

CONTRACT NO.

12-03-22-07

Campus Shuttle Bus

Bid packets must be received by
3:00 p.m.
April 5, 2012

Delaware State University
Room 321
New Administration Building
1200 North DuPont Highway
Dover, DE 19901-2277

Point of Contact
Jessica Wilson
(302) 857-6272
(302) 857- 6278

TO: ALL BIDDERS

The enclosed packet contains an "INVITATION TO BID" for Campus Shuttle Bus. The bid consists of the following documents:

INVITATION TO BID – CONTRACT NO. 12-03-22-07

1. Definitions and General Provisions
2. Special Provisions, Invitation to Bid, and Scope of Work
3. Bid Reply Section
4. Non-Collusion Statement and Acceptance

Your bid and the Bid Reply Section must be executed completely and correctly and returned in a clearly marked envelope by 3:00 p.m., Thursday, April 05, 2012, to be considered.

Please review and follow the information and instructions contained in the General Provisions and this Invitation to Bid. Should you need additional information, please call Jessica Wilson at (302) 857-6272.

Minority Business Enterprise (MBE) and Women Owned Business Enterprise (WBE) will be afforded full opportunity to submit bids and will not be subject to discrimination on the basis of race, color, national origin, or sex in consideration of this award.

Delaware State University reserves the right to extend the time and place for the opening of bids from that described in the advertisement, of not less than two (2) calendar days notice by certified delivery, facsimile transmission, or by verifiable electronic means to those bidders who obtained copies of the plans and specifications or contract descriptions. Delaware State University reserves the right to reject any and all items, bids and waive all informalities.

SECTION 100.00 BID GENERAL INFORMATION:

Whenever the following terms are used, their intent and meaning shall be interpreted as follows:

State:	The State of Delaware
Board:	The Delaware State University Board of Trustees
University:	The Delaware State University
Designated Official:	The person authorized to act for the Delaware State University Board of Trustees
Inspector:	Individual authorized by the University to act as its agent to inspect any feature of the material or work entering into the contract
Bidder:	Any individual, firm or corporation submitting a bid in the proper required form for furnishing the material and/or accomplishing the work as specified and acting directly or through a duly authorized representative
Contractor:	Any individual, firm or corporation with whom a contract is made by the University
Surety:	The corporate body which bound with and for the contract, or which is liable, and which engages to be responsible for the contractor's payments of all debts pertaining to and for this acceptable performance of the work for which he has contracted
Bid:	The offer of the bid submitted on the approved form and setting forth the bidder's prices for furnishing material and/or performing work described in the specifications
Advertisement For Bid:	The public announcement that the University is inviting bids covering work to be performed or materials or equipment to be furnished
Bid Bond:	The security designated in the bid to be furnished by the bidder as a guaranty of good faith to enter into a contract with the University if the work to be performed or the materials to be furnished is awarded to him
Special Provisions:	Special provisions are specific clauses setting forth conditions or requirements peculiar to the contract under consideration and covering the work, materials, products, or equipment involved in the bid
Contract:	The written agreement covering the furnishing and delivery of materials and/or services which shall consist of the following: A. Bid by firm or individual furnishing materials and/or services B. Agreement by the vendor to abide by all terms, conditions, specifications, and addenda (Sect 100, 200, 300, 400 inclusive) of the bidding documents C. Approved University purchase order
Performance, Labor & Material Payment Bond:	The approved form of security furnished by the Contractor and his surety as a guaranty of good faith on the part of the contractor to execute the work in accordance with the terms of the Special Provisions

SECTION 200.00 PROPOSAL REQUIREMENTS AND CONDITIONS

ALL PROPOSALS MUST BE MADE IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS:

SECTION 200.1 Presentation of Bids

A. Bids shall be presented on the forms issued with the specifications. Special lease, or rental bids may be presented on vendor's forms. All blanks shall be properly filled in. Live signatures are required. Any alterations, erasures shall be initialed by bidder. The bid form shall be executed to show the amount bid. The total amount of the bid submitted shall be typed, or clearly printed in ink.

