



PRESTON PUBLIC SCHOOLS

Bid Solicitation

School Transportation Vehicles

March 19, 2018 11:00 AM



PRESTON PUBLIC SCHOOLS
1 Route 164
Preston, Connecticut 06365

NOTICE TO BIDDERS

The Preston Board of Education (also referred to as Preston Public Schools) hereby invites the submission of sealed bids from qualified school bus manufacturers and dealers for the purchase of four school transportation vehicles.

Three Type I 71-passenger school buses
One Type II 20-passenger wheel/chair lift

Buses must meet all Federal and Connecticut DMV requirements and be delivered with valid inspection stickers affixed to windshields on or before September 30, 2018.

Bid forms, specifications, and any addenda may be obtained at the Preston Public Schools' Business Office 1 Route 164, Preston, CT 06365 where bids will be received until 11:00 AM on March 19, 2018 and at which time they will be publicly opened and read aloud. Interested bidders may send questions by email prior to March 9, 2018 to spangj@prestonschools.org.

Bids must remain firm for a period of 90 days following the date of the opening, and shall thereafter remain firm until the bidder provides written notice to the Preston Public Schools that the bid has been withdrawn. The successful bidder will expect and accept payment up to 45 days following delivery of the vehicles.

The Preston Public Schools reserves the right to waive any technical defects in bids, to reject any or all bids, and to make such awards, that in its judgment will be in the best interest of the Preston Public Schools even if such bid is not the low bid. The Preston Public Schools reserves the right to discuss the vehicles being bid with one or more bidders to make any modifications that are necessary based on these discussions as the Preston Public School deems to be in its best interest.

PRESTON PUBLIC SCHOOLS
PRESTON, CONNECTICUT

INSTRUCTIONS TO BIDDERS

1. Inspect carefully all general and special provisions of this document.
2. Be sure to sign in all required places, and initial each page where indicated. If no bid is being submitted on one or more of the requested bid alternates, please so indicate in each space by entering "No Bid" wherever a price is indicated. All spaces must be completed with either a bid amount or "No Bid" designated.
3. Submit three (3) copies of your bid. All materials submitted to Preston Public Schools Director of Finance and School Business Operations, pursuant to this solicitation, become property of Preston Public Schools and will not be returned to the bidder.
4. Bids must be presented in a sealed envelope and addressed as follows:

Preston Board of Education
Director of Finance and School Business Operations
1 Route 164
Preston, CT 06365

5. Bids will remain firm for a period of 90 days following the date of the opening, and shall thereafter remain firm until the Bidder provides written notice to Preston Public Schools' Director of Finance and School Business Operations that the Bid has been withdrawn.
6. Bids will be received until 11:00 AM on March 19, 2018 at Preston Plains Middle School, Business Office, 1 Route 164, Preston, CT 06365 at which time and place all proposals will be publicly opened.
7. The Preston Public Schools will reject any late submissions, and is not responsible for notifying the bidder of any missing elements of the proposal. Bidders are also encouraged to include additional information about their company that will assist the Preston Public Schools in the review of bids especially as it relates to the location for any warranty work required.

PROPOSAL PROCEDURES AND REQUIREMENTS

All proposals must be submitted on and in accordance with forms provided with this document. All bids must include, as a minimum, the required information as detailed in these documents.

1. Where so indicated by the makeup of the Bid Forms, sums shall be expressed in clearly written (ink only) or typed figures. Pencil will not be accepted. Any corrections or changes on the submission forms made by the bidder should be initialed by the bidder, and must be clear and readable. Preston Public Schools reserves the right to interpret figures where lack of clarity of submission requires such action.
2. A bid shall include the legal name of bidder and shall be signed by the person or persons legally authorized to bind the bidder. All required signatures shall be handwritten in ink with the full name of the person executing same. Bidders must be authorized to do business in the State of Connecticut.
3. No alteration, erasure, or addition is to be made in the typewritten or printed matter. Any deviations from the conditions and specifications may constitute sufficient grounds for rejection of proposal.
4. Prices and information required, except signature of bidder should be typewritten for legibility. Illegible or vague bids may be rejected. All signatures must be written. Facsimile, printed, or typewritten signatures are not acceptable.
5. All bids received after the time stated in the Notice of Bidders will not be considered and the Board will be returned unopened.

PROPOSER'S CERTIFICATION, REPRESENTATIONS, AND QUALIFICATIONS

1. Under penalty of perjury the bidder certifies that:
 - a) The bid has been arrived at by the bidder independently and has been submitted without collusion with any other vendors of services, materials, supplies, or equipment of the type described in the Request for Bids, and
 - b) The contents of the bid have not been communicated by the bidder, nor to its best knowledge and belief, by any of its employees or agents, to any person not an employee or agent of the Bidder.
 - c) Bidder agrees that payment will be made no later than 45 days following delivery of the vehicle to the Preston Public Schools

INTERPRETATION OF BID DOCUMENTS

Questions can be submitted by email only to spangj@prestonschools.org on or before March 9, 2018. Answers will be posted on the district web site. Any supplemental instructions or addendum will also be posted on the district web site. Failure of any Bidder to receive any such addendum or interpretation shall not relieve any Bidder from any obligations under his/her bid submitted. .

