shown for convenience in identifying items. Manufacturers' description constitutes requirements for each such item or component.

Use of Manufacturers' numbers and other requirements set forth in Specifications are not intended to preclude use of any other approved manufacturer's products or procedures which may be equivalent, solely as determined by the District, but are given for the purpose of establishing standards for design, function and quality of materials, construction and workmanship.

#### 2. Types of Proposals

Unit pricing by bus type per specifications. The vendor should include with their bid a list of all options on the bus, for each type, with the option's price. The total of this list should equal the unit price in the Bid Form.

#### 3. Receipt of Bids

Bids will be received and opened electronically on MITN BidNetDirect at **2:00 PM on Tuesday, March 25, 2025**. Late bids will not be accepted. No oral, e-mail, telephonic or telegraphic, or mailed proposals shall be considered.

4. Bidders' Qualifications

**Bidders and lease providers** shall be able to demonstrate the following:

Shall be a reputable, recognized organization with at least five (5) years successful experience on work of this type and scope, of equal or better quality than this project.

5. Warranty/ Repair Facilities

**The District requests a “Bumper to Bumper” warranty for the life of the lease.**

The vendor warrants that all labor and equipment provided on each bus, whether installed initially or under subsequent Purchase Orders, shall be newly manufactured equipment or assembled from newly manufactured parts. The vendor further warrants that each bus will be free from defects in workmanship and material in accordance with the manufacturer’s standard warranty from the date of delivery.

Vendor shall include with the bid the warranty materials of all engine and body warranties included in the bid, in hard copy and on disk. For the items bid, each vendor shall include pricing and documentation of what warranties are offered and what they cover.

All vendors must have an inside repair facility within the boundaries of the State of Michigan.

6. Lease Terms

Leases shall be municipal leases of thirty-six (36) months with unlimited mileage option. Submitted bids shall include lease-end purchase option for the school district.

7. Delivery

**DELIVERY MUST BE RECEIVED BETWEEN AUGUST 1<sup>ST</sup> AND 13<sup>TH</sup> 2025 AND NOT BEFORE AUGUST 1, 2025. CURRENT LEASES EXPIRE JULY 31, 2025 AND NEW LEASES MUST BE IN THE 2025-2026 SCHOOL YEAR BUDGET.**

Indicate delivery date on the Bid Response Form.

Bus prices must be Freight on Board (FOB) the District.

Buses will be inspected and approved by WSD Transportation Services personnel prior to acceptance and approval for payment.

8. Taxes

The District is exempt from all State and Federal taxes. An exemption certificate will be provided upon request. Do not include any taxes in the bid prices.

9. Submittal of Bid

Before submitting a bid, bidders shall carefully read all of the specifications in order to avoid omission or duplications. No claims for additional compensation will be considered or paid to the successful bidder, due to said successful bidder's failure to be so informed.

10. Familial Relationship

All bidders must provide familial disclosure in compliance with MCL 380.1267 and attach this information to the bid. The bid shall be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the Board or the Superintendent of the school district. The District shall not accept a bid that does not include this sworn and notarized disclosure statement.

11. Certificate of Compliance Iran Sanctions

The authorized officer of the company hereby certifies, represents, and warrants that anyone within the company is not an "Iran Linked Business" within the meaning of the Iran Economic Sanctions Act Michigan Public Act No. 517 of 2012.

12. Withdrawal of Bids

Any bidder may withdraw his bid at any time prior to the scheduled time for receipt of bids. No proposals may be withdrawn for at least sixty (60) days after the scheduled closing time of the bid.

13. Firm Prices

Prices and notations must be typed or in ink. No erasures are permitted. Mistakes may be crossed out and corrections entered and initialed, in ink, by the person signing the proposal.

In the event of discrepancy between the unit price and the extension, the UNIT PRICE SHALL GOVERN. The price inserted must be net including all freight, discounts, rebates, and allowances.

14. General Conditions

The District reserves the right to accept or reject any or all proposals, to waive irregularities, and to accept a proposal which, in the District's opinion, is in the District's best interest.

Negligence in preparation, improper preparation, errors in, or omissions from, proposal shall not relieve a bidder from fulfillment of any and all obligations and requirements of the proposed Contract Documents.

No responsibility shall attach to the District, or the authorized representatives of the District, for the premature opening of any proposal, which is not properly addressed and identified.

The Contract Documents, as outlined in the executed Agreement, shall imply the inclusion of the entire agreement between the parties thereto, and the Contractor shall not claim any modification thereof resulting from any representation or promise made at any time by an officer, agent or employee of the District or by any other person.

15. Opening and Awarding of Bids

Bids will be opened electronically on MITN at **2:00 PM TUESDAY, March 25, 2025**. The tally sheet of the bidders' responses will be available online at MITN approximately seven days after the opening of the bid.

It is anticipated that a recommendation for award, if necessary, will be submitted to the Board of Education at the regular **Board of Education Meeting to be held on April 17, 2025**.

**BID PROPOSAL FORM – Pg.1**

The undersigned certifies that the bid contained meets or exceeds the attached specifications.

Backup, detailing all the options, with the price of each option, for each bus type bid must be included with bid documents.

**BASE BID**

Bus Type	Estimated Delivery Date	Annual Per Unit Lease Unlimited Miles (Specified)	Annual Per Unit Lease 12,000 Miles	Stock Vehicle
Two (2) – 54 passenger with Air Conditioning school bus per indicated specifications. Buses to be Diesel.				
Two (2) – 77 passenger school bus per indicated specifications. Buses to be Diesel.				

