

78 Passenger Bus Bid



TM

2017 Model Year 78 Passenger Bus Content

Line set Ticket

Original Cleveland City Schools Bus Bid including floor plan

BUS PROPOSAL

Date: Friday, November 20, 2015

Customer Name: Cleveland City Schools

Model: 78 Passenger Conventional Engine School

Engine: 250HP 660 lb-ft. torque Cummins ISB Engine

Quantity: 1 or more

78 Passenger Price with 110K BTU AC system: \$91,549.71

78 Passenger Price without AC system: \$85,062.71

Delivery: 90 days ARO or better

Signature: 

Ashley Hailston

Bus Account Manager

Cumberland

1901 Lebanon Pike

Nashville, TN 37210

Cell Phone 615.598.3572

AHailston@cumberlandintltrucks.com

All bid prices included on this bid are valid for a minimum of 365 days or longer and available to any school system in the state of TN for piggy back purchases.

Cancellations: No cancellations are accepted after unit(s) line set for build date by factory. If cancelled before line set there is a cancellation fee of \$1,000.00 per unit.



October 26, 2015

78 pass.

Prepared For:
CUMBERLAND IC BUS SALES
janelle liechty
1901 Lebanon Pike
Nashville, TN 37210-3229
(615)829 - 7848
Reference ID: Cummins

Presented By:
CUMBERLAND INTERNATIONAL TRUCKS, INC.
Janelle Liechty
1901 LEBANON PIKE
NASHVILLE TN 37210 -
(615)256-4633

Thank you for the opportunity to provide you with the following quotation on a new IC Corporation vehicle. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile

~~2016~~ INTEGRATED CE S BUS (PB105) 2017 stock

APPLICATION:	School Transportation
MISSION:	Requested GVWR: 31000. Calc. GVWR: 31000 Calc. Start / Grade Ability: 22.59% / 2.56% @ 55 MPH Calc. Geared Speed: 80.5 MPH
DIMENSION:	Wheelbase: 276.00, CA: N/A, Axle to Frame: 166.00
ENGINE, DIESEL:	{Cummins ISB 250} EPA 2010, 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max) School Bus Only
TRANSMISSION, AUTOMATIC:	{Allison 2500_PTS} 5th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; Less PTO Provision, Less Retarder, With 33,000-lb GVW & GCW Max. School Bus
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Navistar Select} I-Beam Type, 10,000-lb Capacity
AXLE, REAR, SINGLE:	{Navistar Select} Single Reduction, 21,000-lb Capacity, 190 Wheel Ends Gear Ratio: 5.29
TIRE, FRONT:	(2) 11R22.5 ECO PLUS HS3 (CONTINENTAL) 495 rev/mile, load range H, 16 ply
TIRE, REAR:	(4) 11R22.5 ECO PLUS HS3 (CONTINENTAL) 495 rev/mile, load range H, 16 ply
SUSPENSION, REAR, AIR, SINGLE:	{International} Ride Optimized Suspension (IROS); 21,000-lb Capacity, 9.25" Ride Height, With Shock Absorbers
PAINT:	Cab schematic 100NB Location 1: 4421, School Bus Yellow (Std) Chassis schematic N/A

Content Detail of Bus

Vehicle Specifications
2016 INTEGRATED CE S BUS (PB105)

October 26, 2015

Description

Base Chassis, Model INTEGRATED CE S BUS with 276.00 Wheelbase, N/A CA, and 166.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm); 480.1" (12195mm) Maximum OAL

Includes

- : CHASSIS PAINT Chassis Painted Prior to Body Mounting
- : FRAME RAILS All holes Laser Aligned and Machine Punched, Powder Coated Prior to Full Assembly, Assembled in Fixture using "Grade 8" Bolts
- : FRAME REINFORCEMENT, SPECIAL 3.30" x 1.80" x 0.312" x 31.50" Inverted "L" in Front Shock Absorber Mounting Area

BUMPER, FRONT Full Width, Aerodynamic, Heavy Duty, Steel

Includes

- : BUMPER, FRONT THICKNESS 1/4 Inch

CROSSING GATE, FRONT Air, Yellow Blade, Bumper Mounted

Includes

- : CONTROL ASSEMBLY Located Rear of Front Bumper, Heater not Required
- : CONTROL ASSEMBLY Solid State, Located Rear of Front Bumper, Heater not Required
- : CROSSING GATE, FRONT Matches Contour of Bumper

CROSSMEMBER, REAR, AF (2)

WHEELBASE RANGE 276" (700cm) Only

AXLE, FRONT NON-DRIVING {Navistar Select} I-Beam Type, 10,000-lb Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 10,000-lb Capacity; With Shock Absorbers

Includes

- : SPRING PINS Bolt and Nut Type
- : SPRING PINS Rubber Bushings, Maintenance-Free

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

- : BRAKE LINES Color and Size Coded Nylon
- : DRAIN VALVE Twist-Type
- : DUST SHIELDS, FRONT BRAKE
- : DUST SHIELDS, REAR BRAKE
- : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster
- : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel
- : PARKING BRAKE VALVE For Truck
- : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4
- : SLACK ADJUSTERS, FRONT Automatic
- : SLACK ADJUSTERS, REAR Automatic
- : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4

Notes

- : Rear Axle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.
- : Rear Axle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.

DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank

Description

Includes

: DRAIN VALVE Mounted in Wet Tank

AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)

AIR DRYER (Bendix AD-9) With Heater

BRAKE CHAMBERS, FRONT AXLE (Bendix) 20 SqIn

BRAKE CHAMBERS, REAR AXLE (Bendix EverSure) 30/30 Spring Brake

BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

Notes

: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

AIR COMPRESSOR (Cummins) 18.7 CFM Capacity

PARKING BRAKE INTERLOCK Parking Brake Cannot be Released until Ignition Switch is in the "ON" Position and the Service Brake Pedal is Applied, Use with air brake chassis only.