Bid Form
March 19, 2018

Base Bid

School Transportation Vehicle

Price per bus

Three (3) Type I Busses - 71-passenger

\$ _____

One (1) Type II W/C Lift - better than or equal to Collins 20-passenger

\$ _____

Company Name _____

Signature _____

Name (print) _____

Bid Form
March 19, 2018

Alternate A Trade-Ins

School Transportation Vehicle Price per bus

Three (3) Type I Busses - 71-passenger \$ _____

Less Trade-Ins VINs 4DRBUAAP26B167936, Bus 3 \$ _____
 4DRBUAAP86B167939 Bus 6
 4DRBUAAPX6B167943 Bus 10

Net Sale Price to Preston \$ _____

One (1) Type II W/C Lift - better than or equal to Collins 20-passenger \$ _____

Less Trade-Ins Preston Bus #22 VIN 1FDXE45P45HA50675 \$ _____

Net Sale Price to Preston \$ _____

Company Name _____

Signature _____

Name (print) _____

Company Name _____

Bid Form
March 19, 2018

Alternate B 65-Passenger

School Transportation Vehicle

Price per bus

Three (3) Type I Busses - 65-passenger

\$ _____

One (1) Type II W/C Lift - better than or equal to Collins 20-passenger

\$ _____

Company Name _____

Signature _____

Name (print) _____

Bid Form
March 19, 2018

Alternate C 65- Passenger with Trade-Ins

School Transportation Vehicle	Price per bus
Three (3) Type I Busses - 65-passenger	\$ _____
<i>Less Trade-Ins VINs</i> 4DRBUAAP26B167936, Bus 3	\$ _____
4DRBUAAP86B167939 Bus 6	
4DRBUAAPX6B167943 Bus 10	
Net Sale Price to Preston	\$ _____
One (1) Type II W/C Lift - better than or equal to Collins 20-passenger	\$ _____
<i>Less Trade-Ins Preston Bus #22 VIN</i> 1FDXE45P45HA50675	\$ _____
Net Sale Price to Preston	\$ _____

Company Name _____

Signature _____

Name (print) _____

Bid Form
March 19, 2018

Alternate D 35-Passenger w track seating for w/c

School Transportation Vehicle

Price per bus

One (1) Type I with optional track seating and W/C lift - 35-passenger

\$ _____

Company Name _____

Signature _____

Name (print) _____

**Surplus Type I and Type II
March 2018**

As Of
Nov 13, 2017

Delivery Date	Bus No.	Plate #	Vin #	Body MFR.	Chassis MFR	Model	Engine	Capacity	Year	Current Mileage
02/16/05	3	46A87	4DRBUAAP26B167936	IC	INT	CE300	DT466BB	65	2006	191,618
02/22/05	6	46A93	4DRBUAAP86B167939	IC	INT	CE300	DT466BB	65	2006	191,686
02/22/05	10	46A01	4DRBUAAPX6B167943	IC	INT	CE300	DT466BB	65	2006	148,512
02/18/05	22	46A94	1FDXE45P45HA50675	US BUS	FORD	E450	6.0 L	23	2005	162,818

Preston Public Schools Bus Specifications

**Better than or equal to Type I 71-passenger Model Year 2018
as follows:**

STANDARD OPTIONS:

1. LATCH, LOCKING, DOOR BATTERY CMPT.
2. STEPWELL, NATL STDS, 1990
3. RETAINER REAR EMERG DOOR
4. PLYWOOD FLOOR SCREWED DOWN
5. WEAR PLATE, ENT DR, RUBBER, WHITE NOSE
6. INSULATION, BODY, FIBERGLASS
7. HEADLINING, SOLID, DRVS ALL ACOUSTIC
8. EMERGENCY DOOR ARROWS
9. DAYTIME RUN GGTS, W/ P/ BRAKE DEACTIVATE
10. DOOR SWITCH, STEPWELL LIGHT
11. EXTERIOR SOLID NSBY
12. PANEL, SIDE, 20GA FLUTED, 16 ¼ SKIRT
13. GALVALUME I/S PNL, FULL HEM, TEXTURIZED
14. VISOR, ACRYLIC, LEFT SIDE ADJUSTABLE
15. 4PC FLAT SHADED W/S
16. COVER FOR EMERGENCY DOOR SWITCH
17. ACCESSORY POWER SOCKET W/ CAP
18. HOSE HTR, EPD W/ STD CLAMPS
19. LIGHTS, CL/MK, LED, 2 AMBER, 2 RED
20. LIGHTS, ID, GROMMET MOUNT, LED
21. LIGHT, MKR, LED, INTERMEDIATE
22. PRE-TRIP EXTERIOR LIGHT TEST
23. LIGHTS, DOME, 15 CANDLEPOWER
24. DOME, SINGLE SWITCH CONTROL
25. FLASHER, W/L SYSTEM, I-O CONTROLS
26. HOODS, WARNING LIGHTS, DUAL
27. SWITCH, W/L MASTER, LOC, LH
28. SWITCH, W/L START, LOC LH
29. LIGHTS, PILOT, W/L SYSTEM, LOC, LH
30. CONTROLS, CONFIG, W/L, OPT #3, 8-LGT, LH
31. SWITCH, W/L, MASTER, GREEN PILOT
32. SWITCH, W/L START MANUAL
33. INDICATOR, W/L SYSTEM, AMBER/ RED
34. LOCATION, STOP ARM, FRONT
35. WIRING, W/L SYSTEM, 14 GA

