

COLLEGE STATION I.S.D.  
1812 WELSH, COLLEGE STATION, TX. 77840  
(979) 764-5408 \* FAX (979) 694-5636

**PURCHASING OFFICE**

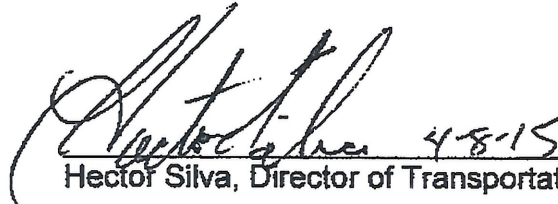
**INTER-DEPARTMENTAL MEMO**

TO: Glynn Walker  
SUBJECT: Purchase of Special Needs School Bus  
DATE: April 7, 2015

The Special Services Department has funds available to purchase a special needs school bus for the district. The Transportation Department has reviewed the models for the purchase of this bus for the district. School buses are available through the State of Texas Purchasing Cooperative administered by the Texas Comptroller of Public Accounts which College Station ISD is a member. All buses have been competitively bid and awarded by the Cooperative's Board of Trustees based on state statutes.

The attached quote was requested from Longhorn Bus Sales for a 2016 Integrated CE S (53) passenger bus with air conditioning and lift. It is the recommendation of Mark Pantel, Director of Purchasing and Hector Silva, Director of Transportation to purchase the Navistar special needs bus from Longhorn Bus sales for a total of \$94,895 per the State of Texas Purchasing CO-OP Contract #071-M1.

  
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Mark Pantel, Director of Purchasing

  
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Hector Silva, Director of Transportation



# **INTEGRATED CE S BUS**

**Sales Proposal For:  
College Station**

**Presented By:  
LONGHORN BUS SALES**

**Prepared For:**  
College Station  
Mark Pantel  
1812 Welsh  
College Station, TX 77840-  
(979)764 - 5408  
Reference ID: Cummins 250hp

**Presented By:**  
LONGHORN BUS SALES  
Arnold West  
6921 HOMESTEAD ROAD  
HOUSTON TX 77028 -  
(713)631-9306

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)**

**APPLICATION:** School Transportation, Special Needs  
**MISSION:** Requested GVWR: 21500. Calc. GVWR: 29800  
**DIMENSION:** Wheelbase: 217.00, CA: N/A, Axle to Frame: 126.00  
**ENGINE, DIESEL:** {Cummins ISB 250} EPA 10, 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:** {Meritor MFS-10-122A} I-Beam Type, 10,000-lb Capacity  
**AXLE, REAR, SINGLE:** {Dana Spicer 19060S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends Gear Ratio: 4.63  
**TIRE, FRONT:** (2) 255/70R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range H, 16 ply  
**TIRE, REAR:** (4) 255/70R22.5 G661 HSA (GOODYEAR) 566 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

**Vehicle Specifications**  
**2016 INTEGRATED CE S BUS (PB105)**

February 20, 2015

<u>Code</u>	<u>Description</u>
PB10500 1CAC	Base Chassis, Model INTEGRATED CE S BUS with 217.00 Wheelbase, N/A CA, and 126.00 Axle to Frame. 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 <u>Includes</u> : 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
1LLE	BUMPER, FRONT Full Width, Aerodynamic, Heavy Duty, Steel <u>Includes</u> : BUMPER, FRONT THICKNESS 1/4 Inch
1LNT	CROSSING GATE, FRONT Omit Item <u>Includes</u> : CROSSING GATE, FRONT Matches Contour of Bumper
1SAM 1WHT 2ASH	CROSSMEMBER, REAR, AF (2) WHEELBASE RANGE 193" (490cm) Through and Including 217" (550cm) AXLE, FRONT NON-DRIVING {Meritor MFS-10-122A} I-Beam Type, 10,000-lb Capacity <u>Includes</u> : AXLE, FRONT SQUARING to Plus or Minus .015 Inch, using a Special Fixture to Assure Parallelism of Springs
3ADB	<u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires. SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf, 10,000-lb Capacity; With Shock Absorbers <u>Includes</u> : SPRING PINS Bolt and Nut Type : SPRING PINS Rubber Bushings, Maintenance-Free
4091	<u>Notes</u> : 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 <u>Includes</u> : 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
4722	<u>Notes</u> : 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 <u>Includes</u> : DRAIN VALVE Mounted in Wet Tank
4AZA 4EBS 4ESX 4EVL	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 {Haldex} 20 SqIn BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake <u>Includes</u>