Did you include your warranty information?      Yes  No

Familial Relationship affidavit included?      Yes  No

Certificate of Compliance included?      Yes  No

**BID PROPOSAL FORM – Pg.2**

**TRADE REFERENCES - THREE (3) REQUIRED**

- 1. Company: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_
- 2. Company: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_
- 3. Company: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_

\_\_\_\_\_  
**COMPANY NAME (BIDDER)**

\_\_\_\_\_  
**ADDRESS**

\_\_\_\_\_  
**PHONE**

\_\_\_\_\_  
**FAX**

\_\_\_\_\_  
**EMAIL**

\_\_\_\_\_  
**AUTHORIZED NAME (print)**

\_\_\_\_\_  
**AUTHORIZED SIGNATURE**

\_\_\_\_\_  
**TITLE**

\_\_\_\_\_  
**DATE**

**BID PROPOSAL FORM – Pg.3**

**DISCLOSURE STATEMENT – FAMILIAL RELATIONSHIP**

Pursuant to MCL 380.1267, a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the Waterford School District School Board or the Waterford School District Superintendent must be accompanied with the bid. **Bids without this disclosure statement will not be accepted.**

Waterford School District Board Members:

The members of the Waterford School District School Board are: Kristin Wagner, John Paul Torres, Michael Ristich, Patrick Donohue, Elizabeth McGregor, Robert Petrusa, Jr., and Kim Soncrainte.

The Waterford School District Interim Superintendent is: Lisa Eldredge

The following are the familial relationships:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

There are no familial relationships.

**STATE OF MICHIGAN**

**COUNTY OF \_\_\_\_\_**

**I do hereby acknowledge that the Bidder has read the foregoing disclosure statement and that the statements herein contained are true.**

**Bidder** \_\_\_\_\_  
Company

\_\_\_\_\_  
Signature/Authorized Representative

\_\_\_\_\_  
Name/Authorized Representative (print)

\_\_\_\_\_  
Title/Authorized Representative (print)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

Notary Public, \_\_\_\_\_ County, Michigan

My commission expires: \_\_\_\_/\_\_\_\_/\_\_\_\_\_.



**WATERFORD SCHOOL DISTRICT**  
**Lease Diesel**  
**2025-2026 BUS CHASSIS and BODY SPECIFICATION**  
**54 PASSENGERS CONVENTIONAL with Air Conditioning**

The following represents the minimal specification that will be accepted by Waterford Schools for a complete 54 passenger school bus.

The body and chassis must be current model and production, first line quality and meet all Michigan Standards and National Minimum Standards as published in the most recent literature entitled Recommended Minimum Standards for School Bus bodies. These standards have precedence over specifications described herein or on attached sheets should any difference be inadvertently included. All transportation costs shall be included with Bus Bid Pricing. The manufacturer or his agent shall include a letter detailing scheduling and production procedures and furnish us with a maximum time for delivery. All vehicles shall pass Michigan State Police Inspection prior to delivery to School District from dealer.

**FRAMES**

TOW HOOK, Front (2) and rear (2) Frame Mounted  
 FRAME RAILS mild Carbon Steel (120,000 PSI Steel);  
 BUMPER, FRONT Steel, full width, Aerodynamic Heavy Duty .250 Material  
 Thickness

**FRONT AXLES**

AXLE, Front, I-Beam Type 10,000 lb. Capacity Minimum  
 \***With Oil Bath Bearings and Caps**

**SPRINGS/ Rear axle**

SUSPENSION, REAR, Air ride, Single axle 21,000 lb. Capacity, IROS  
 Suspension 5.56 ratio

**BRAKES**

Bendix brake system Air Dual System  
 ABS (Anti-Lock Brakes) – To include stability & traction control  
 BRAKES, FRONT, AIR CAM S-Cam; 15.0 X 4.0; Includes 16 Sq. In Brake  
 Chambers  
 BRAKES, REAR, AIR CAM S-CAM; 16.5 X 7.0; Includes 30 Sq. In Anchor  
 Lock Spring Actuated Parking Brake Chambers  
 AIR DRYER with Heater, (*Bendix AD-IP*) Standard Location  
 AIR COMPRESSOR 18.7 CFM Cummins, DV2

**STEERING**

Adjustable Steering Column  
 Global steering wheel with integrated controls

**EXHAUST SYSTEMS**

Exhaust System single, Horizontal Muffler and Long Tail Pipe, Aluminized Steel; Frame Mounted

**ELECTRICAL SYSTEMS**

ELECTRICAL SYSTEM 12 VOLT, STANDARD EQUIPMENT

HORN electric (2)

CIRCUIT BREAKERS Manual Reset (Main Panel) SAE Type II Replaces all fuses except Instrument Cluster Feed

ALTERNATOR 12 Volt 240 AMP minimum capacity – Leece Nevell

AMMETER 150 AMP; Mounted in cluster

BATTERY SYSTEM (3) -31 Series min. 950 cold crank

TURN SIGNALS< Front Dual Face, Amber/Amber, Mounted on top of Fender, Used with Standard Flush Mounted Front Turn Signals, Side Marker Lamps, Parking Lights LED and Reflectors

**To be equipped GPS system.**

ID number to be provided to Waterford School District

HEADLIGHTS LED Headlights with 100% Daytime Running Lights

**FRONT END**

Front End Tilting, Fiberglass

**ENGINES accepting bid on Diesel**

Diesel 240 HP 560 lb. ft. of torque minimum diesel governed, and to meet federal emission for 2021 Engines

Electronic hand throttle

BLOCK Heater, Engine 120 Volt/1250 Watt (Phillips) All weather proof with 14-3 minimum wire.