B. Bids shall be received at the Office of Purchasing, (unless otherwise indicated), Delaware State University, 1200 N. DuPont Highway, Dover, Delaware, 19901-2277, not later than the time stated in the advertisement. Bids will be received in a sealed envelope and plainly marked as follows:

Contract No.: 12-03-22-07

Name of Bidder:

Date of Opening: April 05, 2012

C. No responsibility shall be attached to any persons for the premature opening of any bids not properly identified. (See "B" under Paragraph 1).

D. Bidder bear all responsibility for insuring that their bids are received on time. Delaware State University bears no responsibility for bids being received late.

SECTION 200.2 Bid Guaranty

A. All bids exceeding \$10,000 in cost, shall be accompanied with a bid bond or certified check drawn on a solvent bank or trust company licensed to do business with the State of Delaware unless WAIVED under section titled: "Special Provisions." The bid bond or certified check shall be drawn to the order of the Delaware State University in the amount of at least ten percent (10%) of the total price (including all alternates).

B. Upon the execution of a formal contract and agreement, the Bid Bond will be returned to the successful bidder. The deposits of the unsuccessful bidder will be returned to them

immediately upon the awarding of the contract, or the rejection of all bids, but in any event, no later than ninety (90) days after the opening of the bids.

C. Should a successful bidder, on being notified in writing by the University, fail to execute the Notification of Award and Agreement contract and furnish satisfactory Performance, Labor and Material payment bond (if requested under Special Provisions) within twenty (20) days from date of receipt, the award of the contract may be rescinded and the certified check or bid bond becomes liable up to the full amount and the bidder liable for any difference in the bid, which the University may be obligated to award to another bidder because of the omission or refusal of the successful bidder to execute the contract and Performance bond as aforesaid.

D. If no award of the contract is made, all checks will be returned to the depositor within ninety days of the opening bid.

SECTION 200.3 Bid Withdrawal

A. A bidder may withdraw his bid after it has been deposited with the University if such request is made prior to the time set for the opening of the bid.

B. Any bidder exercising the privilege of withdrawing his bid (bids) waives all claims that may arise should it be found that his opened bid, is for any reason, unacceptable to the University.

SECTION 200.4 Rejection of Bids

Any one (1) or more of the following causes may be considered sufficient reason for the disqualification of a bidder and the rejection of his bid:

A. Evidence of collusion among bidders and failure to execute non-collusion statement and execute Order 11246.

B. More than one (1) bid for the same contract from an individual firm, or corporation under the same, or different names. (excluding special lease or rental bids). This does not apply to agents, or brokers representing more than one principal, when separate bids are submitted.

C. Unsatisfactory performance record as proven by past experience with the University.

D. Delaware State University may request prospective bidders to answer a questionnaire and file a financial statement containing a complete statement of the bidder's financial ability and experience in performing such work. If the University is not satisfied with the sufficiency of the answers to the questionnaire or financial statements, the owner may refuse the prospective bidder submitting such unsatisfactory answers access to the plans and specifications for the work and the bid of any such bidder may be disregarded.

E. Unit prices are obviously unbalanced in excess, or below reasonable cost analysis value and/or in excess of the budget.

F. Any unauthorized additions, interlineations, conditioned or alternate bids or irregularities of any kind which may tend to make the bid incomplete, indefinite, or ambiguous in meaning.

G. Lack of bid bond or certified check accompanying unless waived under "Special Provisions."

H. Delaware State University reserves the right to waive any informality in bids received and to accept or reject any or all items bid.

I. Failure to submit with bid, the latest manufacturer's technical specifications on substitutions or "or equal" products.