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<u>Code</u>	<u>Description</u>
	: BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
4JCG	BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers <u>Notes</u> : Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM.
4NDB	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 <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
4VCY	AIR TANK LOCATION One Mounted Left Side to Provide Clearance for Larger Body Builder Supplied Battery Box
4WEA	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.
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PRR	STEERING GEAR {TRW (Ross) TAS-66} Power
7BJV	EXHAUST SYSTEM Inline, Horizontal Aftertreatment Device Frame Mounted Right Side, Includes Long Horizontal Tail Pipe
7WBL	TAIL PIPE Long Horizontal, Exits Left Side Through Bumper
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment <u>Includes</u> : 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
8541	HORN, ELECTRIC (2) Disc Style
8GWY	ALTERNATOR {Leece-Neville 14931PAH} Brush Type, 12 Volt 320 Amp. Capacity, Pad Mount
8MKL	BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total
8TTK	BATTERY BOX Steel, With Sliding Tray, 25.25" Wide, for Standard Batteries, Mounted Left Side Behind Front Axle Perpendicular to Frame Rail
8WPB	HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8WXB	HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9WAB	HOOD TILT ASSIST {EASY TILT} Mechanical
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction <u>Includes</u> : 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
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "NB"

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10788	PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.
11001	CLUTCH Omit Item (Clutch & Control)
12EEM	ENGINE, DIESEL {Cummins ISB 250} EPA 10, 250 HP @ 2400 RPM, 660 lb-ft Torque @ 1600 RPM, 2600 RPM Governed Speed, 250 Peak HP (Max) School Bus Only <u>Includes</u> : ANTI-FREEZE Red Shell Rotella 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
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On <u>Includes</u> : FAN Nylon
12UGN	THROTTLE, HAND CONTROL Electronic <u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.
12UYE	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VBR	AIR CLEANER With Service Protection Element <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12VVN	CRUISE CONTROL Electronic <u>Notes</u> : Cruise Control Switches Mounted on Steering Wheel are Non-Illuminated.
12VWH	GOVERNOR Electronic Road Speed Type; for Electronic Engines and Bus Models; With 55 MPH Default
12WZD	EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations
12XBB	FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2015; ISB Engines
13ART	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 <u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints
13WYV	SHIFT CONTROL PARAMETERS Allison 1000 or 2000 Series Transmissions, 5th Generation Controls, with EcoCal and Dynamic Shift Sensing (FuelSense Basic)
14AGM	AXLE, REAR, SINGLE {Dana Spicer 19060S} Single Reduction, 19,800-lb Capacity, 190 Wheel Ends . Gear Ratio: 4.63 <u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle <u>Notes</u> : 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. : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance
14TBS	SUSPENSION, REAR, AIR, SINGLE {International} Ride Optimized Suspension (IROS); 21,000-lb Capacity, 9.25" Ride Height, With Shock Absorbers <u>Notes</u> : 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.
14WAW	FLAT FLOOR EFFECTS for Air Suspension; With Conventional Bus Models
15SBZ	FUEL TANK Top Draw; Rectangular, Steel; 65 U.S. Gal., 246 L Capacity, Includes Protective Cage and with Fuel Filler Assembly and Vent Hosing, Mounted Between Frame Sidemembers and Behind Rear Axle <u>Notes</u> : Requires 217" WB Min.
15WDK	DEF TANK 12 U.S. Gal. 45.4L Capacity, Frame Mounted Outside Right Rail
16010	COWL Flat Back