**BLOCK HEATER SOCKET RELOCATED TO REAR BUMPER**

**TRANSMISSION**

TRANSMISSION, AUTOMATIC, with serviceable transmission Oil Filter

**FUEL TANKS**

FUEL TANK Rectangular Steel, 60 US Gal minimum with Protective Cage located at the rear of the bus

**TIRES**

Front – 11R22.5 Steering

Rear – 11R22.5 Mud and snow

WHEELS HUB MOUNT DISK WHEEL 22.5x8.25 wheels, 10 Hole METRIC

BOLT PAINTED STEEL 7.50 DC RIMS

**VEHICLE INTERIOR**

**Drivers Area**

**1. Battery Cut-Off Switch:** Ignition key operated battery cut-off switch shall be designed to turn off all electrical systems with the exception of the four (4)-way hazard lights, headlights, tail lights, and marker or clearance lights. These systems shall be switched independently.

**2. Defroster Fans:** There shall be two 6 inch electric defroster fans with two-speed switches supplied. Location may be specified by each District. Mounting locations must be reinforced, wires to be covered.

**3. Driver's Seat:** Vehicles shall be equipped with a fully 6-way adjustable driver's seat with retractable seat belt which will keep the seat belt from reaching floor when not in use. Driver must be able to adjust the seat without leaving the seat. The seat must be independently adjustable for vertical, horizontal, and back tilt positions, air pedestal. Driver's seat belt shall be 24 inches longer than normal for adjustability.

**4. Glass:** A second glass shall be located in the lower portion of the emergency door. Windshield: Windshield to be safety glass with "shaded" top. No thermo windows.

**5. Heaters:** The fresh air left front heater and defroster shall have a 90,000 BTU, or greater output. The fresh air right front heater and defroster shall have a 50,000 BTU, or greater output. Heater hose to be four (4) ply, heavy-duty rubber and/or neoprene. Heater hoses must be covered inside the bus to protect driver and passengers against burns caused by hose failures. A Hot water 84,000 BTU air circulation rear floor heater is to be furnished and mounted at the tenth (10th) seat from left front. All heater hoses Gates blue stripe shall be equipped with brass gate type "shutoff" valves located at the engine. Cores shall be supplied and installed. All cores shall be filtered with aluminum filters easily serviced. Heater hoses shall be located as to not to interfere with service repairs to engine. Stainless steel manifold piping, 12V auxiliary pump to aide in circulation with driver controlled/lighted switch.

**6. Radio/Speaker:** AM/FM Radio, with clock and four (4) speakers installed in compliance with Michigan Standards.

**7. Video recorder system as follows:**

**REI HD6-1200w-5-500 HDD**

4 Minibox interior cameras; 1 stop arm camera; 1 Wi-Fi/GPS module; 1 diagnostic button; 1 sensor harness One cameras one front facing rearward, one in rear facing forward and one in middle of the bus. Cameras able to record in both day and night lighting with three microphones in system. A fourth camera to be mounted in the stop arm area. Operating temperature range of 0 to 105 degrees F. Completely shocked mounted and installed\* per state police standards.

Unity School Bus Parts is the preferred installer

**8. Child Reminder System:** Electronic child reminder system installed.

**9. DIGITAL MOBILE RADIO**

H-Series DMR Mobile Radio should include the following features:

TDMA format - (2 time slots for 2 conversations at the same time)

Mixed Mode – able to work with existing analog radios and talk with digital radios

Trunking – ability to find open channel to allow more than 2 conversations

Text messaging with large multi-color LCD display

GPS – send location, speed and vehicle parameters

Emergency alert – driver can alert dispatch of emergency situation covertly

Versatile Voice Groups – communicate with everyone, one on one or with select subgroups

High Power – 45 watts Loud volume – 10 watts

IP54 and MIL-STD-810 G compliant

Hardware to include:

Heavy duty microphone

Auto on/ delay off cabling

Mounting bracket

DC power cable

Mic clip

Emi Electrocomm the preferred installer

**10. GAUGE CLUSTER:** English with English Electronic Speedometer and with Tachometer gauges for Air Brake, Engine oil pressure, water temp, fuel amp meter and voltmeter.

**EXTERIOR EQUIPMENT**

**1. Battery Box:** Battery Box is to be mounted at the rear of driver's seat on body frame. Batteries shall be mounted on an easily movable slide out tray.

Box must be enclosed on bottom, both ends and both sides: welded to the body frame and in addition, secured by four (4) 3/8 inch bolts with lock washers.

The rectangular angle frame, which fits around the top of the battery, shall be of sufficient strength and design to equalize the pressure throughout the entire top of the battery. The battery hold-down shall be fastened to a slide out tray with 3/8-inch bolts or larger. All cables shall be #2 cable or heavier. Ground cable to be grounded to frame with 3/8 bolt (minimum). No splicing in positive or negative leads from battery to engine. The battery compartment door shall have a locking device with a recessed handle. The door, hinged from the top,

shall have a hook or catch device to hold the door open. If the door is to be hinged at an edge other than at the top of the door, it shall be specified by the District.

**2. Cowl Seal:** Cowl seal shall be made of rubber and of sufficient width to be anchored by all cowl bolts.

**3. Mirrors:** All exterior mirrors must be heated type and conform to Michigan standards and be mounted according to District specifications. Total of 4 (four) 7-1/2" or 8" convex mirrors to permit localized left front, shall be mounted on right front bracket. No Bus Boy style.