GVWR LIMITATION FOR BUS With Air Brakes, Limited to 33,000-lbs Maximum to meet FMVSS 105 Requirements, for Conventional Bus

STEERING COLUMN Tiling

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR (Sheppard M-100) Power

EXHAUST SYSTEM Inline, Horizontal Aftertreatment Device Frame Mounted Right Side, Includes Long Horizontal Tail Pipe

ENGINE EXHAUST BRAKE for Cummins ISB Engine With Variable Vane Turbo Charger

TAIL PIPE Long Horizontal, Exits Left Side Through Bumper

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

: FUSES, ELECTRICAL SAE Blade-Type

: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover

: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever

: MISCELLANEOUS FEATURES Modular, Loom Protected, Grommets in all Applicable Body Openings, Assembled in Computer Assisted Fixture which Verifies Continuity and Correct Assembly Prior to Installation

: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

: STARTER SWITCH Electric, Key Operated

: TURN SIGNAL FLASHER

: TURN SIGNAL SWITCH Self-Cancelling with Lane Change Feature

: TURN SIGNALS, FRONT Includes Reflectors; Flush Mounted

: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever

: WIRING, CHASSIS Color Coded and Continuously Numbered

HORN, ELECTRIC (2) Disc Style

ALTERNATOR (Delco Remy 28SI) Brush Type, 12 Volt 200 Amp. Capacity, Pad Mount

BATTERY SYSTEM (International) Maintenance-Free, (2) 12-Volt 1850CCA Total

BATTERY BOX Steel, With Sliding Tray, 25.25" Wide, for Standard Batteries, Mounted Left Side Behind Front Axle **Perpendicular to Frame Rail**

Description

HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights

STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL With Audible Alarm

HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses

HOOD TILT ASSIST {EASY TILT} Mechanical

FRONT END Tilting, Fiberglass, With Three Piece Construction

Includes

: AIR INTAKE SYSTEM Integrated Pre-Cleaning System to Enhance Air Filter Life

: GRILLE Removable; Fiberglass Painted Hood Color

: SPLASH SHIELD Integral with Front End Assembly

CHASSIS PAINT Full Chassis

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "NB"

PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.

KEYS - ALL ALIKE Fleet, Ignition Only

KEYS - ALL ALIKE, ID Z-250

CLUTCH Omit Item (Clutch & Control)

ENGINE, DIESEL {Cummins ISB 250} EPA 2010, 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max) School Bus Only

Includes

: ANTI-FREEZE Red Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for Cummins ISB Engines

: FUEL/WATER SEPARATOR Fuel/Water Separator; Heated; with Water-in-Fuel Sensor. Engine Mounted

FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On

Includes

: FAN Nylon

THROTTLE, HAND CONTROL Electronic

Notes

: Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.

RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler

Includes

: DEAERATION SYSTEM with Surge Tank

: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

: RADIATOR HOSES Premium, Rubber

AIR CLEANER With Service Protection Element

Includes

: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

CRUISE CONTROL Electronic

Notes

Vehicle Specifications
2016 INTEGRATED CE S BUS (PB105)

October 26, 2015

Description

: Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.

GOVERNOR Electronic Road Speed Type; for Electronic Engines and Bus Models; With 55 MPH Default

ENGINE SOUND ABATEMENT PACKAGE Exterior, for International Engines With Underhood Blanket and Foam Covered Splash Shields

BLOCK HEATER, ENGINE (Phillips) 120 Volt/750 Watt; for Cummins ISB Engine

EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations

FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; ISB Engines

TRANSMISSION, AUTOMATIC (Allison 2500_PTS) 5th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; Less PTO Provision, Less Retarder, With 33,000-lb GVW & GCW Max. School Bus

Includes

: OIL FILTER, TRANSMISSION Mounted on Transmission

: TRANSMISSION OIL PAN Magnet in Oil Pan

TRANSMISSION OIL Synthetic; 20 thru 28 Pints

SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, Performance Programming

AXLE, REAR, SINGLE (Navistar Select) Single Reduction, 21,000-lb Capacity, 190 Wheel Ends . Gear Ratio: 5.29

SUSPENSION, REAR, AIR, SINGLE (International) Ride Optimized Suspension (IROS); 21,000-lb Capacity, 9.25" Ride Height, With Shock Absorbers

Notes

: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.

FUEL TANK Top Draw; Rectangular, Steel; 100 U.S. Gal., 397 L Capacity, Mounted Between Frame Sidemembers and Behind Rear Axle, Includes Protective Cage and with Fuel Filler Assembly and Vent Hosing

Notes

: Requires 254" WB Min

DEF TANK 12 U.S. Gal. 45.4L Capacity, Frame Mounted Outside Right Rail

COWL Flat Back

GAUGE CLUSTER English With English Electronic Speedometer

Includes

: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter

: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout

: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)

GAUGE, OIL TEMP, AUTO TRANS , for Allison Transmission

GAUGE, AIR CLEANER RESTRICTION (Filter-Minder) With Black Bezel Mounted in Instrument Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

GAUGE, DEF FLUID LEVEL

WHEELS, FRONT (Accuride) DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, FRONT WHEELS Black

Notes

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5

Vehicle Specifications
2016 INTEGRATED CE S BUS (PB105)

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Description

WHEELS, REAR (Accuride) DUAL DISC; 22.5" Painted Steel, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

Includes

: PAINT IDENTITY, REAR WHEELS Black

Notes

: Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5

WHEEL SEALS, FRONT (International) Oil-Lubricated Wheel Bearings

BODY TAG, METAL Capacity to Include the Total Number of Passengers

STEP, FRONT ENTRANCE DOOR 27 1/4" Depth; 14ga Steel

Includes

: STEP, FRONT ENTRANCE DOOR OPENING, 35 Inch Width; Continuous Bottom to Top

BODY, BUS Conventional; 78" Headroom, 34'11" Body Length, +9 Section Rear, 77 Passenger, 276 WB

Includes

: NOTE: Body Mandates Overall Vehicle Length of Greater than 40 Feet

HEADLINER, BODY Conventional; 25'11"-34'11" Body Length, Perforated Full Length With Sound Insulation Full Length