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16HBA	GAUGE CLUSTER English With English Electronic Speedometer <u>Includes</u> : 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)
16HGH	GAUGE, OIL TEMP, ALLISON TRAN
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16HLJ	GAUGE, DEF FLUID LEVEL
27DMA	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 <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS Black (Rims Painted Gray) <u>Notes</u> : 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
28DMA	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 <u>Includes</u> : PAINT IDENTITY, REAR WHEELS Black <u>Notes</u> : 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
29580	WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings
47AEU	BODY, BUS Conventional; 78" Headroom, 26'8" Body Length, +9 Section Front and Rear, 54 Passenger, 217/218 WB
47AJA	BODY CERTIFICATION TAG Metal
47AJC	BODY TAG, METAL Capacity to Include the Total Number of Passengers
47AKK	STEP, FRONT ENTRANCE DOOR 25 3/4" Depth; 14ga Steel <u>Includes</u> : STEP, FRONT ENTRANCE DOOR OPENING, 35 Inch Width; Continuous Bottom to Top
47AKZ	DECAL, HANDICAP (4) 6" x 6", 1 Mounted on Electrical Access Door, 1 Mounted on Lift Door Below Window Line, 1 on Left Bumper, 1 on Rear Door Between Top and Bottom Glass
47AMA	FASTENERS, EXTERIOR MOUNTED Stainless Steel Screws; for Fender and Body Exterior Rear View Mirrors, Bumper Mounted Crossing Gate and Body Mounted Stop Arm
47APJ	BODY RATING TAG Metal; for State of Texas, Includes Design Capacity and Seat Capacity
47APR	HEADLINER, BODY Conventional; 25'11"-34'11" Body Length, Perforated Full Length With Sound Insulation Full Length
47APX	FASTENERS, HEADLINER Screws
47ARH	BOWS, ROOF 14 ga., One Piece Construction <u>Includes</u> : BOWS, ROOF Positioned Floor Line to Floor Line, Threaded Through Roof Strainers and Drip Rail
47ARP	LIGHT BARS Plastic
47ASG	SKIRT, BODY for Conventional, 14 1/2", 16ga <u>Includes</u> : SKIRT, BODY Extra Smooth Steel Supported by Floor Gussets
47AUR	TIE DOWNS, BODY Grade 8 Bolts, Every Body Section <u>Includes</u> : TIE DOWNS, BODY with Formed Tab that Fits into Floor Structure to Prevent Turning
47AXR	RUB RAILS, BODY (4) Conventional; Steel, 25'2", 25'11", 26'8", 27'5" Body Length, Includes Snow Rail <u>Includes</u> : RUB RAILS Full Length, Primer Coated (Both Sides), Attached to Body without Cuts or Splices
47AYB	BODY, REAR Includes Emergency Door <u>Includes</u> : DOOR, REAR EMERGENCY with Concealed Hinges
47AZC	: HEADER BUMPER Padded, Mounted Over Rear Door; Upholstered to Match Passenger Seat Color SIDE SHEET, BODY, EXTERIOR Conventional, 16ga., Smooth, 25'2", 25'11", 26'8", 27'5", Body Length