SECTION 200.5 Notifications of Award and Agreement

A. Upon notification by Delaware State University that the bid has been accepted, the successful bidder shall agree to execute a formal contract, within twenty (20) days, with the University, embodying the bid which he has submitted consistent with the specifications, terms and conditions provided (and provide Performance, Labor & Material payment bonds if required under special provisions). Such contract shall make provisions for all Federal, State and City antipollution, conservation and environmental protection ordinances, rules and regulations which will be involved in the execution of the contract. The cost for any anti-pollution, conservation or environmental protection control activity that is not specified in the contract, or otherwise provided for, but becomes necessary, or is deemed desirable by the University after contract has been awarded, shall be paid in accordance with Section 6904 (E) of the Delaware Code.

B. The notification of award and agreement shall not be considered final until a purchase

order has been approved by the University and received by the successful bidder.

SECTION 200.6 Termination of Contract

A. Delaware State University reserves the right to annul any contract if, in its opinion, there is failure at any time to perform adequately the stipulations of this invitation to bid, and/or the general conditions, special provisions and detailed specifications which are attached and made part of this bid, or in any case of any attempt to willfully impose upon the University materials, products, workmanship or service which is, in the opinion of the University, of an unacceptable quality.

SECTION 200.7 Performance, Labor & Material Payment Bond

A. The successful bidder will (when requested under Section: "Special Provisions") be required to furnish satisfactory bonds for the faithful Performance, Labor & Material payment, guarantee periods and the satisfactory completion of all work as specified.

B. The bonds shall be paid for by the contractor and shall cover the total amount of the contract price. Bonds must accompany the executed contract award and agreement.

C. Failure to submit properly executed bonds within twenty (20) days may result in the University awarding contract to the next lowest responsible bidder.

SECTION 200.8 Non-Collusion Statement

A. Delaware State University requires a sworn statement to accompany all bids, executed by, or on the behalf of the person, or corporation submitting the bid, certifying that such person, or corporation has not either directly, or indirectly participated in any collusion with such contract. The form for this sworn statement is included herein and must accompany bids being submitted.

SECTION 200.8 NON-COLLUSION STATEMENT

Delaware State University
Office of Purchasing
Dover, DE 19901-2275

Gentlemen:

This is to certify that the undersigned bidder

_____ has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the bid for Contract No. _____ or any part(s) thereof, submitted to the Delaware State University on the _____ day of _____, 20____.

SIGNATURE OF BIDDER

CORPORATE SEAL

BY: _____

ATTEST:

Secretary

SWORN to and SUBSCRIBED before me this _____ day of _____, 20 _____.

City of _____

County of _____

State of _____

My Commission Expires: _____

Notary Public

SECTION 300.00 GENERAL CONDITIONS

SECTION 300.1 Interpretation of Estimates

A. The estimate of quantities given in the bid are considered approximate and given as a basis for comparison of bids. Delaware State University reserves the right to increase, or decrease the quantity of any item as deemed necessary.

SECTION 300.2 Prices Quoted

A. Items covered by this bid are exempt of all Federal and State taxes. Such taxes shall not be included in prices quoted.

B. Prices quoted shall include F.O.B. Delaware State University freight prepaid, installed as directed and all charges imposed during the life of the contract.

C. Bids submitted by the bidder shall be binding for a period of ninety (90) days from the opening date of bid unless requested for an additional period of time under "Special Provisions."

D. Delaware State University does receive Federal Grants; therefore, all bidders should keep in mind that the University is entitled to the privilege of using GSA contracts.

SECTION 300.3 Use of Trade Names

A. In every case where a trade name is used for the purpose of identification and simplifications, it shall be understood that merchandise of equal quality and similar features will be subject to acceptance by Delaware State University. However, Delaware State University reserves the right to make the final determination as to whether or not the merchandise offered is in fact of equal quality with similar features.

SECTION 300.4 Or Equal Bids

A. Substitution of products offered by bidders other than specified, may be considered, provided the bidder furnishes (with his bid) the manufacturer's latest brochure, which shall contain complete specifications to enable Delaware State University to compare and determine if article (s) and/or services offered comply with the intent of the specifications herein and will be satisfactory for the work to be accomplished. Failure to provide this information with the bid may result in rejection of bid. Delaware State University shall be the sole judge of equivalencies.