FASTENERS, HEADLINER Screws

BOWS, ROOF 14 ga., One Piece Construction

Includes

: BOWS, ROOF Positioned Floor Line to Floor Line, Threaded Through Roof Strainers and Drip Rail

LIGHT BARS Plastic

SKIRT, BODY Conventional, 20", 16ga., 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length

Includes

: SKIRT, BODY Extra Smooth Steel Supported by Floor Gussels

TIE DOWNS, BODY Grade 8 Bolts, Every Body Section

Includes

: TIE DOWNS, BODY with Formed Tab that Fits into Floor Structure to Prevent Turning

RUB RAILS, BODY (4) Conventional; Steel, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length, Includes Snow Rail

Includes

: RUB RAILS Full Length, Primer Coated (Both Sides), Attached to Body without Cuts or Splices

BODY, REAR Includes Emergency Door

Includes

: DOOR, REAR EMERGENCY with Concealed Hinges

: HEADER BUMPER Padded, Mounted Over Rear Door; Upholstered to Match Passenger Seat Color

SIDE SHEET, BODY, EXTERIOR Conventional, 16ga., Smooth, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length

FLOOR, BODY With Wheel Wells

SUPPORTS, REAR BUMPER Bolted to Frame

BUMPER, REAR Painted; 12" High, 3/16" Thick, With 7" Hole for Exhaust

TOW HOOK, LEFT REAR (01)

TOW HOOK, RIGHT REAR (01)

Vehicle Specifications
2016 INTEGRATED CE S BUS (PB105)

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Description

LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated

SEALER Water-proof Sealer on all Floor Covering Seams

LETTERS, SCHOOL BUS FRONT/REAR Decal; "SCHOOL BUS"; With 8" Black Reflective Letters, 3M Fluorescent Diamond Grade, Yellow On Front and Rear Cap

BODY CERTIFICATION TAG Mylar Label, Located Above Driver Window, with Actual Tire Load Rating

FASTENERS, REAR DOOR Lag Screws, Rear Door To Body

COVER, REAR DOOR INSIDE HANDLE Partial Coverage

DOOR, ENTRANCE, FRONT Air, Outward Opening, With Split Pane Glass

Includes

: DOOR, ENTRANCE, FRONT Aluminum Frame with Pin Style Hinges, Ball Bearing Assisted, Interchangeable Top and Bottom Glass

HANDLE, ASSIST, ENTRANCE DOOR Outside Entrance

HOLD BACK, REAR DOOR Stationary, No Cables, With Plastic Cover

LATCH, REAR DOOR One Point Slide Bar, Cam Operated, with One Inch Stroke

HANDLE, EXTERIOR, REAR Emergency Door; Yellow

SWITCH, LOCATION Left of Driver; Includes Master Flasher, Amber Flasher, and 3 Position Door Control With Red Override

HOLD DOWN, BATTERY For (2) Standard Size Batteries

MONITOR, POST TRIP INSPECTION (Leave No Student Behind) Accessory Controlled, With Push Button Alarm Disable at Rear of Bus Prompts Driver to Walk to Back of Bus and Push Button in Light Bar to Deactivate System

NOISE REDUCTION, DRIVER FLOOR Insulation Covering Complete Driver Floor Area

NOISE REDUCTION, ROOF BOW Conventional; Insulation, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Lengths

INSULATION, ROOF AND SIDES 1.50", All Models

UNDERCOAT, FLOOR/STEPWELL/SIDES for Engine Noise Reduction

UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec

Includes

: UNDERCOATING Performed Before and After Mounting on Chassis

INSULATION, STEPWELL

LETTERS, DOOR, REAR Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside

LETTERS, BATTERY COMPARTMENT (01) Decal; "Battery"; 2" Black letters, Centered on Standard Battery Box

STRIPING, K/O WINDOW, LEFT (02) Perimeter, Reflexite V82

LETTERS, K/O WINDOW, LEFT (2) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside

STRIPING, PERIMETER, REAR Emergency Door; Reflective, Yellow

STRIPING, REAR END Reflexite 2"

STRIPING, ROOF HATCH, FRONT Yellow Decal, Perimeter, Reflexite

STRIPING, ROOF HATCH, REAR Yellow Decal, Perimeter, Reflexite

STRIPING, SEATLINE 2" Reflexite V82, Yellow

WIRING DIAGRAM Schematic, Electrical

Includes

Vehicle Specifications
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Description

: ACCESS PANEL for Wiring Diagram Schematic Located on Body Exterior; Below Driver Window

STRIPING, K/O WINDOW, RIGHT (02) Perimeter, Reflexite V82

LETTERS, HEADER Decal; "WATCH YOUR STEP", 1" Black, Above Windshield

LETTERS, STEPWELL Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser

PAINT RUB RAILS 0001 Canyon Black

SEAL, RUB RAILS Top Edge, All Rails

LETTERS, K/O WINDOW, RIGHT (2) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside

PAINT COLOR, BODY EXTERIOR 4421 Yellow, SBNS

PAINT FLASHER BACKGRD 0001 Canyon Black

PAINT COLOR, BUMPER Rear; 0001 Canyon Black

PAINT COLOR, ROOF 9219 Winter White

PAINT, RUB RAIL Flange to Flange

PAINT COLOR, BODY INTERIOR 9384 Spring White

LETTERS, FUEL I.D. Decal; "DIESEL FUEL", 1" Black, on Fuel Filler Door

OPERATING INSTR, REAR Decal, Inside Rear Emergency Door

LOGO, ROOF LINE Decal; Wing and Shield, First Body Section, Above Driver Window and Entrance Door Over Driver Window and Entrance Door

PAINT HOOD AND FENDER To Match Body Exterior

HANDLE, ASSIST Windshield Side Mounted, Left and Right, Body Color

LETTERS, DEF, I.D. Decal; "DEF ONLY", 1" Black, on DEF Filler Door

SUB FLOOR, PLYWOOD Conventional; B-C Exterior Grade, Less Sealed Edges, 5/8", 5 Ply, for 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length