**Vehicle Specifications**  
**2016 INTEGRATED CE S BUS (PB105)**

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<b>Code</b>	<b>Description</b>
47AZK	FLOOR, BODY Flat
47BAR	SUPPORTS, REAR BUMPER Bolted to Frame
47BAU	BUMPER, REAR Painted; 12" High, 3/16" Thick, With 7" Hole for Exhaust
47BBH	LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated
47BEX	SEALER Water-proof Sealer on all Floor Covering Seams
47BKK	LETTERS, SCHOOL BUS FRONT/REAR Decal; "SCHOOL BUS"; With 8" Black Reflective Letters, 3M Fluorescent Diamond Grade, Yellow On Front and Rear Cap
47DAJ	COVER, REAR DOOR INSIDE HANDLE Partial Coverage
47DAK	FASTENERS, REAR DOOR Bolts and Nutserts, Rear Door To Body
47DBP	DOOR, ENTRANCE, FRONT Air, Outward Opening, With Split Pane Glass <u>Includes</u> : DOOR, ENTRANCE, FRONT Aluminum Frame with Pin Style Hinges, Ball Bearing Assisted, Interchangeable Top and Bottom Glass
47DCW	HANDLE, EXTERIOR, LIFT DOOR Single Door, Yellow
47DDE	HANDLE, ASSIST, ENTRANCE DOOR Outside Entrance
47DDH	HOLD BACK, REAR DOOR Stationary, No Cables, With Plastic Cover
47DDR	LATCH, LIFT DOOR Single, Three Point Slide Bar
47DDU	LATCH, REAR DOOR One Point Slide Bar, Cam Operated, with One Inch Stroke
47DEH	LOCK, VANDAL, ENTRANCE DOOR for Air, Electric Control, with Key Switch
47DEK	LOCK, VANDAL, REAR DOOR with Ignition Starter Interlock
47DEY	HANDLE, EXTERIOR, REAR Emergency Door; Yellow
47DNK	SWITCH, LOCATION Steering Wheel; Includes Master Flasher, Flasher ON/OFF, Red Override, and Door Control <u>Includes</u> : SWITCH, STEERING WHEEL, LIGHT Includes Illuminated Switches
47DWP	DOOR, LIFT Single, 43" x 69.79", Mounted Aft of Rear Wheel Pocket, With 78" Headroom
47DXG	FASTENERS, HANDRAIL Plusnuts & Screws
47EBM	HOLD DOWN, BATTERY For (2) Standard Size Batteries
47ECS	COMPARTMENT, TOOL, FWD LEFT Aft of Standard Battery Box, Key Lock, 13"x 15"x 25 1/2"
47KDC	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
47LAB	NOISE REDUCTION, DRIVER FLOOR Insulation Covering Complete Driver Floor Area
47LAR	NOISE REDUCTION, ROOF BOW Conventional; Insulation, 25'2", 25'11", 26'8", 27'5" Body Lengths
47LAU	INSULATION, ROOF AND SIDES 1.50", All Models
47MAV	LETTERS, SCHOOL BUS SIDE Decal; "SCHOOL BUS"; in 8" Reflective Black Letters, Each Side
47MBA	UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec <u>Includes</u> : UNDERCOATING Performed Before and After Mounting on Chassis
47MBC	INSULATION, STEPWELL
47MJR	LETTERS, DOOR, REAR Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside
47MNT	ARROW, RR DOOR, INSIDE Decal; Red, .75" Stroke, Indicating Handle Direction
47MRU	LETTERS, K/O WINDOW, LEFT (2) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside
47MTY	WIRING DIAGRAM Schematic, Electrical <u>Includes</u> : ACCESS PANEL for Wiring Diagram Schematic Located on Body Exterior; Below Driver Window
47MVA	LETTERS, HEADER Decal; "WATCH YOUR STEP", 1" Black, Above Windshield
47MVC	LETTERS, STEPWELL Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser
47NAB	PAINT RUB RAILS 0001 Canyon Black
47NGP	LETTERS, FUEL I.D. Paint; "DIESEL FUEL", 2" Black, Adjacent to Fuel Filler Door
47NGW	SEAL, RUB RAILS Top Edge, All Rails
47NHB	PLATE INSTR, LT. K/O WINDOW (2) Mounted Under Window
47NHL	LETTERS, K/O WINDOW, RIGHT (2) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside
47NHW	PLATE INSTR, RT. K/O WINDOW (2) Mounted Under Window
47NJA	PAINT COLOR, BODY EXTERIOR 4421 Yellow, SBNS
47NJM	PAINT FLASHER BACKGRD 0001 Canyon Black
47NJS	PAINT COLOR, BUMPER Rear; 0001 Canyon Black
47NKC	PAINT COLOR, ROOF 9219 Winter White