SECTION 300.5 Merchandise Sample

A. Before any contract is awarded, the successful bidder will (when requested under "Special Provisions") furnish a complete statement of the origin, composition, manufacturer and sample of any or all materials or items used in the contract for the purpose of evaluating and testing.

SECTION 300.6 Warranty

A. Bidders shall include in their bid, a statement on conditions and terms of warranty of all items and/or services to be provided.

B. Defects occurring during the warranty period shall be made good and/or corrected by the contractor without cost to Delaware State University.

C. The contractor must submit warranty to the University that all materials and equipment furnished under this contract will be new unless otherwise specified, and that all work be of good quality, free from faults and defects and in conformance with the specifications.

D. Verification and inspection upon delivery of materials or services (s) will be performed by representatives of the University and will be rejected if found defective in any way, and not conforming to specifications.

SECTION 300.7 Delivery

A. Time is of the essence and may be a factor considered in making the award. List delivery and/or completion date in indicated space on bid form.

B. The bidder agrees to deliver all equipment and/or perform all work in accordance with its specifications.

C. Deliveries must be made to location indicated on purchase order.

SECTION 300.8 Liquidated Damages

A. If requested under section "Special Provisions" a designated sum will be deducted by Delaware State University from monies due vendor, not as a penalty, but as liquidated damages for failure to deliver/complete within the time limit specified. Saturdays, Sundays and state legal holidays will be excluded from the computations for the assessment of liquidated damages.

SECTION 300.9 Laws to be Observed

A. The Contractor is presumed to know and shall strictly comply with all national, state and

county laws and city or town ordinances and regulations in any manner affecting the conduct of the work or delivery. The Contractor shall indemnify and save harmless the State of Delaware, Delaware State University and all officers, agents and servants thereof against any claim of liability arising from or based upon the violation of any such laws, ordinances, regulations, orders or decrees whether by himself or his employees.

B. All necessary permits, licenses, insurance policies, etc., required by local state or federal laws shall be provided by the contractor at his/her own expense and shall be made available for inspection upon request by authorized personnel of Delaware State University.

SECTION 300.10 Billing

A. The successful bidder (s) are required to bill upon completion, delivery, and installation as specified. All invoices must be identified by the approved purchase order received and be forwarded to:

**Delaware State University
Accounts Payable
1200 N. DuPont Highway
Dover, DE 19901-2277**

SECTION 300.11 Terms of Payment

A. Delaware State University will authorize and process invoices properly identified by a valid purchase order for payment normally within thirty (30) days after date of receipt, completion of services, UNLESS vendor indicates a discount for prompt payment. Such discounts for prompt payment must be clearly indicated on all invoices. Failure to properly identify invoices with a valid purchase order number will result in payment being withheld until such time invoice is identified and/or all changes have been authorized in writing.

B. Delaware State University may make partial payment on any Contract provided Contractor complies with all General Terms of Condition as stated herein.

SECTION 300.12 Funding Out

A. The continuation of this contract is contingent upon funding appropriation by the Delaware General Assembly and/or funding duly authorized by the Delaware State University Board of Trustees.

SECTION 400.00 SPECIAL PROVISIONS:

The following “Special Provisions” shall be considered by all Bidders as part of this Contract:

- 400.0 BID OPENING, TIME AND PLACE: All bids must be received no later than 3:00 P.M., Thursday, April 5, 2012. Bids received after this time and date will not be accepted. Bids will be received by the Office of Purchasing, Room 321, of the Administration Building, Delaware State University, 1200 N. DuPont Highway, Dover, DE 19901-227.
- 400.1 CONTRACT REQUIREMENTS: This contract will be issued to provide a Campus Shuttle Bus
- 400.2 CONTRACT PERIOD: The contract for the goods and/or services herein shall be valid from date of award through date of delivery and acceptance by DSU.
- 400.3 POINT OF CONTACT: The sole point of contact for purposes of this Invitation to Bid (ITB) is Jessica Wilson, Purchasing Director, Delaware State University, (302) 857-6272. Any and all changes or modifications affecting this contract in any matter shall be subject to written approval of the Purchasing Department.
- 400.4 PRICES: Prices shall remain firm until all of the terms and conditions contained herein are satisfied.
- 400.5 BID BOND REQUIREMENTS: Waived
- 400.6 PERFORMANCE BOND REQUIREMENTS: Waived
- 400.7 BASIS OF AWARD: This contract shall be awarded to the most responsible bidder who best meets the requirements of the University and the terms and conditions of the bid. The award will be made on the basis of the capability of the vendor, warranty against defects in material and workmanship, quality of proposed agreement, price, and prior service history. Delaware State University reserves the right to reject any or all bids, in whole or in part, to make partial awards, award by type, item for item, or lump sum, whichever may be most advantageous to the University.
- 400.8 PRE-BID MEETING: Waived
- 400.9 DELAWARE BUSINESS LICENSE: All firms must have a Delaware business license as required by Delaware Code, Title 30, Section 2102.
- 401.0 HOLD HARMLESS: The vendor shall agree by offering a bid on this contract, that they shall indemnify and hold the State of Delaware and Delaware State University harmless from and against any and all claims for injury, loss of life, or damage to, or loss of property caused, or alleged to be caused, by acts of omissions of the vendor, its employees, and invitees on or about the premises and which arise out of the vendor’s performance, or failure to perform as required by the University in this agreement.
- 401.1 NON-PERFORMANCE: **In the event the vendor does not fulfill its obligations under the terms and conditions of this contract due, the ordering department may purchase any equivalent product and/or service on the open market. Any differences in the cost between the contract prices herein and the price of the open market shall be the responsibility of the vendor. Under no circumstances shall monies be due to the vendor in the event the open market products can be obtained below contract cost. Any monies charged to the vendor may be deducted from an open invoice.**

SECTION 400.00 SPECIAL PROVISIONS con't:

- 401.2 FORCE MAJEURE: Neither the vendor nor the University shall be held liable for non-performance under the terms and conditions of this contract due, but not limited to, government restriction, strike, flood, fire, or unforeseen catastrophe beyond either party's control. Each party shall notify the other of any situation that may prevent performance under the terms and conditions of this contract.
- 401.3 BID/CONTRACT EXECUTION: The non-collusion statement enclosed with this Invitation to Bid and the contract form delivered to the successful bidder for signature **MUST** be executed by a representative who has the legal capacity to enter the organization into a formal contract with Delaware State University.
- 401.4 AMENDMENTS: The University reserves the right to amend this ITB at any time prior to the opening date. Addenda, if necessary, will be issued a minimum of three (3) days prior to the date of opening via certified mail, fax or e-mail to all prospective offerors who have picked up or were mailed specifications. All amendments issued by the University must be acknowledged as to the receipt of the same. Each amendment will provide a space for signature to acknowledge receipt. This signed amendment must be included in your bid package. **Failure to include this acknowledgement may be basis for rejection of the bid.**
- 401.5 PUBLIC INFORMATION: Offerors must give specific attention to the identification of any portion of their bid that they deem confidential or proprietary information. This information is usually restricted to financial statements, patent or copyright information, or information concerning personnel which is considered confidential.
- 401.6 CANCELLATION OF CONTRACT: In the event of unsatisfactory performance, Delaware State University reserves the right to cancel this contract upon written notice.