**4. Service Steps:** Two (2), folding cowl service steps with "non-slip" surface shall be mounted on each side of the vehicle body. Four (4) six inch grab handles shall be supplied; two mounted below the windshield on cowl, 12 inches from outer corner of the windshield, (one on each side) and two (2) shall be located on the corner posts. Service steps shall be 3 X 5 inches – 15 square inches.

**5. Windshield Washers:** The vehicle shall be equipped with two windshield washers with a heavy duty electric motor and with a reservoir of 70 ounces with dashboard mounted switch.

**6. Windshield Wipers:** The body shall be equipped with two 2-speed electrically driven and intermittent controlled windshield wipers with heavy duty motors.

**7. Emergency Exit:** Interior handle guard to be center reinforced.

**8. Tow Hooks:** The body shall be equipped with two tow hooks front and rear bolted with 3/4 inch diameter bolts and adequately welded on #7 gauge steel or heavier cross member connecting the chassis rails. They shall be mounted in a position so that bumper damage will not occur when towing. Hook mounting shall be adequate to support weight of bus and reenforced to prevent breaking or bending.

**9. Electrical Wiring:** All electrical wiring is to be inside the body wall channel and readily accessible (without removal of other equipment) through movable panels in the interior of the bus and all harnesses and wires shall be protected from raw metal openings in the wall support structures. In addition to a permanently affixed color-coded wiring diagram, a separate, color-coded wiring diagram must be provided. All wiring to be lock type connectors.

**10. Roof Hatch/Vent:** 1 Transpec dual-purpose roof hatch model #DMA-1122 installed in roof over rear axle (see item #8 – lighting interior exterior).

## **LIGHTING: INTERIOR, EXTERIOR**

**1. Alternating Flasher Control:** Alternating flasher control shall be flashing one inch diameter pilot light located in front of the driver on the instrument

panel. The control unit shall not be the type which allows the lights to flash to a simultaneous phase. To include 8 lamp flasher system. Page of 8 6

**2. Alternating Flasher Switch:** Alternating flasher switch shall be distinctively mounted in a position separated from other switches for easy location and manual operation by the driver. The switch shall be located to the left of the driver in his control position.

**3. Warning Light Monitor Board:** Monitor must be mounted and easily viewed by the driver. All-light LED light monitor, can be integrated into driver's display.

**4. Back-Up Lights:** There shall be two back-up lights with a minimum size of 7 inches in diameter that are automatically actuated when the vehicle is in reverse gear.

**5. All exterior lights to be the LED type lights**

**6. Clearance Lights:** Clearance light shall be "PIN type LED". "Armored Guard" to protect front side of lens.

**7. Interior Lights:** \* ALL Interior Lights to be ALL LED type. \* There shall be nine (9) interior lights as follows:

A. Six (6) passenger compartment dome lights shall have (2) switches in driver compartment. One (1) switch shall be wired to control the front four dome lights and one switch shall be wired to control the rear two

B. There shall be one separately switched dome light for the driver area.

Option: dome light for driver area may be wired independently of ignition switch.

**8. Stop Lights LED type:** There shall be (2) two, seven inch stop lights and tail lights, to work in conjunction with the now existing two, four inch stop and tail lights. These additional lights shall be located as near existing directional lights as possible in a horizontal line. All seveninch diameter tail and stop light lenses shall be from one manufacturer identical in design and shape.

**9. Strobe Light LED type:** Furnish and install one (1) per unit a (white) with lighted switch on control panel. Strobe to be mounted to the rear of Transpec roof hatch and in compliance with state standards.

10. Furnish and install one (1) electric swing arm stop sign with LED lights, to include vendor installed camera per governmental safety regulations.

11. Furnish and install back-up alarm that is activated when vehicle is placed in reverse. (See government regulations).

## **PROTECTION AND FINISHING**

**1. Insulation:** Inside the panels shall be spray coat of mastic with an additional one inch blanket of mineral type sheathing in sides, rear and roof and fill all cavities.

**2. Mud Flaps:** There shall be four (4) mud flaps made of cord base, 5/16 inch rubber, supplied with a steel reinforced mounting edge. Each mud flap will be mounted with a minimum of (4) four bolts directly behind the wheels.

**3. Painting and Lettering:** Painting and lettering shall conform to standards most recently established by Michigan State Highway Commission which must conform to US Department of Transportation's Standard #17. Page of 8 7

**4. Contact Darald Shrider @ WSD Transportation Department at (248)**

**674-2692 for vehicle numbering.** The year number should denote the title year of the bus all numbering would be bus number – titled year

In conjunction with Oakland County Sheriff Department, bus will be numbered on the roof. If bus number is #78- and titled year is 25 roof numbering would be WF-78-25, replacing #78, #82.

**5. Undercoating:** Body panels will be undercoated to prevent corrosion. It shall be spray type for the floor, wheel housing and side panels below floor level. All exposed metal or underside must be covered. Inner body panels shall also be covered to prevent rust. Documentation of rust proofing/undercoating will be provided at delivery.

**6. Body Mounting Pads:** Body mounting pads shall be of cord based rubber, ½ inch or greater in thickness and full width of the widest contact member. They must be installed at every body “hold down” location.

**7. Warranty Procedure:** If paint or mechanical problems occur, a mutually agreeable solution shall be reached by the District representative and manufacturer's representative.