36. LIGHT, SWITCH PANEL, CHASSIS CTRL
37. PAINT, CHASSIS, GRILLE, YELLOW, BBCV
38. PAINT, INTERIOR, ASTRO WHITE
39. VINYL, REFL, RR EMER DR YELLOW, 3M
40. MIRROR, REARVIEW, INT 6X30
41. MIRROR, EXT, OPEN VIEW, SPLIT SYSTEM
42. MIRROR BRACKETS, C/VIEW, BELL MOUNT
43. MIRROR, CROSSVIEW, EYE-MAX LP
44. 3" REFLECT, FRONT, INT & REAR, 3M DIA GRADE
45. PAD, CUSHION, SEAT, REBOND
46. UPH, GRAY, PEBBLE TOP TEXTURE, SEATS
47. UPH, GRAY, PEBBLE TOP TEXTURE, BARRIER
48. LATCH, LOCKABLE, ACCESS DOOR
49. BODY CONTRUCTION FM/CMVSS 221
50. DOOR, ENTRANCE, OUTWARD OPENING
51. DOOR, EMERGENCY, REAR, 2 WINDOW
52. COVERING, FLOOR, RUBBER, BLACK
53. TRIM, AISLE, ALUMINUM
54. HANDRAIL, ENT DR BARRIER 3.25 – 5.25
55. LIGHT , STEPWELL, 15 CANDLE POWER
56. STEPTREADS, ENT DR, N/ABR, WHITE NOSING
57. MARKER LGT CONTROL, STEPWELL LGT
58. GLASS, ENT DR, LOWER, CLR, TEMP
59. GLASS, ENT DR, UPPER TEMPERED
60. BUZZER, REAR EMERG DOOR
61. AXLE, STEER, HENDRICKSON NXT, 12000 LB
62. LUBRICATION, OIL, PETROLEUM, AXLE
63. BUMPER, REAR, STEEL
64. BUMPER, FRONT, STEEL 15IN
65. COLUMN, STEER, TILT/TELESCOPE, DOUG AUTOTEC
66. CRUISE CONTROL
67. HOSE, COOL, RUBBER, PERM, W/CONST TENS CLMP
68. FLUID, TRANSMISSION, SYNTHETIC
69. ALTERNATOR, LEECE-NEVILLE, 240 AMP, AVI 160
70. BATTERY COMPARTMENT, SLIDER TRAY, CHAS MTD
71. BATTERIES, GROUP 31, THREE
72. GOVERNOR, ROAD SPEED, 75 MPH
73. ENGINE, CUM ISB13, DSL, 200HP@520LB-FT, 2016
74. EXHAUST, PRIMARY, NON- FLEX, SCR, CUMMINS
75. FILTER, WIF, HEATED, ISB
76. FUEL SYSTEM, DSL, 60 GAL BFR RH FILL
77. GAUGE, SPEEDOMETER, MILES
78. BALANCE FRONT WHEEL
79. TRANS, ALLISON, 2500PTS 5 SPD
80. WHEELS, STEEL, 8.25X22.5 DSC, HUB-PILO
81. FUEL SENSE, ALLISON TCM PROGRAMMING

CHASSIS:

1. SUSP, AIR, FRT, HENDR, AIRTEK 10000
2. SUSPENSION, AIR, REAR, HENDRICKSON, 23K
3. AXLE, REAR, 23K LBS, 5.29
4. DUST SHIELDS, BRAKE, FRT/RR
5. ADJ, SLK, AUTO, MERITOR
6. HYDRAULIC BRAKES
7. LIFTING REINFORCEMENT, BUMPER
8. BUMPER, EXTENDED, 2 IN, REAR
9. GUARD, DRIVE LINE, 1 PER SHAFT, 2 BR
10. TORQUE MGNT, ISB ENG 40179-21,23
11. HEATER, ENGINE BLOCK, INTERNAL, 750W
12. 2013 EMISSIONS ENGINE
13. TAILPIPE, STAINLESS STEEL, THROUGH BUMPER
14. GAUGE, AMMETER, FRONT
15. TIRES, MICH, 11R22, 5H XZE2&XDEM+S LRH
16. TOW EYES, FRONT
17. TOW EYES, REAR
18. WHEEL WEIGHTS, ZINC

BODY:

1. FUEL TANK DOOR, NON-SPRING LOADED, LOCKING
2. FLOOR, PLYWOOD, 5/8 BB, MARINE GRADE
3. INSULATION, BODY, FIBERGLASS, ADDITIONAL
4. INSULATED DRIVERS AREA, FIREWALL
5. EXTENDED SEAT RAIL
6. GRIP HANDLES
7. STEP, COWL, FOLDING
8. 77IN HEADROOM CONVENTIONAL
9. WDO CHANNEL STOP 5IN OPEN
10. VENT, TRANSPEC, STANDARD
11. HEATER, 50K, FRT STEPWELL AREA
12. MONITOR, UNIV., EXTERIOR LT, DORAN
13. CONTROL ARM, CROSSING, AIR, POLY
14. S/ARM, AIR, H/I REFL, LED CLUSTER
15. INSULATION, ENTRANCE DOOR HEADER
16. BLOCKS, CHOCK
17. BFK, MULTI-STATE
18. HOLDER, CERTIFICATE, 7-5/8 X 9-1/4
19. CERTIFICATION, 4- WHEEL ALIGNMENT
20. ARMREST, RH, DRIVER, SEAT, NATIONAL
21. DASH, GLOVE BOX

22. CONSOLE MOUNT, ARM REST
23. STEPWELL, STAIN STEEL, SEVERE DUTY
24. DOOR CONTROL, AIR PWR, LATCH SW, 3-POS
25. GLASS, RR EMER DR, LWR, DK TINT, TEMP
26. GLASS, RR EMER DR, UPR, DK TINT, TEMP
27. GLASS, REAR VISION, DK TINT, TEMP
28. WINDOW, S/S, P/O, 12", TEMP, TINT
29. WDO ASSY, DRV, GREEN TINT, LAM
30. WINDOW, S/S, 12", TEMP, TINT

ELECTRICAL:

1. WIRING, VENT, ROOF HATCH, BUZZER
2. SWITCH, NOISE SUPPRESSION, LATCHING
3. LIGHTS, DIRECTIONAL, RR, AMBER LED
4. LGT, DIR/MKR,SIDE,LED,FRT,BELT,W/SHIELD
5. LGT, DIR/MKR,SIDE,LED,RR,BELT,W/SHIELD
6. LGTS, DIR, FRT AMBER FENDER MNT, LED
7. WIRING, DIR, SIDE, FRONT, BELTLINE
8. WIRING, DIR SIDE, REAR, BELTLINE
9. LIGHT, 1 DOME, DRIVERS, SEPARATE SW
10. LIGHT, RED, OVER R.E.D. OR R.E.W., LED
11. LIGHT, 4" LED STOP/TAIL, VANDAL RESIST
12. LIGHT, 7" STOP/TAIL, LED
13. LIGHT, 4" BACKUP, LED, VANDAL RESIST
14. SYSTEM, WARN, 8-LGT, N/SEQ
15. LIGHT , WARN, LED, 8- LGT, AMB/RED
16. SEQUENCE, W/L SYSTEM, NON-SEQUENTIAL
17. SWITCH, STOP/CROSS CANCEL, LOC, LH
18. SWITCH, DOOR CONTROL, LOC, RH
19. SWITCH, W/L SYS, CANCEL,CROSS ARM
20. LIGHT, BOARDING, ENTRANCE DOOR, LED
21. RADIO, AM/FM/USB/MP3 W/PA
22. SPEAKER, DLX, 8 SPKR SYS W/ WIRING
23. REMOTE MIC, DRIVER CONTROLLED
24. SPEAKER, O/S , UNDER HOOD W/ WIRING
25. WRG, 2-WAY RADIO, CTR DASH MNT (07829)
26. WIRING, CROSSING ARM, ENT DOOR CONT
27. WIRING, S/ARM, AIR W/ INDEP FL SHR
28. HORN, BACKING SAFETY, 112 DB
29. CIRCUIT PROTECTION, BREAKERS, MANUAL RESET
30. BUZZER, MID SEC, PO/O WINDOW
31. WIRING, P/O WINDOW, DRS BUZ ONLY
32. SWITCH, IGNITION, KEYED ALIKE

PAINT:

1. PAINT DESIGN, WHITE ROOF, 6 IN

2. PAINT HOOD LETERLESS BLACK
3. UNDERCOAT, MODIFIED WAX, PREMIUM
4. LETTERING, EMERGENCY EXIT, ABOVE EXIT
5. LETTERING EMERGENCY DOOR, ABOVE EXIT
6. LETTERING, EMERGENCY, INTERIOR, VINYL, BLACK
7. LETTERING, EMERGENCY, EXTERIOR, VINYL, BLACK
8. PAINT, RUBRAILS ONLY, FULL WIDTH BLACK
9. PAINT BACKGROUND, WARN LGT, 3" BLACK
10. VINYL, REFL, ROOF HATCH, YELLOW, 3M
11. VINYL, REFL, P/O WINDOW YELLOW, 3M
12. VINYL, REFL, SB SIGN FRT YELLOW, 3M
13. VINYL, REFL, SB SIGN RR YELLOW, 3M
14. VINYL, REFL, 2IN SIDE YELLOW, 3M
15. VINYL, REFL, 1.75 IN RR YELLOW, 3M
16. DELETE REAR BUMPER NAMEPLATE

SEATS:

1. SEAT, 39, SIMT LD, SEAT BELT READY HBK
2. SEAT, 26 REAR, SIMT LD, SEAT BELT READY HBK
3. SEAT, 39, REAR, SIMT LD SEAT BELT READY HBK
4. SEAT BELT, DRV 3PT, SINGLE, RETRACT, ORANGE
5. PANEL, MODESTY, BARRIER, ENT DOOR
6. D/ SEAT, NATIONAL, PERM, AIR, MORD, CHAR
7. CUTTER, SEAT BELT, TIE-TECH
8. BARRIER, 39 INCH HIGH BACK
9. HANDRAIL, STPWL, LOWER 1.00 REAR
10. SEAT, CEW, CR, SL, 39, GM, FM
11. MODULE, SEAT BELT, CEW, CR, BLACK
12. MODULE, SEAT, CEW, COLOR, GRAY
13. MODULE, BOARD, SEAT, CEW, 7/16" OSB
14. COMPARTMENT, DOCUMENT, BARRIER MTD
15. FIRST TWO ROWS ARE PRE-K HARNESSSES

ACCESSORIES:

1. EMERGENCY EQUIPMENT CMPT, UPR FRONT
2. FLAPS FRONT RUBBER
3. FLAPS REAR WITH BBLOGO
4. FE5 LB DRY W/HOSE (DRIVERS CPT)
5. TRIANGULAR WARNING DEVICE FLOOR
6. AIR HORNS
7. FAK, CONNECTICUT
8. HOLDER, CUP
9. LEFT SIDE DRIVER OVERHEAD COMPARTMENT
10. RIGHT GLOVE BOX
11. PEDAL ADJUSTOR – ACCELERATOR AND BRAKE
12. ENTRANCE STEP DE-ICE

INTERIOR:

1. FORWARD GRABRAIL
2. FAN, AUXILIARY, UPPER LEFT, 6"
3. FAN, AUXILIARY, UPPER CENTER, 6"
4. HEATING SYS, CONVECT, 3201/3303/3310/3507

EXTERIOR:

1. FENDERS REAR RUBBER
2. WIPER BLADES ALL WEATHER, 18IN
3. HEATED MIRROR, EXT, HI MNT
4. MIRROR BRACKETS, RRVIEW, SS
5. MIRROR BRACKERS, C/ VIEW, SS

Preston Public Schools Bus Specifications

Better than or equal to Type II Wheelchair/Lift Collins 20-passenger and 1 W/C. Track capacity for 6 wheelchairs and better than or equal to Chevy chassis.

A current Connecticut DMV inspection sticker must be affixed to the windshield upon delivery.

ITEM*****	QTY	DESCRIPTION*****
Note	1	WINDOW STOPS SET AT 9"
AISLE	1	30" AISLEWAY REQ TO EMG DRS FR
****	1	ANY WC POSITION
WHEELCHAIR	1	MIN CLEAR FL AREA 30"X53"
*****	1	FOR EA SECUREMENT SYSTEM
COL-20160118	1	PRICE SCHEDULE COL 01/18/16
100-1-21-12	1	Spec, FMVSS "School Bus" >10,000# GVWR, driver plus 10 or more passengers (wheelchair positions counted as 4 passengers), may be used to transport students to or from school.
110-DE516WR-15	1	Core components, DRW high headroom elevated floor model 5 section +16" wheelchair rear door. Flat floor (no wheelwells), 76" interior headroom, 25"X82" entrance door, 96" overall width, all-galvanized-steel construction, 2014.
12116E5G14Y213	1	Chassis Ford-US/2016/DRW 158 E450/5.4L Gas/14000/Yellow/AC/Tilt/No Cruise/Drivers Seat Standard/ALT. STD/NO RADIO/Standard Differential/White Wheels/Black Bumper/Fast Idle/No Block Heater/No Spare Tire/No Speed Governor/Standard Battery
200-110330-12	1	A/C 30K ACT, Chassis radiator mount condenser, dash evaporator, rear EV20 inwall ACT evaporator for Ford gas.
210-21-00-12	1	Battery tie-in for Ford gas units with no battery box.
230-201-15	1	Bumper 10" x 3/16 galvanized steel channel DRW, wrap around extending forward at least 12" w/protecting end caps, with relief hole for exhaust pipe to pass thru.
233-200-13	1	Bumper Brace to attach to frame side, DE/DH 416/516 models, all Gas and Diesel exhaust systems.
236-2100-12	1	Fuel system protection and preparation for Ford gas standard or elevated floor 138"/158"WB DRW
238-2-516-1-12	1	PARTS REQUIRED TO BUILD SPECIFIC BODY MODEL ON SPECIFIC CHASSIS BRAND (FORD ELEV 516WR)
240-03-12	1	Tow eyes rear only, installed on chassis frame
240-31-12	1	Windshield Gradient Tint Top Of Windshield Ford
240-59-14	1	Fuel sending unit access cover, black diamond tread plate recessed into rubber floor to provide inspection access to fuel sending unit.
250-311-12	1	Door, entrance, black aluminum frame with full-length tempered AS2 glass for DE units
260-2-12	1	Door entrance control, manual with positive over-center locking handle in both open and closed positions, for glass doors, driver control panel mounted on post above handle.
265-212-13	1	Rear egress door, RH (curbside) hinge, aluminum construction, select glass rear door upper/lower separately.