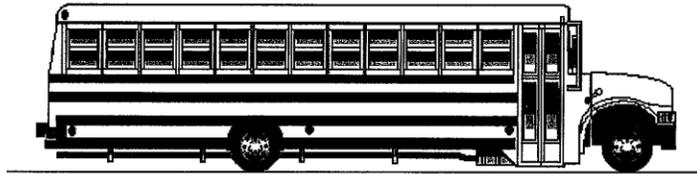
SECTION 500.00 SPECIFICATIONS:

All work/Material (s)/services under this Contract MUST MEET OR EXCEED THE FOLLOWING MINIMUM ACCEPTABLE SPECIFICATIONS:

- 500.1 COMPLAINT: Unless the offerors bid expressively states otherwise, the offerors agree to comply with all terms, conditions, special provisions, specifications, and addendums of this contract. Any or all exceptions must be clearly identified in the proposal.
- 500.2 NON-DISCRIMINATION/EQUAL OPPORTUNITY/AFFIRMATIVE ACTION: The policy of the University, both traditionally and currently, is that discrimination against any individual, for reason of race, color, creed, national origin, sex, handicap, or age, is specifically prohibited. Accordingly, the University uses as one of its purchasing criteria, the affirmative action of its vendors in providing equal employment opportunities for all minority groups.
- 500.3 ASSIGNMENT: Neither party may assign or subcontract any of its rights or obligations under the contract in whole or in part. Any attempted assignment under the contract shall be void and of no effect.
- 500.4 SPECIFICATIONS: The successful bidder (s) shall provide the following items, meeting at a minimum the specifications as listed:

GENERAL SPECIFICATIONS

2013 IC 30 Passenger Bus with 2 Wheel Chair Positions



Model Profile **2013 INTEGRATED CE C BUS (PC105)**

APPLICATION:	Commercial - Public Transit On Demand
MISSION:	Requested GVWR: 25500. Calc. GVWR: 25500 Calc. Start / Grade Ability: 19.10% / 1.75% @ 55 MPH
DIMENSION:	Wheelbase: 254.00, CA: N/A, Axle to Frame: 143.00
ENGINE, DIESEL:	{MaxxForce 7} EPA 10, 220 HP @ 2600 RPM, 560 lb-ft Torque @ 1400 RPM, 2800 RPM Governed Speed, 220 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 2200_PTS} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; Includes Park Pawl, Less PTO Provision, Less Retarder, With 26,000-lb GVW & GCW Max. Shuttle Bus Omit Item (Clutch & Control)
CLUTCH:	{Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity
AXLE, FRONT NON-DRIVING:	{Dana Spicer 17060S} Single Reduction, 17,500-lb Capacity, 190 Wheel Ends Gear Ratio: 4.88
AXLE, REAR, SINGLE:	{Dana Spicer 17060S} Single Reduction, 17,500-lb Capacity, 190 Wheel Ends Gear Ratio: 4.88
TIRE, FRONT:	(2) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range H, 16 ply
TIRE, REAR:	(4) 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range H, 16 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 18,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
PAINT:	Cab schematic 100NB Location 1: 9219, Winter White (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
PC10500	Base Chassis, Model INTEGRATED CE C BUS with 254.00 Wheelbase, N/A CA, and 143.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1CAC	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
1LLE	BUMPER, FRONT Full Width, Aerodynamic, Heavy Duty, Steel
1LNT	CROSSING GATE, FRONT Omit Item
1SAM	CROSSMEMBER, REAR, AF (2)
1WHU	WHEELBASE RANGE 254" (645cm) Only
2AEM	AXLE, FRONT NON-DRIVING (Dana Spicer D800-F) I-Beam Type, 8,000-lb Capacity
3ADA	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 8,000-lb Capacity; With Shock Absorbers
4085	BRAKE SYSTEM, HYDRAULIC (Meritor Wabco) Split System, Full Power, With Automatic Adjustment And With Four Channel ABS
4722	DRAIN VALVE (Bendix DV-2) Automatic; With Heater; for Air Tank
4GAW	BRAKE, PARKING (Bosch) DSSA Drum Type; 12" x 3", Spring Actuated; for Hydraulic Brake Chassis; Activated by Parking Brake Knob on Instrument Panel; With Key Switch Interlock, Park Brake Cannot be released Until Ignition Switch is in "On" Position; Differential Mounted
4JNG	TRACTION CONTROL, HYDRAULIC Automatic; With Full Power Hydraulic Brake System
4JNP	BRAKES, FRONT, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons
4NNL	BRAKES, REAR, HYDRAULIC DISC Quadraulic; four 70mm Diameter Pistons
4WXP	GVWR LIMITATION FOR BUS With Hydraulic Brakes, Limited to 29,800-lbs Maximum to meet FMVSS 105 Requirements, for Conventional Bus
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PRG	STEERING GEAR (TRW (Ross) TAS-40) Power
7BDV	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device Frame Mounted Right Side, Includes Long Horizontal Tail Pipe
7WBK	TAIL PIPE Long Horizontal, Exits Right Side Through Bumper
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
8540	HORN, ELECTRIC (2)
8GWY	ALTERNATOR (Leece-Neville 14931PAH) Brush Type, 12 Volt 320 Amp. Capacity, Pad Mounted
8MKL	BATTERY SYSTEM (International) Maintenance-Free, (3) 12-Volt 1950CCA Total
8WPB	HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
8WWWJ	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
8WYD	STARTING MOTOR (Delco Remy 29MT) 12 Volt; Less Thermal Over-Crank Protection, With Integrated Magnetic Switch
9HAD	GRILLE Chrome
9WAB	HOOD TILT ASSIST (EASY TILT) Mechanical
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
10788	PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.
10WHJ	SPECIAL ROUTING CONTROL To Bus Vehicle Modification Center
11001	CLUTCH Omit Item (Clutch & Control)
12890	BLOCK HEATER, ENGINE (Phillips) 120 Volt/1000 Watt
12NUG	ENGINE, DIESEL (MaxxForce 7) EPA 10, 220 HP @ 2600 RPM, 560 lb-ft Torque @ 1400 RPM, 2800 RPM Governed Speed, 220 Peak HP (Max)
12TTB	FAN DRIVE (Borg-Warner Series 790) Viscous Type, Screw On
12UGN	THROTTLE, HAND CONTROL Electronic
12UYE	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 717 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler
12VBR	AIR CLEANER With Service Protection Element
12VWH	GOVERNOR Electronic Road Speed Type; for International Electronic Engines and Bus Models; With 55 MPH Default
12VYV	IDLE MANAGEMENT SYSTEM Ramp Engine Speed With Air Condition On, in Neutral and Parking Brake Set, Accommodation Package
12VZD	FEDERAL EMISSIONS for 2010; MaxxForce 7 Engines
12WAK	ENGINE SOUND ABATEMENT PACKAGE Exterior, for International Engines With Underhood Blanket and Foam Covered Splash Shields.