**8. Bumpers:** will be of the heaviest duty offered, a minimum of ½ inch thick and 8 inches wide and wrapping around end of bus to meet body panels (rear). There will be no open holes or spaces where a hand or fingers could fit. A. Both bumpers will meet State and Federal Guidelines and will be sufficient to withstand minimal collision damage and support vehicle while towing without damage. B. Rear bumper to have step installed to aide in rear exit / entry of rear emergency door

**9. Service Door:** Outward opening Air Door. Air door control cylinder to be mounted over the door with an access panel to the cylinder, with no exposed parts on the exterior of the bus. Air door to include a two-position switch. No thermo glass. Must have two hand rails to aide students on and off the bus.

**10. Sun Visor:** One (1) Polaroid driver visor (6 in X 30 in minimum with locking lever) shall be supplied, mounting bracket shall permit visor to be lowered to near center of windshield.

**11. Emergency Equipment:** The following items will be located in the driver's area in compliance with Michigan State Police Inspections. All items will be accessible and serviceable.

- A. Fire Extinguisher:** One (1) fire extinguisher showing a rating of not less than 2A 10DC (dry chemical) with a metal valve body and shall be clearly marked to indicate that the unit has been approved by Underwriters Laboratories or current State of Federal specifications.
- B. First Aid Kit:** One first aid kit as specified by Michigan Standards.
- C. Triangle Warning Devices:** Three (3) SAE-W-472 DOT triangles.
- D. Fuses:** Three (3) red 20 minute fuses in canister.
- E. Seat Belt Cutter:** (required for child restraint seats).

### **PASSENGER AREA**

- 1. SEATS:** All passenger seats to have seats built in child safety seats, two (2) per seat. Capacity 48 - To include (16) 39" Restraining Seats with (3) Lap Belts and with integrated child safety seats, two (2) per seat.
- 2. Shoulder padding installed full length of bus interior both sides of bus.
- 3. Side Windows:** All side windows shall be "double-hung". All side windows are to be tinted for sun shading and heat deflection.
- 4. Floor Covering:** Floor covering shall be one piece rubber or equivalent.
- 5. Bus to have installed Air Condition unit, single compressor system with minimum of 70,000 BTU's with driver's air conditioning – tie in to OEM Chassis A/C.
- 6. Driver's compartment covering shall be smooth surfaced 1/8 inch thick material.
- 7. Aisle covering shall be ribbed 3/16-inch thick material and shall be one continuous sheet from the rear of bus to step well. The step well and aisle covering shall be jointed as a 45-degree angle so as to permit easy cleaning. There shall not be any metal strip(s) across step or aisle covering.
- 8. Plywood Floor:** Complete plywood flooring.
- 9. Access door to fuel tank sending unit through floor, permitting removal of same.

### **Warranty / MANUALS**

**Manufacture to provide towing and Bumper to Bumper parts/labor warranty to Waterford Schools for the life of the lease**

**\*\*\*Requesting quote for an unlimited mile lease\*\*\***

All guarantee/warranties to commence on date of delivery to district.

**TO BE PROVIDED AT TIME OF DELIVERY to WATERFORD BUS GARAGE**

One (1) Chassis and One (1) Body parts manual per order will be provided at the time of delivery and/or access to Online Manuals at no additional cost

One (1) Line Set Ticket shall be provided for each bus

Access to web-based Bill of Materials to include Chassis and Body parts documentation and wiring schematics.

Delivery of buses shall be to the Waterford Bus Garage, Waterford Michigan. All vehicles will be subject to inspection before delivery sign off.

**WATERFORD SCHOOL DISTRICT**  
**Lease Diesel**  
**2025-2026 BUS CHASSIS and BODY SPECIFICATION**  
**77 PASSENGER CONVENTIONAL**

The following represents the minimal specification that will be accepted by Waterford Schools for a complete 77 passenger school bus.

The body and chassis must be current model and production, first line quality and meet all Michigan Standards and National Minimum Standards as published in the most recent literature entitled Recommended Minimum Standards for School Bus bodies. These standards have precedence over specifications described herein or on attached sheets should any difference be inadvertently included. All transportation costs shall be included with Bus Bid Pricing. The manufacturer or his agent shall include a letter detailing scheduling and production procedures and furnish us with a maximum time for delivery. All vehicles shall pass Michigan State Police Inspection prior to delivery to School District from dealer.

**FRAMES**

TOW HOOK, Front (2) and rear (2) Frame Mounted  
 FRAME RAILS mild Carbon Steel (120, 000 PSI Steel);  
 BUMPER, FRONT Steel, full width, Aerodynamic Heavy Duty .250 Material Thickness

**FRONT AXLES**

AXLE, Front, I-Beam Type 10,000 lb. Capacity Minimum  
 \*With Oil Bath Bearings and Caps

**SPRINGS/ Rear axle**

SUSPENSION, REAR, Air ride, Single axle 21,000 lb. Capacity, IROS Suspension 5.56 ratio

**BRAKES**

BRAKE SYSTEM Air Dual System  
 ABS (Anti-Lock Brakes) – To include stability & traction control  
 BRAKES, FRONT, AIR CAM S-Cam; 15.0 X 4.0; Includes 16 Sq. In Brake Chambers  
 BRAKES, REAR, AIR CAM S-CAM; 16.5 X 7.0; Includes 30 Sq. In Anchor Lock Spring  
 Actuated Parking Brake Chambers  
 AIR DRYER with Heater, (**Bendix AD-IP**) Standard Location  
 AIR COMPRESSOR 18.7 CFM Cummins, DV2