**Vehicle Specifications**  
**2016 INTEGRATED CE S BUS (PB105)**

February 20, 2015

<u>Code</u>	<u>Description</u>
47NKL	PAINT, RUB RAIL Flange to Flange
47NKM	PAINT COLOR, BODY INTERIOR 9384 Spring White
47NMG	OPERATING INSTR, REAR Decal, Inside Rear Emergency Door
47NTE	LOGO, ROOF LINE Decal; Wing and Shield, First Body Section, Above Driver Window and Entrance Door Over Driver Window and Entrance Door
47NTY	PAINT HOOD AND FENDER To Match Body Exterior
47NWH	STRIPING, ROOF HATCH, REAR Decal, Perimeter, 1", Yellow, 3M Fluorescent Diamond Grade
47NWJ	STRIPING, SEATLINE {3M} 2" Yellow, Fluorescent Diamond Grade
47NWR	STRIPING, REAR END {3M} 2" Yellow Fluorescent Diamond Grade
47NWT	STRIPING, ROOF HATCH, FRONT {3M} Decal, Perimeter, 1", Yellow Fluorescent Diamond Grade
47NWU	STRIPING, K/O WINDOW, RIGHT (02) Perimeter, 1" 3M Yellow Fluorescent Diamond Grade
47NXH	STRIPING, K/O WINDOW, LEFT {3M} (02) Perimeter, 1" Yellow Fluorescent Diamond Grade
47NXN	STRIPING, PERIMETER, REAR Emergency Door; 1" Wide, 3M Fluorescent Diamond Grade, Yellow
47PBZ	HANDLE, ASSIST Windshield Side Mounted, Left and Right, Body Color
47PLX	LETTERS, DEF, I.D. Decal; "DEF ONLY", 1" Black, on DEF Filler Door
47SAZ	SUB FLOOR, PLYWOOD Conventional; B-B Marine Grade, Less Sealed Edges, 5/8", 5 Ply, for 25'2", 25'11", 26'8" or 27'5" Body Lengths
47SPC	ALPHA/NUMERIC DECAL GUIDE Quantity 031-40
48ACN	SEAT BELT, DRIVER, COLOR With Blaze Orange Seat Belt Webbing
48ANE	WINDOW, ENTRANCE DOOR, TOP Laminated, Clear
48ANM	WINDOW, ENTRANCE DOOR, BOTTOM Laminated, Clear
48ANT	WINDOW, DRIVER Laminated, Clear
48APL	WINDOW, STOPS 12" Opening, Only With 78" Headroom
48ARC	WINDOW, SASH (8) 27" Sections, 9"x 23" Opening
48ASP	WINDOW, SASH +9 SECTIONS (2) 9" x 32 1/4" Opening
48AUL	WINDOW, PASSENGER, TINT Conventional; 28% Light, Laminated Glass, 78" Headroom, With 25'2", 25'11", 26'8", 27'5" Body Lengths
48BAH	WINDOW, K/O, LEFT (2) Vertical Hinge
48BJE	COLOR, WINDOW FRAME, PASS (16) Passenger Window, Black Anodized
48BKP	WINDOW, K/O, RIGHT (2) Vertical Hinge
48GHC	HEATER, DRIVER 90,000 BTU, with Defroster and Without Rear Heat Duct <u>Includes</u> : AIR FILTER : HEATER HOSES Premium : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
48GNN	SEAT, CHILD, RT, TRK, 39", 6 LEG {IMMI Seats} (02) High Back, with Child Restraint System and Non- Retractable Maroon/Blue/Brown Lapbelts
48NAT	FITTINGS, AIR SEAT for Driver Seat
48PAM	WINDSHIELD 3 Flat Pieces, 73% Light, With Band
48PAY	aisle POSITION Center, for balanced seating
48PEW	FLOOR COVERING, COLOR Gray #766
48PHE	UPHOLSTERY, PASS SEATS, TYPE Prevail, 42 oz.; for (09-10) Seats
48PJR	FLOOR COVERING, TRIM Aluminum
48PJZ	FLOOR COVERING, TYPE {Koroseal} All Body Lengths
48PKC	HOSE CLAMPS, HEATER HOSE Constant Torque for Heater System
48PNW	HEATER, WATER PUMP {2MPU 12} Self Priming, With Plastic Housing
48PPM	HEATER CUT OFF, VALVE Ball, With Butterfly Handle
48PPP	HEATER CUT OFF, VALVE INSIDE Brass Ball, Inside Forward of Driver Heater
48PPS	ROOF VENT, FRONT Static
48PUT	NUTS, BELT MOUNTING Standard Nuts For Seat Belt Mounting
48PVA	UPHOLSTERY, DRIVER SEAT, STYLE Plain, With Cloth Insert
48PVP	UPHOLSTERY, DRIVER SEAT, COLOR Drivers Seat, Black
48PWD	UPHOLSTERY, PASS SEATS, COLOR Gray, for Seats, Barriers and Head Bumpers
48PWR	UPHOLSTERY, DRIVER SEAT, TYPE Prevail, 42 oz.
48PXP	UPHOLSTERY, BARRIER, TYPE (1-2) Prevail, 42 oz.
48RAE	BARRIER, CRASH, AFT ENTRY DOOR 39", 1 Leg
48RAL	BARRIER, CRASH, AFT DRIVER 39", 1 Leg