SEAT BELT, DRIVER, COLOR With Blaze Orange Seat Belt Webbing

WINDOW, DRIVER Laminated, Clear

WINDOW, STOPS 12" Opening, Only With 78" Headroom

WINDOW, SASH (20) 27" Sections, 9" x 23" Opening

WINDOW, SASH +9 SECTIONS (2) 9" x 32 1/4" Opening

WINDOW, PASSENGER, TINT Conventional; 28% Light, Laminated Glass, 78" Headroom, With 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length

WINDOW, K/O, LEFT (2) Vertical Hinge

COLOR, WINDOW FRAME, PASS Passenger Window, Natural Aluminum Finish

WINDOW, K/O, RIGHT (2) Vertical Hinge

HEATER, DRIVER 90,000 BTU, with Defroster and Without Rear Heat Duct

Includes

: AIR FILTER

: HEATER HOSES Premium

: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps

FITTINGS, AIR SEAT for Driver Seat

Description

WINDSHIELD 3 Flat Pieces, 73% Light, With Band

WHEEL POCKET COVER Plastic, ABS

AISLE POSITION Center, for balanced seating

FLOOR COVERING, COLOR Black

UPHOLSTERY, PASS SEATS, TYPE Prevail, 42 oz.; for (25-26) Seats

FLOOR COVERING, TRIM Aluminum

FLOOR COVERING, TYPE {Koroseal} All Body Lengths

HOSE CLAMPS, HEATER HOSE Constant Torque for Heater System

FAN, DEFOG LEFT CENTER 6.50" Diam., Black, Mounted Left of Center Post, 2-Speed Switch in Panel

FAN, DEFOG RIGHT CENTER 6.50" Diam., Black, Mounted Over Windshield, 15" Right of Centerline, 2-Speed Switch in Panel

HEATER, PASS, LT REAR 84,500 BTU

Includes

: AIR FILTER

HEATER, STEPWELL 50,000 BTU

Includes

: AIR FILTER

HEATER, WATER PUMP (2MPU 12) Self Priming, With Plastic Housing

HEATER CUT OFF, VALVE Gate 3/4"

ROOF VENT, FRONT Static

ARM REST, DRIVER, RIGHT {National}

NUTS, BELT MOUNTING Standard Nuts For Seat Belt Mounting

UPHOLSTERY, DRIVER SEAT, STYLE Plain, With Cloth Insert

UPHOLSTERY, DRIVER SEAT, COLOR Drivers Seat, Gray

UPHOLSTERY, PASS SEATS, COLOR Gray, for Seats, Barriers and Head Bumpers

UPHOLSTERY, DRIVER SEAT, TYPE Vinyl, 42 oz.

UPHOLSTERY, BARRIER, TYPE (1-2) Prevail, 42 oz.

ROOF HATCH, FRONT {Specially 9245-0200} Emergency Exit With Alarm

ROOF HATCH, REAR {Specially 9245-0200} Emergency Exit With Alarm

BARRIER, CRASH, AFT ENTRY DOOR 39", 1 Leg

BARRIER, CRASH, AFT DRIVER 39", 1 Leg

PANEL, MODESTY, AFT OF DRIVER Mounted Under Barrier

HAND RAIL, ENTRANCE DOOR, FWD 1" OD, Painted Gloss Black

HAND RAIL, ENTRANCE DOOR, AFT 1" OD, Gloss Black, 4", Above Step

CUSHION, SEAT 15" Depth

Includes

: WARRANTY Four Years

Description

UPHOLSTERY, SEAT, STITCHING Single

Includes

: WARRANTY Two Years

SEAT, DRIVER (National 2000) Air Suspension, High Back With Integral Headrest, Cloth, Isolated, With 2 Position Front Cushion Adjustment, 6 to 17 Degree Seat Back Adjustment, Mechanical Lumbar Support, Includes Additional Back Padding For School Bus Use

Includes

: SEAT BELT, DRIVER Adjustable D-Loop Seat Belt, Single Locking Retractor

STEP TREADS (Koroseal) Pebble Top With White Nosing, With Non-Metal Backing

SEAT,PASS,LT,39",2 LEG (13)

Notes

: BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.

SEAT,PASS,RT,39",2 LEG (13)

Notes

: BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.

SEAT BACK, PASSENGER High Back

BODY PLAN, APPROVED VARIATION Number 008

LIGHT, ENTRY DOOR Light Mounted in Skirt Behind Entrance Door, Wired To Step Light

LIGHTS, BACK UP (2) 7" Diameter, Clear

LIGHTS, DIRECTIONAL, FRONT 7" Amber Arrow, on Front Cowl

LIGHTS, DIRECTIONAL, REAR (2) 7" Amber Arrow

LIGHTS, WARNING (8) Quartz Halogen Beams, 7", 2 Front, 2 Rear, Red and Amber Lights

LIGHTS, TAIL, LICENSE PLATE (2) 4" Red With Light Window

LIGHTS, MARKER, FRONT, REAR (4) Two Amber Front and Two Red Rear, Armor Type Single 1500 Hour 2cp Bulb Each Light

LIGHTS, STOP (2) and Tail, 7" dia., Red

LIGHT, STROBE, STOP SIGN, FRT In Lieu Of Flashing Lights Furnished With Stop Sign, Speciality

LIGHT, STROBE, STOP SIGN, REAR In Lieu of the two Flashing Lights Furnished With Stop Sign, Speciality

CONNECTION, LIGHTS Cluster, Clearance and Side Marker To Tail Lights

SWITCH, DRIVER PANEL, TYPE Rocker

CIRCUIT, PROTECTION Breakers, Manual Reset in Lieu of Fuses

Includes

: ACCESS PANEL for Body and Chassis Fuses/Circuit Breakers Located on Body Exterior; Below Driver Window

HORN, AIR Outside Above Drivers Window, With Electric Solenoid and Switch on Panel, on Air Chassis