<u>Code</u>	<u>Description</u>
12WZD	EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations
13AMD	TRANSMISSION, AUTOMATIC {Allison 2200_PTS} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; Includes Park Pawl, Less PTO Provision, Less Retarder, With 26,000-lb GVW & GCW Max. Shuttle Bus
13WLN	TRANSMISSION OIL Synthetic; 20 thru 28 Pints
13WYL	SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary
14AGE	AXLE, REAR, SINGLE {Dana Spicer 17060S} Single Reduction, 17,500-lb Capacity, 190 Wheel Ends . Gear Ratio: 4.88
14VAD	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 18,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
14WAP	SHOCK ABSORBERS, REAR (2)
15SAL	FUEL TANK Top Draw; Rectangular Steel, 65 U.S. Gal., 246 L With Protective Cage, Mounted Right Side
16010	COWL Flat Back
16992	AIR CONDITIONER, PROVISION FOR Accommodation Package, for Air Conditioning, Includes Two SD7 Sanden Auxiliary Compressor, Compressor Mounting, and Compressor Drive Effects
16HBA	GAUGE CLUSTER English With English Electronic Speedometer
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
27DMA	WHEELS, FRONT 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
28DMA	WHEELS, REAR 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
29580	WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings
29597	WHEEL SEALS, REAR {Stemco Voyager} Oil Lubricated Wheel Bearings
47AGC	BODY, BUS Conventional; 78" Headroom, 31'2" Body Length, +9 Section Front and Rear, 66 Passenger, 254 WB
47AJB	BODY CERTIFICATION TAG Mylar Label
47AJC	BODY TAG, METAL
47AKK	STEP, FRONT ENTRANCE DOOR 25 3/4" Depth; 14ga Steel
47AKZ	DECAL, HANDICAP (4) 6"x6", 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
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
47ARP	LIGHT BARS Plastic
47ASG	SKIRT, BODY for Conventional, 14 1/2", 16ga
47AUS	TIE DOWNS, BODY U-Bolts, Without Clips
47AXT	RUB RAILS, BODY (4) Conventional; Steel, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length, Includes Snow Rail
47AYB	BODY, REAR Includes Emergency Door
47AZE	SIDE SHEET, BODY, EXTERIOR Conventional, 16ga., Smooth, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Length
47AZL	FLOOR, BODY With Wheel Wells
47AZZ	RAILS, WRAP-AROUND Just Below Window Line
47BAR	SUPPORTS, REAR BUMPER Bolted to Frame
47BAU	BUMPER, REAR Painted; 12" High, 3/16" Thick, With 7" Hole for Exhaust
47BAW	TOW HOOK, LEFT REAR (01)
47BAX	TOW HOOK, RIGHT REAR (01)
47BBH	LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated
47BBZ	SEALER Extra; Sidewall to Floor, In Wheel Pocket Area, and Rear Wall to Floor
47DAE	FASTENERS, REAR DOOR Lag Screws, Rear Door To Body
47DAJ	COVER, REAR DOOR INSIDE HANDLE Partial Coverage
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
47DEK	LOCK, VANDAL, REAR DOOR with Ignition Starter Interlock