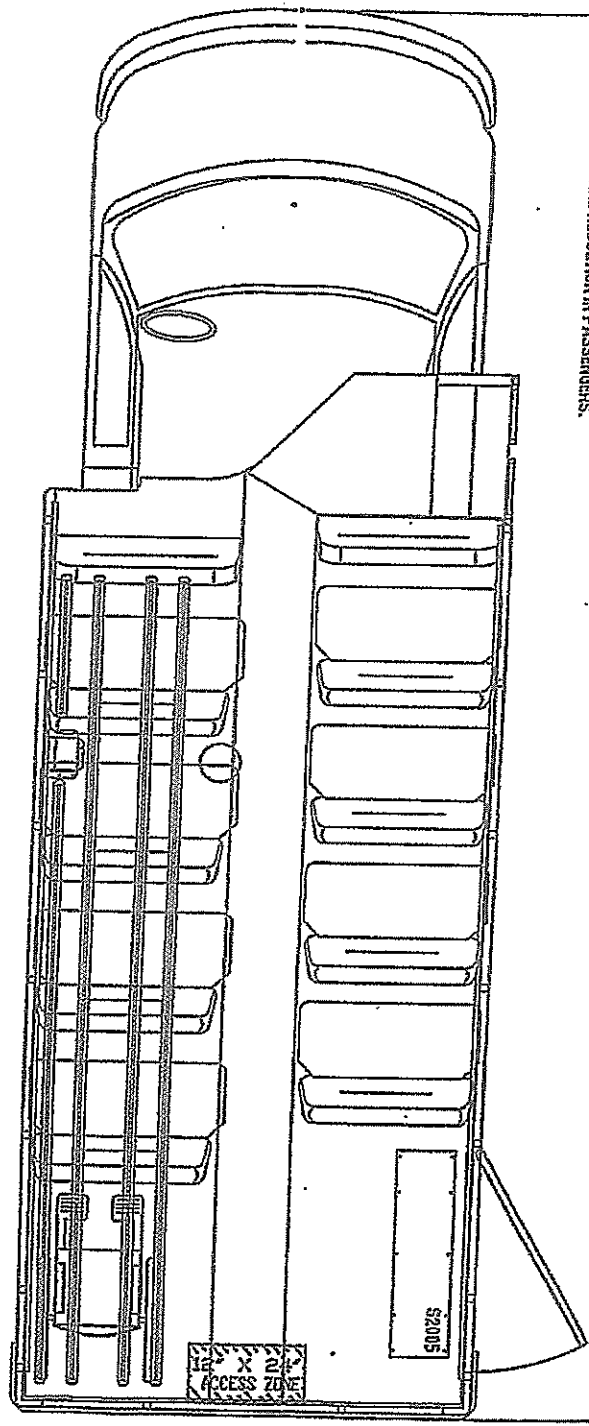
270-01-12	1	Rear door hinge continuous stainless steel
280-10-13	1	Rear Door Latch single latch at center of door, with interior red handle and exterior web style non-nitching handle.
290-211-13	1	Door for wheelchair lift, single leaf 44"W X 65"H with forward hinge, includes gas spring as hold-open.
294-12-12	1	Core electrical items for Ford School buses except Transit. Includes Elect. Board, switch panel, buzzer, domes, step lights, and main harness
300-02-12	1	16 Lamp monitor system for 16-light system and rear lights, mounted above driver on front interior skin.
300-21-12	1	Light, red over rear emergency door on the interior of bus that is illuminated when the headlights are turned on.
300-51-12	1	Backup-alarm 112dBA that is activated upon placing the bus in reverse gear, wired through the ignition.
320-516-212-12	1	Ford 500/516 exhaust thru/under the rear bumper gasoline
330-104-12	1	Endcaps fiberglass front and rear exterior for use with school bus warning lights on DE units
332-223-14	1	Exterior steel rear comer skins left and right, driprail and below emergency exit rear door for DE units
334-516-21-12	1	Exterior aluminum left and right roof skins for DRW 516 (5section+16) units
336-516-412-14	1	Exterior steel left and right side skins, behind and above driver skins, and below wheelchair lift for DE 516 (5section+16) WR units
338-2516-22-14	1	Skirts, steel below body panels for elev floor DE516
339-222-20-14	1	Storage/Battery Box, steel skirt
340-03-12	1	Mud Flaps Rear GX
345-22-12	1	Entrance step drivers side, Ford, black powder coated steel diamond tread, includes flat mud flap on passenger side.
350-516-21-1-12	1	Flooring black rubber, 1/8" smooth rubber under seats, 3/16" ribbed center aisle rubber 15" wide.
355-02-11-12	1	Flooring step treads, DRW standard and elevated floor models, black ribbed tread with integral white ribbed nosing.
360-516-22-12	1	Plywood subfloor for GX6 units, 5/8" thick, marine grade
370-441-12	1	Floor track for DE516WR-Ford units, L-series 4 rows of track for left hand seat/wheelchair mounting.
400-12-12	1	Heater 60K wall mount located in right rear corner of bus behind W/C lift of Ford units, for gas engines, includes 2 shutoff valves, BLEEDER VALVE
410-01-12	1	Heater hose insulation wrapped around hose running under the bus.
420-516-23-14	1	Interior panels below window, embossed aluminum, elevated floor 516 wheelchair lift units.
422-031-15	1	Interior Panels Rear Wall DRW with Exit Door, with AC cutout.
430-516-101-13	1	Interior panels upper, perforated noise suppression ceiling, aluminum, painted white for DRW 516 units.
440-01-12	1	Grabrail 42" long 1 1/4 dia. stainless, mounted left of entry on RH barrier, designed to prevent entanglement (Passes NHSTA string and nut test)
440-03-12	1	Mirror interior clear view back bonded glass, rounded corners and protected edges, 6 x 16 flat. Installed above drivers head on front bulkhead. Interior mirror providing the driver a clear view of interior and rear exit door.
440-08-12	1	Window Split Sash Opening 5" Limit With Stop Placed in Track (Specify Other Dimension Required)
440-21-12	1	Vandal lock, permits manual lock of rear emergency door from inside while bus not in use, with buzzer. Engine will not start until lock is disengaged, warning buzzer will activate to alert driver lock is engaged.
440-90-12	1	Insulation in roof bow cavities and side wall cavities
450-01-12	1	Brake/tail lights LED with separate license plate light, (2) 4" flush mount
460-01-12	1	Brake/tail lights, 2- 7" Incandescent
470-01-12	1	Clearance lights LED type; row of three red lights on rear of bus and single reds on left & right rear, row of three amber lights on front of bus with single ambers on left and right front sides. Lights are low profile grommet mount.