**STEERING**

Adjustable Steering Column Tilting, Global steering wheel with integrated controls

**EXHAUST SYSTEMS**

Exhaust System single, Horizontal Muffler and Long Tail Pipe, Aluminized Steel; Frame Mounted

**ELECTRICAL SYSTEMS**

ELECTRICAL SYSTEM 12 VOLTS, STANDARD EQUIPMENT  
 HORN electric (2)  
 CIRCUIT BREAKERS Manual Reset (Main Panel) SAE Type II Replaces all fuses except Instrument Cluster Feed  
 ALTERNATOR 12 Volts 240 AMP minimum capacity – Leece Nevell  
 AMMETER 150 AMP; Mounted in cluster  
 BATTERY SYSTEM (3) - 31 Series min. 950 cold crank

TURN SIGNALS< Front Dual Face, Amber/Amber, Mounted on top of Fender, Used with Standard Flush Mounted Front Turn Signals, (LED) Side Marker Lamps, Parking Lights and Reflectors

**To be equipped with GPS system.**

ID number to be provided to Waterford School District

HEADLIGHTS – LED Headlights with 100% Daytime Running Lights

**FRONT END**

Front End Tilting, Fiberglass

**ENGINES accepting bids on Diesel**

Diesel 240 HP 560 lb. ft. of torque minimum diesel governed, and to meet federal emission

Electronic hand throttle

BLOCK Heater, Engine 120 Volt/750 Watt minimum (Phillips) All weather proof with 14-3 minimum wire.

**BLOCK HEATER SOCKET RELOCATED TO REAR BUMPER**

Electronic hand throttle

**TRANSMISSION**

TRANSMISSION, AUTOMATIC, with serviceable transmission oil filter

**TIRES**

Steering Tires 10R 22.5 Drive Tires 10R22.5 Mud and snow

**WHEELS**

HUB MOUNT DISK WHEEL 22.5, 10 Hole METRIC BOLT PAINTED STEEL 7.50 DC RIMS

**VEHICLE INTERIOR**

**Drivers Area**

**1. Battery Cut-Off Switch:** Ignition key operated battery cut-off switch shall be designed to turn off all electrical systems with the exception of the four (4)-way hazard lights, headlights, tail lights, and marker or clearance lights. These systems shall be switched independently.

**2. Defroster Fans:** There shall be two 6 inch electric defroster fans with two-speed switches supplied. Location may be specified by each District. Mounting locations must be reinforced, wires to be covered.

**3. Driver’s Seat:** Vehicles shall be equipped with a fully 6-way adjustable driver’s seat with retractable seat belt which will keep the seat belt from reaching floor when not in use. Driver must be able to adjust the seat without leaving the seat. The seat must be independently adjustable for vertical, horizontal, and back tilt positions, air pedestal. Driver’s seat belt shall be 24 inches longer than normal for adjustability.

**4. Glass:** A second glass shall be located in the lower portion of the emergency door. Windshield: Windshield to be safety glass with “shaded” top. No thermo windows.

**5. Heaters:** The fresh air left front heater and defroster shall have a 90,000 BTU, or greater output. The fresh air right front heater and defroster shall have a 50,000 BTU, or greater output. Heater hose must be Gates blue. Heater hoses must be covered inside the bus to protect driver and passengers against burns caused by hose failures. A Hot water 80,000 BTU air circulation heater is to be furnished and mounted at the tenth (10th) seat from left front. \*Add mid body heater.\* All heater hoses shall be equipped with brass gate type “shutoff” valves located at the engine. Cores shall be supplied and installed. All cores shall

be filtered with aluminum filters easily serviced. Heater hoses shall be located as to not to interfere with service repairs to engine and should be stainless steel manifold piping. 12V auxiliary pump to aide in circulation with driver controlled/lighted switch.

**6. Radio/Speaker:** AM/FM Radio, with clock and inside PA system and six (6) speakers installed in compliance with Michigan Standards.

**7. Video recorder system as follows:** REI HD5-600 DVR 3 Minibox interior cameras; 1 stop arm camera; 1 Wi-Fi/GPS module; 1 diagnostic button; 1 sensor harness Page of 8 4 One cameras one front facing rearward, one in rear facing forward and one in middle of the bus. Cameras able to record in both day and night lighting with three microphones in system. A fourth camera to be mounted in the stop arm area. Operating temperature range of 0 to 105 degrees F. Completely shocked mounted and installed\* per state police standards.

Unity School Bus Parts is the preferred installer.

**8. Child Reminder System:** Electronic child reminder completely installed.

**9. DIGITAL MOBILE RADIO**

H-Series DMR Mobile Radio should include the following features:

TDMA format - (2 time slots for 2 conversations at the same time)

Mixed Mode – able to work with existing analog radios and talk with digital radios

Trunking – ability to find open channel to allow more than 2 conversations

Text messaging with large multi-color 2.4 LCD display

GPS – send location, speed and vehicle parameters

Emergency alert – driver can alert dispatch of emergency situation covertly

Versatile Voice Groups – communicate with everyone, one on one or with select subgroups

High Power – 45 watts Loud volume – 10 watts

IP54 and MIL-STD-810 G compliant

Hardware to include:

Heavy duty microphone

Auto on/ delay off cabling

Mounting bracket

DC power cable

Mic clip

Emi Electrocomm the preferred installer

**10. GAUGE CLUSTER:** English with English Electronic Speedometer and with Tachometer gauges for Air Brake, Engine oil pressure, water temp, fuel amp meter and voltmeter.