ALARM, BACKING (Ecco #850) 112 db

SWITCH, REAR DOOR BUZZER for Emergency Door

SWITCH, MAGNETIC, DISCONNECT Master, Ignition Operated, All Body Circuits

SOURCE, POWER 12 Volt DC, Mounted On Dash

LIGHTS, DOME Rectangular Recessed Type; Stagger Mounted in Light Bars

Includes

Description

: WIRING HARNESS Main Body Wiring Harness Accessed by Removing Dome Light

LIGHT, STEP Wired to Dome Lights, Operated by Entrance Door

LIGHT, INDIC, WARNING LIGHTS Red and Amber

Includes

: LIGHTS, WARNING Indicator Located in Instrument Cluster

SPEAKER, OUTSIDE Horn, PA, Mounted on Right Rail Under Step Well

SPEAKERS AND WIRING (4) Flush Mounted in Light Bar

LIGHT, STROBE, GUARD Brush Guard; for Strobe Light 3" to 5.5" High, Aeroflash Model 101-0298

FLASHER SYSTEM (8) Warning Lights, 8-Lamp System, Electronic Relay Flasher, Non-Sequential Operation, Red Lights Activate With Door Open

LIGHT, EXTERIOR, CHECK Automatically Activates Lights for Pre Trip Inspection

FUEL FILLER DOOR Key Locking, Lever Latch, Spring Loaded to Hold in Open Position

STOP ARM, FRONT (Specialty 2980) Air, Hi Intensity, LED Strobe Lights

LIGHTS, MARKER, SIDE Intermediate, Single Bulb, Centered, 3cp, 1500 HR Bulb, Required for Units 30 Foot or Longer

SWITCH, BATTERY Shut-Off, 300A Weather Resistant, In Battery Compartment

STOP ARM, LEFT REAR (Specialty 2981) Air, Hi Intensity, LED Strobe Lights, With Letters on Back

HOOD, WARNING LAMP (4) Black, 8-Lamp System, One Hood Above Two Lights

RADIO, ENTERTAINMENT (Panasonic) AM/FM-MPLX Stereo With Antenna and Cable, and Public Address, 4 Speaker

LIGHTS, CLUSTER (Truck Lite 07045A & 07045R) LED; Amber Front and Red Rear

MIRROR, REAR VIEW, EXTERIOR (Rosco) Open View, Black, Heated, Non-Detent

LIGHTS, DIRECTIONAL, SIDE (4) (Sound Off ECVML153Y) Armored, 2 Each Side First Section Aft Entrance Door & Forward Rear Wheel Pocket

MIRROR, INSIDE 10" x 30", Clear

MIRROR, CROSS VIEW, EXTERIOR Heated, Black, Rosco

Includes

: MIRROR MOUNT Attached to Body with Metal Backing Plates

VISOR, INTERIOR, LEFT FRONT 6" x 30", Transparent, For Left Windshield

KIT, FIRST AID Metal; 24 Unit, Spec State

SWITCH, NOISE SUPPRESSION Actuator Legend States, "NOISE SUPP ", for Separate Solenoid, With Red Switch in Panel

LIGHT, STROBE ECCO 6550C, low profile, double flash, 4.9" high

KIT, BODY FLUID Tennessee

WINDSHIELD WIPERS (2) Cowl Mounted

Includes

: WINDSHIELD WIPERS CONTROL Single Motor, Overlapping Wipe Pattern

SAFETY TRIANGLES Warning Reflectors, Mounted on Front of Drivers Barrier 6" Below Top of Modesty Shield

FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum With Flexible Hose and Metal Nozzle

REFLECTORS, SIDE, INTERMEDIATE (2) 3" Amber, 1 Each Side, Mounted With Screws, Below The Third Rub Rail From the Top

Vehicle Specifications
2016 INTEGRATED CE S BUS (PB105)

October 26, 2015

Description

REFLECTORS, SIDE, REAR (2) 3", Red, Mounted With Screws

REFLECTORS, SIDE, FRONT (2) 3", Amber; 1 Aft Drivers Window Left, 1 Aft Entrance Door Right, Mounted With Screws

REFLECTORS, REAR (2) 3", Red, Mounted With Screws

CUTTER, SEAT BELT (TIE TECH Safecul) for Cutting Seat Belts

CERTIFICATE HOLDER (1) 9.375" x 6"; With Transparent Cover

FENDERS, RUBBER, REAR (2)

INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel

MUD FLAPS, FRONT WHEELS (2) Rubber

MUD FLAPS, REAR WHEELS (2) Rubber; Behind Rear Wheels

WINDSHIELD WASHER Kit; 6 Quart Capacity, Bottle

Includes

: WINDSHIELD WASHER ELECTRICAL CONNECTIONS Sealed and Locking Type

FUEL FILLER PIPE Neck Cap and Vent Hosing for Use With Right Side Fill 100 Gal. Between the Rails Fuel Tanks

DEF FILLER DOOR With Non-Locking Latch

BODY PLAN, NON-SPECIAL NEEDS Conventional; 34' 11" Body Length, +9 Section Rear, 78 Passenger, 276" WB, DX3024A000

STATE OF OPERATION Tennessee

(2) TIRE, FRONT 11R22.5 ECO PLUS HS3 (CONTINENTAL) 495 rev/mile, load range H, 16 ply

(4) TIRE, REAR 11R22.5 ECO PLUS HS3 (CONTINENTAL) 495 rev/mile, load range H, 16 ply

Services Section:

WARRANTY Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built January 2, 2015 or Later, CTS-3304G

WARRANTY 5-Year, Limited

BUS PROPOSAL

Date: Friday, November 20, 2015

Customer Name: Cleveland City Schools

Model: 78 Passenger Conventional Engine School

Engine: 250HP 660 lb-ft. torque Cummins ISB Engine

Quantity: 1 or more

78 Passenger Price with 110K BTU AC system: \$91,549.71

78 Passenger Price without AC system: \$85,062.71

Delivery: 90 days ARO or better

Signature: 

Ashley Hailston
Bus Account Manager

Cumberland

1901 Lebanon Pike
Nashville, TN 37210
Cell Phone 615.598.3572
AHailston@cumberlandintltrucks.com

All bid prices included on this bid are valid for a minimum of 365 days or longer and available to any school system in the state of TN for piggy back purchases.

