

BID SPECIFICATIONS: 2025 77-PASSENGER TYPE C CONVENTIONAL SCHOOL BUS

ALL SCHOOL BUSES MUST BE IN COMPLIANCE WITH OKLAHOMA MINIMUM SCHOOL BUS SPECIFICATIONS

BODY SPECIFICATIONS:

BACKUP ALARM: Operates while in reverse.

CHILD CHECK SYSTEM: Warning system with reset button at rear of bus.

BUMPER, REAR: 10"x 3/16" Steel Wraparound Type, Bolted to Frame.

COWL STEPS AND HANDLES: Mounted LH and RH at windshield

DOORS: Entrance: Double outward opening, Electric operated.
Equipped with Vandal Lock and a Header Pad.
Exit: Rear, center mounted, upper/lower glass. Lower glass guard with Vandal Lock and Interlock. Retainer to hold door open.
Header Pad.
No exposed hinges

STEPS: 3-step Step Well, with Proflex lined steps with stamped in pebbles. Stainless steel handrail left and right side.

EMERGENCY EXITS: (2) Low Profile with outside release roof hatches.
(2) Push-Out Windows per Side

INSULATION: Fiberglass Type, Full Body Insulated.

LETTERING: "BROKEN ARROW PUBLIC SCHOOLS" - both sides of body.
"CAPACITY 77" Left of entrance door.

ALL EXTERNAL LETTERING MUST BE PAINTED ON

LIGHTS: All LED

Backup Lights: (2) 7" Clear Lens.
Backup Additional (2) Oval LED mounted on left and right skirts, Aft of rear well pocket area, below seat line illumination at rear tire, wired to the reverse light signal.
Clearance Lights: (2) Amber Front (Armored) (2) Red Rear (Armored)
Cluster Lights: (3) Amber Front (Armored) (3) Red Rear (Armored)
Directional Lights: (2) 7" Amber Front/ (2) 7" Amber Rear

Directional Lights, Side: (1) Armored Amber Light per side.
Dome Lights: Stagger Mounted in Light Bar, LED
Drivers Dome Light: (1), Separate Switch, LED
Strobe Light Roof Mounted (1) Separate Switch.
Stepwell & Entrance Door Light: Operates with Door Control, LED
Stop & Tail Lights: (2) 4" and (2) 7" Red Lens
Warning Lights: 8 Light LED Strobe System, Hooded

WIRING: All Wiring Must Be: Numbered, Color Coded, Loom/Grommet Protected

MIRRORS: Exterior Rearview: Rosco Eurostyle Heated System, adjustable from inside
Exterior Cross-view: Mirrorlite High definition Bus boy heated
Interior Rearview: 6 X 30 Padded Edge

MUD FLAPS: Anti Spray/Anti Sail Front and Rear

PAINT: Exterior: National School Bus Yellow
Roof: White Roof
Interior: Spring White
Interior Trim: Black Seat Frames and Heaters
Interior: Aluminized Side Panels

RELECTIVE TAPE: 3-M HIGH INTENSITY and/or Reflexite V82 (All exits, rear and sides)

ROOF CAP: "SCHOOL BUS" in 8-Inch Letters Front and Rear, 3-M HIGH INTENSITY

RUB RAILS: (4) One Piece, Continuous

SKIRTS AND SIDEWALLS: 16 Gauge, Smooth

FLOOR COVERING: One Piece, Dark Grey
Sub floor 5/8 marine grade plywood.

FUEL TANK INSPECTION PLATE: Floor Mounted

GLOVE BOX: (1) Left Side Console and (1) Front Bulkhead w/Latch

HEADROOM: 78" Minimum
Full Acoustical Headliner

HEATERS: Left Front Heater and Defroster: 90,000 BTU, Dual Motors/Blowers
LH Rear: 80,000 BTU
Stepwell Heater: 50,000 BTU with Defroster
Defroster Fan: 2-Speed, [1] upper center mounted, Metal Case [2]
Right side mounted, Metal Case
Ball Valve Shut Off – Inside Driver Access

ROOF: Roof Bows: 14 gauge, one-piece design (not welded or riveted)
Ruvan Tape: Used on all joints

SAFETY EQUIPEMENT: Fire Extinguisher: 5# dry type with hose and gauge
First Aid Kit: 16 units per state specifications
Reflectors: 3 Triangle Warning Devices
Clean Up Kit: Per State Specifications

SEATS: Passenger: 39" DOT approved School Bus Seats.
Upholstery: 42 oz. Fire Block on ALL seats and barriers.
Driver's Seat: manually adjustable

STOP ARMS: Front: Specialty 2980, Air Operated, 18" Octagon, LED Strobe
Flashing Red Lights, ½" White Border, Scotchlite Reflective Surface,
Double Sided.
Rear: Specialty 2981, Air Operated, 18" Octagon, LED Strobe
Flashing Red Lights, ½" White Border, Scotchlite Reflective Surface,
Double Sided.

SURVIELENCE SYSTEM: Seon TH6H500 to include: Trooper TH DVR 6 HD channels,
audio, security front cover with lock set, mounting bracket, power harness, and a 500GB
removable hard drive. Include explorer TX8 and HX16 wiring bundle with adapter harness,
diagnostic indicator/alarm button cable 20 ft, five signal input 20 ft and a GPS4 receiver
magnetic mount cable 20 ft.

CAMERAS: (2) HD3Q03A120: HD Camera, dome, 2.8mm Lens, internal audio with 20"
harness.

(3) HD3Q03A150: HD Camera, dome, 2.8mm Lens, internal audio with 50" harness.
Front camera mounted to show driver, step-well and 4-5 seats back. 2nd camera mounted behind
the driver seat facing the driver and step-well, 3rd camera mounted mid-way above passenger
window on driver's side facing rear. 4th camera mounted in rear forward facing and the 5th
camera mounted above passenger window mid-way facing the front.