472-01-12	1	Four dome lights are powered through the ignition, will only function when ignition is turned on and dome light switch is on.
474-01-12	1	Drivers dome light tied to OEM drivers door open circuit, comes on when drivers door is open, will time itself out when door is shut.
480-04-12	1	Lamps, turn signal amber with internal arrow lens, rear 7" incandescent
490-01-12	1	Lamps, backup white (2) 4" flush mount LED
494-03-12	1	Lights, stepwell lights are illuminated by a DOD operated switch so as to light only when the headlights and clearance lights are on and the DOD is open.
510-02-12	1	Warning lights, four red & four amber halogen 7"
520-02-1-12	1	Warning light system, 8 light, non-sequential, wired through ignition, Master switch, Warning Start switch.
530-02-12	1	Visors 8-Light Warning Lights
540-05-12	1	Lights, turn signal, amber LED 2" below side bodyrail and behind entrance doors. Mount with armor.
555-03-12	1	Dimmer switch for electrical control box lighted switches.
565-22-1010-12	1	Manual Heated Rearview and Crossview mirror system w/ black bracketry for Ford DRW buses. ROSCO AccuStyle 8"x15" dual Rearview mirror incl. 7"x9.5" flat and 7"x4" convex mirror glass, with Heated EyeMax LP Crossview mirrors.
580-06-202-12	1	Headknockers to comply with FMVSS 222; foam pads covered with gray fire block upholstery.
590-05-202-12	1	Padding, shoulder 4" tall that runs under the windows; foam pad covered with gray fire block upholstery.
590-11-202-12	1	Pad over driver door covered with gray fire block upholstery.
600-22-002-15	1	Paint body exterior yellow, Ford DH/DE buses.
620-05-998-12	1	Paint engine hood flat black
620-06-999-12	1	Paint Wheels Black (Outer only, does not include inner duals or spare.)
620-31-13	1	Paint scheme with black borders around warning lights and black extending the full width of front and rear caps (except SL, SH units around lights only). Endcap areas around black gelcoat regions are painted body color.
630-24-3-14	1	Radio AM/FM/Bluetooth/Aux/clock, includes antenna and four speakers, For Ford units.
650-51623999-12	1	Rubrails, floor level side rubrails that wrap around the rear of the bus to the emergency door, 4.6" tall X 16 ga steel.-BLACK
652-51623999-12	1	Rubrails, seat level side rubrails that wrap around the rear of the bus to the emergency door. Incl. sep. seat level rail for single lift door, 4.6" tall X 16 ga steel.-BLK
654-51623999-12	1	Rubrails, window level side rubrails that wrap around the rear of the bus to the emergency door. Incl. sep. window level rail for single lift door, 4.6" tall X 16 ga steel.-BLK
656-51600999-12	1	Skirt level rubrails, for use with 516 models, skirt panels accommodate battery box - BLACK
660-12-12	1	Triangle warning reflectors (set of three).
690-3-01-39-201	1	Barrier, 39" left hand high back with medium gray vinyl upholstery, leg at 27" position.
691-3-12	1	Barrier spacing LH to B-pillar, spacing provides energy absorption zone for 3 passengers per FMVSS222, must be selected when LH front seat accommodates 3 passengers.
700-3-01-36-201	1	Barrier, 36" right hand high back with medium gray vinyl upholstery, no welting, leg at 27" position.
701-0-12	1	Barrier spacing RH to stepwell, none.
710-3-01-39-201	4	Seat, 39" left hand, three passenger with lap belts, with medium gray vinyl upholstery, no welting. Orange, gray, and red belts. Leg at 27" position.
711-26-12	4	Seat spacing LH 26in hip/knee.
720-3-01-36-201	4	Seat, 36" right hand, two passenger with lap belts, with medium gray vinyl upholstery, no welting. Orange and red belts. Leg at 27" position.
721-26-12	4	Seat spacing RH 26in hip/knee.
730-01-14	4	Seat mounting hardware floor mount seats, required for each non-track-mount seat
730-02-14	4	Seat mounting hardware for track mount seats, required for each track-mount seat
750-83-13	1	Track Above Window Left Hand Side of 8-Row Busses for Wall Side Shoulder Belts.
760-22-002-12	1	Tape, reflective two inch yellow, outline sides/rear of DH/DE units
770-01-12	1	Endcap signage "SCHOOL BUS" decals 8" high black letters with 1" stroke, includes front and rear.
780-100-12	1	Signage, identification, "Collins"