Cancellations: No cancellations are accepted after unit(s) line set for build date by factory. If cancelled before line set there is a cancellation fee of \$1,000.00 per unit.



School Bus Bid Specifications

Cleveland City Schools 78 Passenger bus with AC

District Information		Remarks/Exceptions
School District Name	Cleveland City Schools	
School District Contact	Hal Taylor	Valerie Mack
Contact Person Phone	423-472-9572	423-472-9576
Contact Person Email	htaylor@clevelandschools.org	vmack@clevelandschools.org
General Bid Requirements		
Bid Opening Date	Friday, November 20	√
Bid Opening Time	10:00AM EST	√
Bid Opening Location	AOB	√
Bid Opening Address	AOB 4300 MOUSE CREEK RD CLEVELAND, TN 37312	√
Bus Delivery Location	Bus Garage	√
Expected Number Of Buses	2	√
Duration Of This Bid	365 days or more	√
Bus Type (A-B-C-D) (Sped)	C	√
Bus Model Year	2017 or newer	√
Design Seating Capacity	78	√
Wheelchair Lift Required	NO	√
WTOR System Required	NO	√
Number of Wheelchair Spaces	NONE	√
Supplemental Documents		
Body Warranty	5 years 60 months unlimited mileage	√
Bumper Corrosion	3 years 36 months	√
Chassis Warranty	5 years 60 months unlimited mileage	√
Transmission Warranty	12 months unlimited mileage	√
Seat Warranty	2 year upholstery	√
Seat Warranty	4 year seat foam	√
Seat Warranty	5 year seat frame	√
Engine Warranty	5 years parts and labor	√
Engine Warranty	5 years 100,000 mileage Engine Warranty including electronics, injectors, and EGR. 2 years towing for engine related warrantable failures	√
Manuals	Complete Parts	√
Maintenance Training		
Training Location	Distributor's Facility	√
Address and distance in miles of the Nearest Factory Authorized Warranty Provider	Lee Smith International	31 miles

Additional Add-On Equipment		
Surveillance System	Fortress 4-Cameras	√ Customer may substitute any 4 camera system of choice
Two-Way-Radio-System	Kenwood TK-7102H Jordon Phillips 423-316-8590 C-Com 8426 Petty Rd. Chattanooga TN 37421 Model # 7302 Estimated cost \$450.00	√ Customer may substitute two way radio system of choice
GPS System		
Air Conditioner	Minimum 104,000BTU's	Driver dash & Rear in-wall System included in price of \$91,549.71
	Front and Rear System	√ Bus without AC is \$85,062.71

Body/Chassis Specifications		√
Air Cleaner	With Service Protection Element	√
Aisle	Centered	√
Axles- Rear	21,000-lb Capacity, 190 Wheel Ends	√
Axles- Rear	Gear Ratio 5.29; Max Accel 80mph	√
Axle- Front	10,000 lb front axle	√
	I-Beam	√
Back-Up Warning Alarm	112 db	√
Brakes: General	Brake Chambers, 20 SQ in front and 30/30 rear	√
Brakes: General	Automatic Slake Adjusters	√
Brakes: General	Parking Brake activated by dash mounted switch	√
Brakes: General	To reduce the potential of accidental release of parking brake, the bus shall be equipped with an interlock that requires the key to be in the on position and service brake pedal applied to release.	√
Brakes: Hydraulic	Omit	√
Brakes: Air	Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)	√
Brakes: Air	Bendix AD-9 Air Dryer with heater	√
Brakes: Air	Front brakes: 16.5" x 5.0" Includes 20 Sq. In. Long Stroke	√

	Brake Chambers	
Brakes: Air	Rear brakes: 16.5" x 7.0" Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake	√
Brakes: Air	Air Compressor 18.7 CFM	√
Bumper: Front	1/4" Steel Bumper, Full Width, Aerodynamic, Heavy Duty	√
Bumper: Rear	12" high, 3/16" Steel Bumper Powder Coated	√
Bumper: Rear	Painted black, 12" High, 3/16" Thick, With 7" Hole for Exhaust	√
Certification	9.375"X 6" With Transparent Cover	√
Clutch	Omit	√
Color	Florida standard reflection quality	√
Color	4421 School Bus Yellow	√
Color	9219 Winter White Roof	√
Construction	Perforated Headliner Full Length with Sound Insulation full length	√
Construction	14 gauge roof bows one piece construction, floor line to floor line	√
Construction	20 gauge skirt	√
Construction	One piece continuous drip rail	√
Construction	Roof seams sealed with Ruvan tape and baked to seal the topping sheets	√
Construction	Tabbed body tie down clip	√
Construction	16 gauge primed side sheets	√
Construction	3 piece hood, EASY TILT Mechanical	√
Construction	3 lbs of pressure to open hood	√
Crossing Control Arm	Air, Bumper mounted with magnetic closure. Mechanism to be in a protected location behind the bumper.	√
DEF System	DEF Tank, 12 gal, frame mounted right rail, non-locking filler door	√
Defrosters	EAWD fast idle	√
Doors	Keys, all alike	√
Doors	Air, outward opening with split pane glass	√
Doors	36" inches wide	√
Doors	32" x 78" clear opening. Common glass for both top and bottom.	√
Doors	Outside entrance door handle, 1' round forward entrance door	√