**EXTERIOR EQUIPMENT**

**1. Battery Box:** Battery Box is to be mounted at the rear of driver's seat on body frame. Batteries shall be mounted on an easily movable slide out tray. Box must be enclosed on bottom, both ends and both sides: welded to the body frame and in addition, secured by four (4) 3/8 inch bolts with lock washers. The rectangular angle frame, which fits around the top of the battery, shall be of sufficient strength and design to equalize the pressure throughout the entire top of the battery. The battery hold-down shall be fastened to a slide out tray with 3/8-inch bolts or larger. All cables shall be #2 cable or heavier. Ground cable to be grounded to frame with 3/8 bolt (minimum). No splicing in positive or negative leads from battery to engine. The battery compartment door shall have a locking device with a recessed handle. The door, hinged from the top, shall have a hook or catch device to hold the door open. If the door is to be hinged at an edge other than at the top of the door, it shall be specified by the District.

**2. Cowl Seal:** Cowl seal shall be made of rubber and of sufficient width to be anchored by all cowl bolts.

**3. Mirrors:** Heated Mirrors must conform to Michigan standards and be mounted according to District specifications. Total of 4 (four) 7-1/2" or 8" convex mirrors to permit localized left front, shall be mounted on right front bracket. No Bus Boy style.

**4. Service Steps:** Two (2), folding cowl service steps with "non-slip" surface shall be mounted on each side of the vehicle body. Four (4) six inch grab handles shall be supplied; two mounted below the windshield on cowl, 12 inches from outer corner of the windshield, (one on each side) and two (2) shall be located on the corner posts. Service steps shall be 3 X 5 inches – 15 square inches.

**5. Windshield Washers:** The vehicle shall be equipped with two windshield washers with a heavy duty electric motor and with a reservoir of 70 ounces with dashboard mounted switch.

**6. Windshield Wipers:** The body shall be equipped with two 2-speed electrically driven and intermittent controlled windshield wipers with heavy duty motors.

**7. Emergency Exit:** Interior handle guard to be center reinforced.

**8. Tow Hooks:** The body shall be equipped with two tow hooks front and rear bolted with 3/4 inch diameter bolts and adequately welded on #7 gauge steel or heavier cross member connecting the chassis rails. They shall be mounted in a position so that bumper damage will not occur when towing. Hook mounting shall be adequate to support weight of bus and reinforced to prevent breaking or bending.

**9. Electrical Wiring:** All electrical wiring is to be inside the body wall channel and readily accessible (without removal of other equipment) through movable panels in the interior of the bus and all harnesses and wires shall be protected from raw metal openings in the wall support structures. In addition to a permanently affixed color-coded wiring diagram, a separate, color-coded wiring diagram must be provided. All wiring to be lock type connectors.

**10. Roof Hatch/Vent:** 1 Transpec dual-purpose roof hatch model #DMA-1122 installed in roof over rear axle (see item #8 – lighting interior exterior). \*Quantity: (2) – front and rear.\*

#### **LIGHTING: INTERIOR, EXTERIOR**

**1. Alternating Flasher Control:** Alternating flasher control shall be flashing one inch diameter pilot light located in front of the driver on the instrument panel. The control unit shall not be the type which allows the lights to flash to a simultaneous phase. To include 8 lamp flasher system overhead light to be LED type.

**2. Alternating Flasher Switch:** Alternating flasher switch shall be distinctively mounted in a position separated from other switches for easy location and manual operation by the driver. The switch shall be located to the left of the driver in his control position.

**3. Warning Light Monitor Board:** Monitor must be mounted and easily viewed by the driver. \*All-light LED light monitor, can be integrated into driver's display.\*

**4. All exterior lights to be the LED type lights**

**5. Back-Up Lights:** There shall be two back-up lights with a minimum size of 7 inches in diameter that are automatically actuated when the vehicle is in reverse gear.

**6. Clearance Lights:** Clearance light shall be "PIN type, LED". "Armored Guard" to protect front side of lens.

**7. Interior Lights:** \* ALL interior lights shall be the LED type. \* There shall be nine (9) interior lights as follows:

A. Eight (8) passenger compartment dome lights shall have (2) switches in driver compartment. One (1) switch shall be wired to control the front six dome lights and one switch shall be wired to control the rear four

B. There shall be one separately switched dome light for the driver area. Option: dome light for driver area may be wired independently of ignition switch.

**8. Stop Lights:** There shall be (2) two, seven inch stop lights and tail lights, to work in conjunction with the now existing two, four inch stop and tail lights. These additional lights shall be located as near existing directional lights as possible in a horizontal line. All seveninch diameter tail and stop light lenses shall be from one manufacturer identical in design and shape, LED type.

**9. Strobe Light:** Furnish and install one (1) per unit a (white) Flash Strobe Light with lighted switch on control panel, LED type. Strobe to be mounted to the rear of Transpec roof hatch and in compliance with state standards.

10. Furnish and install one (1) electric swing arm stop sign With LED lights per governmental safety regulations. \*And to include vendor-installed camera.\*

11. Furnish and install back-up alarm that is activated when vehicle is placed in reverse. (See government regulations).

## **PROTECTION AND FINISHING**

**1. Insulation:** Inside the panels shall be spray coat of mastic with an additional one inch blanket of mineral type sheathing in sides, rear and roof and fill all cavities.