SUNVISOR: 6.5 X 30, Transparent Plexiglas.

SWITCHES: Rocker Style with Circuit Breakers.

TOW HOOKS: Dual Rear.

UNDERCOATING: Full underbody Fire Resistant coating.

WINDOWS: Tinted to Allow **30%** Light Transmittal. 12" Split Sash

WINDSHIELD: Flat with shaded band

WIPERS: Bottom Mount, Wet Arm, Electric, Intermittent operation, Single switch, 6-quart reservoir.

RADIO: Harris

DM-M78B Mobile, XG-25M, 700/800MHZ, 35W

DM-PL5L FEATUREP 25 OVER-THE-AIR-REKEYING

DMPL7Z Feature 512 Systems/Groups

DM-PL4F Feature P25 Phase 2 TDMA

DM-PL7M Feature, 256-AES, ECP Encryption

DM-PKGPT Feature Package, P25 trunking

DM-7N9X Kit Accessories, XG-25M

AN-225001-004 Antenna Element, 700/800 2dB Low Profile

AN-125001-002 Antenna, Base, Standard Roof Mount, Low Loss

DM-MC9R Microphone, Standard, XG-25M

Microphone placed within easy reach of the driver

AM/FM PA SYSTEM: 8 speakers and (1) external PA Horn

CHASSIS SPECIFICATIONS:

ALTERNATOR: 280 Amp, Leece Neville

STARTER: Delco Remy

BATTERY SYSTEM: (3) 12 Volt 700 CCA Batteries 2100 CCA Minimum

FRONT AXLE/SUSPENSION: 12,000# Front Axle, 8,500# Parabolic Springs.

REAR AXLE: 21,000#

REAR SUSPENSION: 21,000# **Air ride suspension** with 9.25" ride height.

SHOCK ABSORBERS: Heavy-Duty Front and Rear

GEAR RATIO: 5.29 :1

BRAKE SYSTEM: Dual Air Brake System with 4-Channel ABS
Dust Shields Front and Rear.
Automatic Slack Adjusters Front and Rear
Color Coded Nylon Brake Lines
Air Compressor Supply Line through Air Cleaner
Inversion Valve and Double Check Valve
Automatic Type Drain Valve with Heater
Dual Air Pressure Gauge
13.2 CFM, Bendix Air Compressor
Bendix AD-9 with Heater

Front Brakes: S-Cam 15.0”X4.0”, 20 sq. in brake chamber
Rear Brakes: S-Cam 16.5”X7.0”, Bendix TR3030 brake chambers

EXHAUST SYSTEM: Horizontal Dual Catalytic Convertors, Frame Mounted Muffler Right Side

TRANSMISSION: 6 speed automatic transmission

FUEL TANK: 98 Gallon with Protective Cage, Mounted between the frame rails.

GAUGES: Electronic Speedometer, Tachometer, Hour meter, Voltmeter, Oil Pressure, Water Temperature, Fuel Gauge, and Ammeter. In-Cab Air Restriction Gauge, Transmission Oil Temperature Gauge, Low Oil Pressure/High Water Temperature, Warning Light and Buzzer.

HOOD AND FENDERS: Tilting Fiberglass Hood.

HORN: Dual Electric

STEERING: Ross TAS-66 Steering Gear, Tilting Column

ENGINE: 350 HP with 468lb-ft torque propane engine.

ENGINE COOLING SYSTEM:

De-aeration system with tank with sight glass.
Constant Torque Hose Clamps.

ENGINE EQUIPMENT: Block Heater: 750 Watt, Front Bumper Plug
Cruise Control
Electronic Hand Throttle
Heavy Duty Dual Element Air Cleaner with Pre- Cleaner
Viscous Type Fan Drive

HEADLIGHTS: Daytime Running Lights.
Headlight Warning Buzzer

WHEELS: 22.5 X 8.25, 10 Stud, Hub Piloted, Black Painted Steel
Oil Lubricated Wheel Bearings Front and Rear.

TIRES: **Michelin Brand**
Front: 11R22.5 XZE2, 16 ply Load Range H
Rear: 11R22.5 XDN2, 16 ply Load Range H

TOW HOOKS: Dual Frame Mounted, Front and Rear

WHEELBASE: 273”

FRAME RAILS: MILD CARBON STEEL (50,000 PSI YIELD)
10.125”x3.062”x0.312

WARRANTY: Engine Extended Warranty Ten Year 200,000 miles
Five year Unlimited mile towing policy.

Full View Camera System: To give views of up to 360 degrees of the sides and rear of the bus.

Active Collision Mitigation System:

System to include:

Electronic Stability Control

Adaptive Cruise Control with Collision Mitigation and Stationary
Vehicle Braking

Over speed Alert and Action

Front Radar and Camera with Driver Display

Impact Alert

Following Distance Alert

Stationary Object Alert

Lane Departure Warning

Driver Monitoring System: 16 Light System Mounted Above Windshield or in Dash

Three Reflective Images route sign changer XL with hinges, model number RCXL-H4R. 4-digit changeable route signs. One mounted aft of the entrance door. Second mounted on the rear of the bus. Third mounted on the left side of bus near the front stop sign.

SERVICE MANUAL: Body and Chassis on CD-ROM or online

PARTS MANUAL: Body and Chassis on CD-ROM or online

Any and all exceptions to bid specifications must be noted and description of alternate equipment attached to bid.

ADDITIONAL ALTERNATE EQUIPMENT:

DIAGNOSTIC SOFTWARE: Engine, Transmission, Brake and Body Diagnostic Software and Interface Cable[s]