	handle and 1" round aft entrance door handle	
Drain Valve, Air Tank	Automatic, DV-2 w heater	√
Drive Shaft	Half round end yokes	√
Electrical System Battery	Maintenance-Free, (2) 12-Volt 1850CCA Total; with hold down	√
Electrical System Battery	Body mounted box with slide out tray 25.25" Wide, for Standard Batteries, Mounted Left Side Behind Front Axle Perpendicular to Frame Rail	√
Electrical System Battery	Battery Shut Off Switch, 300A Weather Resistant, In Battery Compartment	√
Electrical System Chassis	Exterior electrical access panel located under the driver window	√
Electrical System Chassis	Access to common ground in the electrical panel	√
Electrical System Wiring Body	Post Trip Inspection Monitor, Accessory Controlled, With Push Button Alarm Disable at Rear of Bus Prompts Driver to Walk to Back of Bus and Push Button	√
Electrical System Wiring Body	12V power source mounted in driver area	√
Electrical System Wiring Body	Circuit Breakers Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses	√
Electrical System Wiring Body	Magnetic disconnect Master, Ignition Operated all body circuits	√
Electrical System Wiring Body	Wiring Diagram schematic, Electrical	√
Electrical System Wiring Body	In order to facilitate a pre-trip exterior lights check, the bus shall be equipped with a dash mounted button that activates all exterior bus lights thereby allowing the driver to perform an unassisted inspection of all exterior lights.	√
Electrical System Wiring Body	Lever locking connections	√
Electrical System Wiring Body	Loom protected wiring	√
Electrical System Wiring Body	Colored coded and numbered wiring	√
Electrical System Alternator	Brush Type, 12 Volt 270 Amp. Capacity, Pad Mount	√ 325 Leece Neville alternator if ordered with AC. 200 amp without AC on bus
Emergency Equipment	5 lb. Fire extinguisher, First Aid	√

	Kit, Body Fluid Kit, 3 Safety Triangles	
Emergency Exit	Rear emergency exit required 36" x 60"	√
Emergency Exits	2 - Roof hatch Emergency Exit With Alarm	√
Emergency Exits	4 - Vertical Knock Out window according to TN state spec.	√
Emergency Exits	Rear door hinges internally mounted that include grease fittings.	√
Engine	Diesel Engine	√
Engine	In Line 6	√
	Cummins ISB	√
Engine	250 HP	√
	2400 RPM	√
	660 lb-ft torque	√
	2600RPM Governed Speed, 250 Peak HP (Max)	√
Engine	Block Heater: Engine 120 Volt/750 Watt	√
Engine	Exhaust brake With Variable Vane Turbo Charger	√
Engine	Starting Motor: Delco Remy 38MT Type 300. 12 Volt less Thermal Over-Crank Protection	√
Engine	Fan Drive Viscous Type, Screw On	√
Engine	Cruise Control Electric	√
Exhaust System	Inline, Horizontal After treatment Device Frame Mounted Right Side, Includes Long Horizontal Tail Pipe	√
Exhaust System	Exhaust cooling device to reduce temperature of exhaust prior to release	√
Fenders Front		
Fenders Rear	2 Rubber	√
Fire Suppression Systems		
Floors	Black Koroseal floor with ribbed center aisle with aluminum aisle trim.	√
Floors	5/8 Plywood Sub Floor	√
Frame	HSLA Steel 50,000 PSI	√
Frame	Tie Downs: Grade 8 bolt construction	√
Frame	Powder coated	√
Fuel System	mounted with protective cage	√
	opening in floor for inspection plate	√
Fuel System	100 Gallon Fuel Tank between the frame rails, behind the rear	√

	axle	
Fuel System	Locking fuel door, key operated	√
Fuel System	Fuel/Water Separator with filter restriction/ Change Indicator/Heated; with Water-in-Fuel Sensor.	√
Governor	Electronic engine governor	√
Handrails	Forward and aft of entrance	√
Heating System, Provisions For	Heater shut off valve	√
Hinges	Hidden hinges on emergency exits	√
Heating And Air-Conditioning	Driver Heater: 90,000 BTU	√
Heating And Air-Conditioning	Stepwell Heater: 50,000 BTU	√
Heating And Air-Conditioning	Passenger Heater LT Rear: 84,500 BTU	√
Horn	Electric (2)	√
Horn	Horn (1) above driver window; With Electric Solenoid and Switch on Panel,	√
Identification Regular	Cleveland City Schools	√
Inside Height	78" Headroom	√
Instruments/Instrument Panel	Headlight Warning Buzzer Sounds when head light switch is on and Ignition Switch is in "Off" position.	√
Instruments/Instrument Panel	Indicator, Low Coolant Level with Audible Alarm	√
Instruments/Instrument Panel	Gauge, Air Cleaner Restriction, Filter-Minder, mounted in Instrument Panel	√
Instruments/Instrument Panel	OBD Display of Fault Codes	√
Instruments/Instrument Panel	Low voltage protection indicator: visual and audible alarms notifying the driver of a low voltage occurrence.	√
Instruments/Instrument Panel	DEF Fluid level gauge	√
Insulation	1 ½ inch thick roof and side walls	√
Insulation	Engine Sound Abatement Package with Underhood Blanket and Foam covered splash shields	√
Insulation	Noise Reduction Driver Floor & Roof Bows	√
Insulation	Stepwell	√
Interior	9.375"X 6 inch certificate holder	√
Interior	Interior side panels below the window shall be constructed of galvanized steel.	√
Lamps And Signals	Exterior Light Check, pre-trip inspection	√
Lamps And Signals	Warning lights, red and amber	Not L.E.D.