**2. Mud Flaps:** There shall be four (4) mud flaps made of cord base, 5/16 inch rubber, supplied with a steel reinforced mounting edge. Each mud flap will be mounted with a minimum of (4) four bolts directly behind the wheels.

**3. Painting and Lettering:** Painting and lettering shall conform to standards most recently established by Michigan State Highway Commission which must conform to US Department of Transportation's Standard #17.

**Contact Darald Shrider @ WSD Transportation Department (248) 674-2692 for vehicle numbering.**

The year number should denote the title year of the bus all numbering would be bus number – titled year. In conjunction with Oakland County Sheriff Department, bus will be numbered on the roof. If bus number is #16- and titled year is 25 roof numbering would be WF-2516 (Replacing #16, #17).

**4. Rust Prevention:** Sixteen (16) gauge body exterior panels. Body panels and undercarriage shall be guaranteed against rust or flaking paint for a period of five (5) years, with the exception of those areas where rust occurs because of collision damage.

**5. Undercoating:** Body panels will be undercoated to prevent corrosion. It shall be spray type for the floor, wheel housing and side panels below floor level. All exposed metal or

underside must be covered. Inner body panels shall also be covered to prevent rust. Documentation of rust proofing/undercoating will be provided at delivery.

**6. Body Mounting Pads:** Body mounting pads shall be of cord based rubber, ½ inch or greater in thickness and full width of the widest contact member. They must be installed at every body “hold down” location.

**7. Warranty Procedure:** If paint or mechanical problems occur, a mutually agreeable solution shall be reached by the District representative and manufacturer’s representative.

**8. Bumpers:** will be of the heaviest duty offered, a minimum of ½ inch thick and 8 inches wide and wrapping around end of bus to meet body panels (rear). There will be no open holes or spaces where a hand or fingers could fit. A. Both bumpers will meet State and Federal Guidelines and will be sufficient to withstand minimal collision damage and support vehicle while towing without damage. B. Rear bumper to have step installed to aide in rear exit / entry of rear emergency door

**9. Service Door:** Outward opening Air Door. Air door control cylinder to be mounted over the door with an access panel to the cylinder, with no exposed parts on the exterior of the bus. Air door to include a two-position switch. No thermo glass.

**10. Sun Visor:** One (1) Polaroid driver visor (6 in X 30 in minimum with locking lever) shall be supplied, mounting bracket shall permit visor to be lowered to near center of windshield.

**11. Emergency Equipment:** The following items will be located in the driver’s area in compliance with Michigan State Police Inspections. All items will be accessible and serviceable.

**A. Fire Extinguisher:** One (1) fire extinguisher showing a rating of not less than 2A 10DC (dry chemical) with a metal valve body and shall be clearly marked to indicate that the unit has been approved by Underwriters Laboratories or current State of Federal specifications.

**B. First Aid Kit:** One first aid kit as specified by Michigan Standards.

**C. Triangle Warning Devices:** Three (3) SAE-W-472 DOT triangles.

**D. Fuses** Three (3) red 20 minute fuses in canister.

## **PASSENGER AREA**

**1. SEATS:** All passenger seats shall be **FMVSS 210 compliant** mounted in compliance with State and Federal guidelines. Page of 8 8

**2. Side Windows:** All side windows shall be “double-hung”. All side windows are to be tinted for sun shading and heat deflection.

**3. Floor Covering:** Floor covering shall be one piece rubber or equivalent.

4. Driver’s compartment covering shall be smooth surfaced 1/8 inch thick material.

5. Aisle covering shall be ribbed 3/16-inch thick material and shall be one continuous sheet from the rear of bus to step well. The step well and aisle covering shall be jointed as a 45-degree angle so as to permit easy cleaning. There shall not be any metal strip(s) across step or aisle covering.

**6. Plywood Floor:** Complete plywood flooring.

7. Access door to fuel tank sending unit through floor, permitting removal of same.

## **Warranty/ MANUALS**

**Manufacture to provide towing and Bumper to Bumper parts/labor warranty to Waterford Schools for the life of the lease**

**\*\*\*Requesting quote for an unlimited mile lease\*\*\***

All guarantee/warranties to commence on date of delivery to district.

**TO BE PROVIDED AT TIME OF DELIVERY to WATERFORD BUS GARAGE**

One (1) Chassis and One (1) Body parts manual per order will be provided at the time of delivery and/or access to Online Manuals at no additional cost

One (1) Line Set Ticket shall be provided for each bus

Access to web-based Bill of Materials to include Chassis and Body parts documentation and wiring schematics.

Delivery of buses shall be to the Waterford Bus Garage, Waterford Michigan. All vehicles will be subject to inspection before delivery sign off.



**BID OPENING – ZOOM MEETING INVITATION**

**WSD-Trans – Aug 2025 Leased Buses**

**WSD-Trans – April 2026 Leased Buses**

**Waterford School District is inviting you  
to a scheduled Zoom meeting.**

Regina Eaton is inviting you to a scheduled Zoom meeting.

Topic: Bid-WSD-Trans-Aug Leased Buses, Bid-WSD-Trans-April 2026  
Leased Buses

Time: Mar 25, 2025 02:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

[https://zoom.us/j/98486829831?pwd=kdHqxa6UoAFcdwL1Min8ToQY9i  
PSnl.1](https://zoom.us/j/98486829831?pwd=kdHqxa6UoAFcdwL1Min8ToQY9iPSnl.1)

Meeting ID: 984 8682 9831

Passcode: s6tK1Z