800-01-12	1	Std ext. decal 2" tall "EMERGENCY DOOR" in black/arrow in black. Std int. decal 2" tall "EMERGENCY EXIT" in black/arrow red
840-02-12	1	Stop Arm, EG Decal, WG, Incandescent Specialty 7500 - METAL
860-01-12	1	Auxiliary fan two-speed, right side over windshield.
860-04-12	1	Roof vent, static with non-closeable control grille.
870-01-001-12	1	Roof Hatch Transpec Low Profile Standard Safety Vent II Model 1975, 1" White Tape on Ext. Perimeter, Activate Buzzer when Opened w/ Ignition on, Emergency Exit Decals, Operating Instructions, Interior & Exterior Handles, Not Approved for Canada
880-06-12	1	Wheelchair lift, Braun Century NCL917IBHB-2, meets ADA and FMVSS 403/404 requirements, spring loaded rollstop, economical lightweight design, parallel arm, gravity down, interlocking restraint belt.
890-22-12	1	Interlock supplies power to lift when transmission is in park, emergency brake applied, and lift door is open. Shift lever is locked when power is supplied to lift. Lift operates when ignition is on. Has LED display panel that indicates whl
901-11-12	1	Wheelchair location "L1" LH rear row, designates location only and includes no anchors or belts.
901-12X-12	1	Wheelchair location "L2" LH second row from rear, designates location covered by seats only and includes no anchors or belts.
910-06-12	2	Wheelchair securement Q'Straint belt kit & bag with deluxe retractors for L-track.
920-12-12	1	Floodlight on lift door
920-13-12	1	Dome lights (2) over lift area, activated by door opening. (IN ADDITION TO STANDARD DOME LIGHTS.)
920-14-12	1	Light, red, for lift door, dash mounted, when lift door is ajar, non-flashing
920-17-12	1	Light, flashing red for lift door, dash mounted.
920-21-12	1	Buzzer when lift door is ajar, Ignition hot.
920-62-12	2	Decal, Universal accessibility symbol, 6" x 6". Location is the exterior of the lift door. (SPECIFY OTHER LOCATION.)
920-71-12	1	Vandal lock for the lift door, permits manual lock of lift door from inside while bus not in use. Warning buzzer will activate to alert driver lock is engaged.
925-02-15	1	Window Transition Ford glass, AS2 tempered clear glass
940-113-12	1	Window located in upper portion of lift door with AS3 32% tinted tempered glass, rubber
950-213-12	1	Windows Rear Body DH/DE with Rubber Mounted AS3 Tempered 32% Tinted Glass
960-13-12	1	Window Rear Door Lower Rubber Mounted AS3 Tempered 32% Tinted Glass
970-13-12	1	Window Rear Door Upper Rubber Mounted AS3 Tempered 32% Tinted Glass
980-213-12	9	Window Split Sash 36" with AS3 Tempered 26% Tinted Glass, providing an unobstructed 12 x 28 opening when upper sash is lowered.
982-2-100-2-12	1	Window Split Sash 36" RH and LH Vertical Egress Hinge, Release Handle, Buzzer, Interior/Exterior Signage, and Yellow Exterior Reflective Tape.
985-02-12	1	Undercoat body components, chassis components such as driveline, brake lines, wiring, exhaust system are not undercoated NJ Spec.
986-01-14	1	Warranty, standard limited body, covers body shell, structure, seat structure for 5 YR/100K MI, manufacturer's components for 2 YR/24K MI, other components 1 YR/12K MI. Excludes corrosion due to road chemicals. See warranty policy for full details.
990-01-12	1	Exhaust pipe to be flush with bumper or side (+0.25"/-0.00"), otherwise exhaust pipe extends 1" to 1.5" from bumper or body
990-02-12	1	Install OEM hub caps at factory, Chevy units only, hub caps will NOT be included if not selected.

SEATING CONFIGURATION BASED ON ENGINEERING ESTIMATES. FIRST BUILD BUS WEIGHTS MAY REQUIRE REDUCTION IN PASSENGERS.

290.23
BUMPER TO BUMPER



DE516WR

COLLINS SEATING PLAN

- 20 Passengers & 1 W/C Position(s)
- 4 37 inch SB RH Seats at 26 inch Hip to Knee
- 4 39 inch SB LH Seats at 28 inch Hip to Knee



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FORM F-7-2006 REVISION 0

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Approved By: _____ Date: _____

TITLE CHEVY DE516WR SB	DRAWN BY DATE 05/17/12	DEL. 05/17/12