**Vehicle Specifications**  
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<u>Code</u>	<u>Description</u>
48RDL	FAN, DEFOG LEFT OF DRIVER 6.50" Diam., Black, Mounted Left of Driver Above Windshield, 2 Speed Switch in Panel
48RGE	HAND RAIL, ENTRANCE DOOR, FWD Stainless Steel; Curved
48RGR	HAND RAIL, ENTRANCE DOOR, AFT Stainless Steel, 4", Above Step
48RLX	CUSHION, SEAT 15" Depth <u>Includes</u> : WARRANTY Four Years
48RRA	UPHOLSTERY, SEAT, STITCHING Single <u>Includes</u> : WARRANTY Two Years
48RYW	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 <u>Includes</u> : SEAT BELT, DRIVER Adjustable D-Loop Seat Belt, Single Locking Retractor
48RZJ	STEP TREADS {Koroseal} Pebble Top With White Nosing, With Non-Metal Backing
48SDJ	SEAT,PASS,LT,39",2 LEG (02) <u>Notes</u> : BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.
48SKB	SEAT,PASS,RT,39",2 LEG (02) <u>Notes</u> : BTI Seating System Base Seat. Retrofittable, Contact IC Bus Application Engineering for more information.
48UCP	ROOF HATCH, FRONT {Transpec 1975-028-121-03} With Outside Release, With English Decals
48UCR	ROOF HATCH, REAR {Transpec 1975-028-121-03} With Outside Release, With English Decals
48USV	SEAT BACK, PASSENGER High Back
48UYC	HEATER, REAR WALL, RT SIDE 80,000 BTU, Bergstrom
48VPD	SEAT BELT, TRIPLE Non-Retractable, Maroon/Blue/Brown, 04 Sets
48XXH	SEAT,CHILD,LT,39",2 LEG {BTI Seating System} (01) High Back, with Child Restraint System and Non-Retractable Maroon/Blue/Brown Lap Belts 7.5" on the Buckle Side <u>Notes</u> : BTI Seating System -Integrated Child Restraint. Retrofittable, Contact IC Bus Application Engineering for more information.
48XXV	SEAT,CHILD,RT,39",2 LEG {BTI Seating System} (03) High Back, with Child Restraint System and Non-Retractable Maroon/Blue/Brown Lap Belts 7.5" on the Buckle Side <u>Notes</u> : BTI Seating System -Integrated Child Restraint. Retrofittable, Contact IC Bus Application Engineering for more information.
49AHV	LIGHT, STROBE, STOP SIGN, FRT In Lieu Of Flashing Lights Furnished With Stop Sign, Speciality
49AHY	LIGHT, STROBE, STOP SIGN, REAR In Lieu of the two Flashing Lights Furnished With Stop Sign, Speciality
49AJH	CONNECTION, LIGHTS Cluster, Clearance and Side Marker To Tail Lights
49ALW	LIGHTS, ASIDE FRONT DOOR Exterior, 4" Lights Upper Portion Shield, Wired to Clearance Lights
49AMB	WIRE, FEED 4 Gauge, Chassis To Body <u>Notes</u> : Terminals have heat shrink protection.
49AMD	SWITCH, DRIVER PANEL, TYPE Rocker
49AMJ	ALARM, BACKING {Ecco #575} 107 db
49AML	SWITCH, REAR DOOR BUZZER Rear Door With Knob, for State of Texas
49AMT	CIRCUIT, PROTECTION Breakers, Manual Reset in Lieu of Fuses <u>Includes</u> : ACCESS PANEL for Body and Chassis Fuses/Circuit Breakers Located on Body Exterior; Below Driver Window
49ANH	SWITCH, MAGNETIC, DISCONNECT Master, Ignition Operated, All Body Circuits
49ANU	SOURCE, POWER 12 Volt DC, Mounted On Dash
49APA	LIGHT, DRIVER, CEILING Deluxe, With Separate Switch, Mounted in Light Bar
49APV	LIGHT, LIFT DOOR, INTERIOR Above Lift Door, With Door Operated Switch
49APX	LIGHTS, DOME Conventional; Two Full Rows Rectangular Recessed Dome Lights, 25'2", 25'11", 26'8", 27'5" Body Length <u>Includes</u>