Lamps And Signals	Strobe light mtd on roof with protective guard, low profile, double flash, 4.9" high	Not L.E.D.
Lamps And Signals	Flasher System, 8 warning lights, non-sequential operation	Not L.E.D.
Lamps And Signals	Marker Lights, 2 amber front & 2 red rear Amor; Side 1500 hr bulb	Not L.E.D.
Lamps And Signals	7" red stop lights and 7" clear back up lights	Not L.E.D.
Lamps And Signals	4" tail lights and license plate light	Not L.E.D.
Lamps and Signals	Dome lights mounted in light bars	√
Lamps And Signals	Replaceable Headlight Halogen bulb without the use of tools.	√
Lamps And Signals	Headlights: Halogen	√
Lamps And Signals	Daytime Running Lights: headlight operation controlled by ignition switch. System to be capable of being deactivated by applying the parking brake except when the red warning lights are active.	Not L.E.D.
Lamps and Signals	Front 7" amber arrow directional; Rear 7" Amber Arrow directional, Side rectangular directional	Not L.E.D.
Metal Treatment	Two-stage undercoating process to include complete undercoating of the bus body prior to mounting the body on the chassis for complete body coverage. After body mounting a second undercoat shall be applied for maximum corrosion and rust protection.	√
Mirrors	10" x 30" interior rearview mirror	√
Mirrors	Crossview mirrors, Heated, Black: dual for increased visibility, both mirrors shall be viewable through the wiped pattern of the windshield wipers.	√
Mounting	Huck bolts	√
Mounting	Tabbed body tie down clip every 27 inches	√
Mud flaps	Front and rear wheels, Rubber	√
Oil Filter	Spin on oil filter	√
Openings		
Overall Length	34"11	√

Overall Width		
Passenger Capacity	78	√
Public Address System	With AM/FM/MPLX radio with public address, 4 speakers, including horn mounted under step well	√
Retarder System		
Retro-Reflective Material	Reflexite V82	√
Reflectors	3" - Front, side and rear mtd with screws	√
Road Speed Control		
Rub Rails	4 black rub rails, includes snow rail	√
Rub Rails	Rivet attachment	√
Rub Rails	1 continuous piece with formed ends	√
Rub Rails	Primed on both sides	√
Seats And Restraining Barriers	Air suspended driver's seat, , High Back With Integral Headrest, Cloth, Isolated, With 2 Position Front Cushion Adjustment, 6 to 17 Degree Seat Back Adjustment, Mechanical Lumbar Support, Includes Additional Back Padding	√
Seats And Restraining Barriers	Seat belt ready seat frame where only the back needs to be changed out should the customer opt to install 3 pt seat belts at a later date.	√
Seats And Restraining Barriers	42 oz. Prevail upholstery or heavier	√
Seats And Restraining Barriers	Seat back foam to be fully encapsulated in scrim material for added reliability.	√
Seats And Restraining Barriers	Driver seat belt is to be orange in color	√
Seats And Restraining Barriers	For increased driver comfort, the all belts to seat driver's seat shall be a six way adjustable, high back design with cloth insert, adjustable lumbar support with integrated 3 point, orange shoulder belt.	√
Seats And Restraining Barriers	Right side arm rest	√
Seats And Restraining Barriers	Seat belt cutter	√
Seats And Restraining Barriers	Aft entry door and aft driver 39" crash barrier	√
Shock Absorbers	Front and Rear	√
Side Skirts	16 gauge side skirt with smooth panel appearance, primed on both sides	√

Speakers	(8) total for PA system	√
Starter Motor	12 Volt, less Thermal Over-Crank	√
Steering Gear	Power, Sheppard M-100	√
Steering Gear	Steering shaft U joints shall be serviceable with grease fittings.	√
Steering Wheel	Entrance door open/close switches and 8 lamp actuation switches located on the steering wheel	√
Steering Wheel	Tilting	√
Steering Wheel	Maximum of 18 inches in diameter	√
Steps	Three step design constructed of 14 gauge galvanized steel, painted black for protection, welded and sealed to the main floor structure.	√
Steps	The stepwell shall remain its full width with no taper from the bottom step to the top step	√
Steps	Stepwell light wired to dome light, operated by entrance door	√ LED Light
Step Treads	Koroseal pebble top covering with no metal backing and white safety edge.	√
Stirrup Steps	2, one on each side	√
Stop Signal Arm	Front and Rear, Air operated, LED strobe lights	√
Storage Compartment		
Sun Shield	6"X30" Transparent , interior visor	√
Suspension Systems	10,000 lb capacity single spring taper leaf	√
Suspension Systems	21,000 lb capacity, Rear Suspension: air single	√
Suspension Systems	9.25" ride height	√
Suspension Systems	With shock absorbers	√
Switch	Noise Suppression	√
Switch	Left of driver, 3 position door control with red override	√
Throttle		
Tires And Rims	Wheels Front Disc: 22.5, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs	√
Tires And Rims	Wheels Rear Dual Disc 22.5, 2-Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs	√
Tires And Rims	Goodyear brand tires; 11R22.5,	√

	16 ply	
Towing Attachment Points	2 Rear Tow Hooks	√
Towing Attachment Points	2 Front Tow Hooks	√
Traction Assisting Devices		
Transmission	Automatic for School Bus	√
Transmission	Allison 2500_PTS	√
Transmission	5 speed with overdrive	√
Transmission	Transmission Oil Synthetic	√
Transmission	Gauge, Oil Temperature	√
Trash Container		
Turning Radius		
Undercoating	Floor, stepwell, and side undercoating for engine noise reduction	√
Undercoating	Fire resistant, water based undercoating preformed in two step process before and after mounting	√
Ventilation	Two 6 ½ inch auxiliary fans, one Mounted Left of Center Post, 2-Speed Switch in Panel and one Mounted Over Windshield, 15" Right of Centerline, 2-Speed Switch in Panel	√
Ventilation	Static roof vent	√
Wheel-Housing	WHEEL SEALS, FRONT Oil-Lubricated Wheel Bearings	√
Windows	12" opening, pass tint 28% Light, Laminated Glass	√
Windows	Passenger window frames natural aluminum finish	√
Windshield	Three piece flat roped in windshield that can be replaced without special tools, training or extended curing times.	√
Windshield Wipers	Equal length windshield wipers (23") for both left and right side to reduce parts required on hand	√
Windshield Wipers	6 qt. capacity windshield washer fluid bottle.	√
Windshield Wipers	Wet arm wipers working in overlapping opposing motion for maximum coverage.	√
Windshield Wipers	5 speed automotive type integrated into turn signal column,	√
Windshield Wipers	Full low beam headlights and taillights shall automatically activate upon windshield wiper activation.	√