**Vehicle Specifications  
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<u>Code</u>	<u>Description</u>
	: WIRING HARNESS Main Body Wiring Harness Accessed by Removing Dome Light
49ARN	LIGHT, STEP Wired to Clearance Lights
49ATJ	LIGHT, INDIC, LIFT DOOR Amber; Flashing, Located in Driver Area
49BCN	FLASHER SYSTEM (8) Warning Lights, 8-Lamp System, Electronic Relay Flasher, Non-Sequential Operation, Red Lights Activate With Door Open
49BCR	LIGHT, EXTERIOR, CHECK Automatically Activates Lights for Pre Trip Inspection
49BKG	LIGHTS, STOP (2) {Sound Off ECV7561SST} and Tail; 7", LED, Red
49BKH	LIGHTS, DIRECTIONAL, REAR (2) {Sound Off ECV7561ITY} LED, 7" Amber
49BKJ	LIGHTS, MARKER, FRONT, REAR {Sound Off ECVML153Y&R} LED, Armored, (8) Four Amber Front and Four Red Rear
49BUS	WIRING, WARNING LIGHTS (8) for 7" Red Warning Lights, Alternately Flashing, 2 Front, 2 Rear, Red Warning Lights to Operate When Lift Door is Open and Master Flasher Switch is "ON"
49BVE	MIRROR, CROSS VIEW, EXTERIOR {Mirror Lite High Definition Busboy} for Left & Right Side; Black
49BXN	SWITCH, RED, OVERRIDE WARNING Wired Hot, With ESC, Mounted Left of Driver
49DAG	LIGHT, INDIC, WARNING LIGHTS LED Type; Red and Amber
49DBR	HOOD, WARNING LAMP (4) Black, 8-Lamp System, One Hood Above Two Lights
49DDA	RADIO, ENTERTAINMENT {Panasonic} AM/FM-MPLX Stereo With Antenna and Cable, and Public Address, 4 Speaker
49EAE	LIGHTS, MARKER, SIDE {Sound Off EVCML153Y} LED, Armored Type, Intermediate, Centered; Required for Units 30 Foot or Longer
49EAG	LIGHTS, DIRECTIONAL, SIDE (4) {Sound Off ECVML153Y} Armored, 2 Each Side First Section Aft Entrance Door & Forward Rear Wheel Pocket
49EBA	KIT, FIRST AID Plastic; 24 Unit, Spec State
49EEH	STOP ARM, LEFT REAR {Specialty} Electric, 18" Octagon, Single Sided, 1/2" White Border, Hi Intensity Grade, LED Strobing Lights
49EEV	STOP ARM, FRONT {Specialty} Electric, 18" Octagon, Double Sided, 1/2" White Border, Hi Intensity Grade, Strobing LED Lights
49EGB	MIRROR, INSIDE 10" x 30", Clear
49EJC	MIRROR, REAR VIEW, EXTERIOR {Rosco} 7" x 6" Lower Section, Breakaway Bracket, Motorized Head, Heated, Black
49ENK	VISOR, INTERIOR, LEFT FRONT 6" x 30", Transparent, For Left Windshield
49EPZ	CUTTER, SEAT BELT (2) {Knife for Life} for Cutting Seat Belts
49EVL	SWITCH, NOISE SUPPRESSION Actuator Legend States, "NOISE SUPP ", for Separate Solenoid, With Red Switch in Panel
49EZC	CUTTER, SEAT BELT, LOCATION (2) Centered on Inside of Driver Compartment Lid
49GAY	KIT, BODY FLUID Texas
49GBV	WINDSHIELD WIPERS (2) Cowl Mounted
	<u>Includes</u>
	: WINDSHIELD WIPERS CONTROL Single Motor, Overlapping Wipe Pattern
49GDG	PADDING COMPART ABOVE DRIVER Window; Safety Equipment, Vandal Equip Compartment with Cutout for dome light
49GDS	COMPARTMENT ABOVE DRIVER Left of the Driver
	<u>Includes</u>
	: COMPARTMENT ABOVE DRIVER Compartment Size: 39" x 10" x 10"
	: HINGES Piano Type
49GEH	SAFETY TRIANGLES Warning Reflectors, Mounted on Drivers Barrier Level With Top of a Modesty Shield
49GGE	FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum With Flexible Hose and Metal Nozzle
49GGW	FIRE BLANKET Deist, in Storage Container, 1st Bow Section From Rear
49GKZ	FUEL FILLER DOOR With Non-Locking Latch
49GLA	REFLECTORS, SIDE, INTERMEDIATE (2) 3" Amber, 1 Each Side, Mounted With Screws, Below The Third Rub Rail From the Top
49GLG	REFLECTORS, SIDE, REAR (2) 3", Red, Mounted With Screws
49GLM	REFLECTORS, SIDE, FRONT (2) 3", Amber; 1 Aft Drivers Window Left, 1 Aft Entrance Door Right, Mounted With Screws
49GLP	REFLECTORS, REAR (2) 3", Red, Mounted With Screws
49GMM	INTERLOCK, LIFT for FMVSS Wheel Chair Interlock Requirements; Key Off, Lift Door Must be Open before Lift can be Activated, With Key in "On or Accessory" Position, Park Brake Must be Applied, Transmission in Neutral, Lift Door Must be Open Before Lift Can be Activated, With Automatic Transmission Only

**Vehicle Specifications  
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<b>Code</b>	<b>Description</b>
49GRG	LIGHT, LICENSE PLATE {Sound Off ECVLPBLED} LED, With Mounting Gasket
49GRS	LIGHTS, CLUSTER {Sound Off ATCVMLDP1R & ATCVMLDP1Y} LED; Amber Front and Red Rear
49GUM	INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel
49GUY	MUD FLAPS, REAR WHEELS (2) Anti-Spray and Anti-Sail; Behind Rear Wheels
49GWW	WINDSHIELD WASHER Kit; 6 Quart Capacity, Bottle <u>Includes</u> : WINDSHIELD WASHER ELECTRICAL CONNECTIONS Sealed and Locking Type
49GZX	FUEL FILLER PIPE Neck Cap and Vent Hosing for Use With Right Side Fill 65 Gal. Between the Rails Fuel Tanks
49HAY	STORAGE COMPARTMENT, BELTS (4) for Sure Lok Wheelchair Belts, Mounted to Wall
49HES	MIRROR, BRACE, EXTERIOR Telescoping for Breakaway Bracket
49HEV	TRACK, TYPE (BRAND) {Sure-Lok L Track}
49HGA	TRACK, FLOOR LENGTHS 151"-200", With Full Shoulder Track
49HGX	TIE DOWN, TRACK TYPE {Sure-Lok FF612-4C-7} Retractable
49HHC	TIE DOWN, TRACK (04) Retractable
49JAC	DEF FILLER DOOR With Non-Locking Latch
49MYH	LIGHTS, WARNING (8) {Sound Off} (4) 7" Red Flashing LED and (4) 7" Amber Flashing LED, 2 Front, 2 Rear Each Color
49MZV	LATCH, COMPARTMENT Locking, for Overhead Storage Compartment
49NAC	LIFT, WHEELCHAIR {Ricon Titanium S-5510-FF-403} Power Pack Mounted Forward of Lift
49UBZ	STATE OF OPERATION Texas
49XHP	LIGHTS, STOP & TAIL ADDITIONAL (2) {Sound Off} Red, LED, 4" Diameter, With Flange
49XJJ	LIGHTS, BACK UP (2) {Sound Off} White, LED, 4" Diameter, With Flange
7752528107	(2) TIRE, FRONT 255/70R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range H, 16 ply
7752528107	(4) TIRE, REAR 255/70R22.5 G661 HSA (GOODYEAR) 566 rev/mile, load range H, 16 ply
OBD003	BODY PLAN, SPECIAL NEEDS BODY PLAN, SPECIAL NEEDS, Body Plan LHORN-1204 required

**Services Section:**

40114	WARRANTY Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built January 2, 2015 or Later, CTS-3304G
40KMA	SERVICES, TOWING {Navistar} Service Call to 24-Month/Unlimited Mileage to the Nearest Navistar Dealer for Navistar Warrantable Failure as Contract Defined; Includes Engine Failure if Supplier Declines Tow Coverage & ESC Supplied thru Navistar; \$550 (USA) Maximum Benefit per Incident
40LLZ	SRV CONTRACT, EXT VEH COVERAGE To 24 Month/50,000 Miles (80,000 km), Excludes Extended Warranty for Engine, Transmission, and Body
40LSU	SRV CONTRACT, EXT BUS BDY CVRG {Navistar} To 24-Month/50,000 Miles (80,000 km), Excludes Extended Chassis Coverage
49GVN	WARRANTY 5-Year, Limited
	PDI
	DOT inspection
	Set Auto Idle
	BA/AC 126,000 BTU Bulkhead Dash
	ICM F121S 51 2-way radio
	Angel Trax 3 Camera System
	Parts CD
	Program oil change to 450 hrs



**Financial Summary**  
**2016 INTEGRATED CE S BUS (PB105)**

February 20, 2015

<u>Description</u>	(US DOLLAR)	<u>Price</u>
Net Sales Price:		\$94,895.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an IC Corporation vehicle.

Estimated Delivery: 90-120 Days ARO

\*\*\*CO-OP Fee not included, please add if required\*\*\*

**Approved by Seller:**

**Accepted by Purchaser:**

\_\_\_\_\_  
Official Title and Date

\_\_\_\_\_  
Firm or Business Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Authorized Signature and Date

**This proposal is not binding upon the seller without Seller's Authorized Signature**

\_\_\_\_\_  
Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.