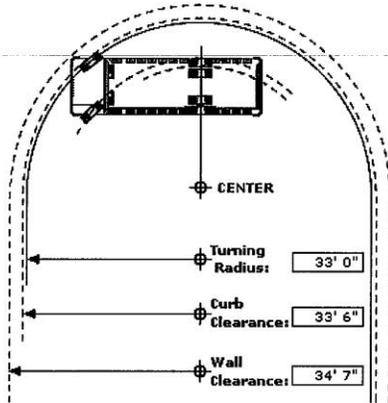
<u>Code</u>	<u>Description</u>
47DEV	LOCK, VANDAL, SINGLE LIFT DOOR with Ignition Starter Interlock
47DNB	DOOR, ENTRANCE, FRONT Electric, Outward Opening, with Split Pane Glass
47DRN	SWITCH, LOCATION Left of Driver; Includes 2 Position Door Control
47DWP	DOOR, LIFT Single, 43" x 69.79", Mounted Aft of Rear Wheel Pocket, With 78" Headroom
47EAA	COMPARTMENT, BATTERY Mounted Behind Left Front Wheel Pocket, 13" x 15" x 25.5"
47EBM	HOLD DOWN, BATTERY For (2) Standard Size Batteries
47EHX	HANDLE, EXTERIOR, LIFT DOOR Single Door, White
47KBN	STRIPING, ROOF HATCH, FRONT (3M) Decal, Perimeter, 1" White Fluorescent Diamond Grade
47LAB	NOISE REDUCTION, DRIVER FLOOR Insulation Covering Complete Driver Floor Area
47LAT	NOISE REDUCTION, ROOF BOW Conventional; Insulation, 31'2", 31'11", 32'8", 33'5", 34'2", 34'11", Body Lengths
47LAU	INSULATION, ROOF AND SIDES 1.50", All Models
47MAC	UNDERCOAT, FLOOR/STEPWLL/SIDES for Engine Noise Reduction
47MBA	UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec
47MJR	LETTERS, DOOR, REAR Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside
47MSC	STRIPING, PERIMETER, REAR Emergency Door; White, Reflective
47MSE	STRIPING, REAR END Reflexite 2"
47MSY	LOGO, ROOF LINE Omit
47MTY	WIRING DIAGRAM Schematic, Electrical
47MUS	STRIPING, K/O WINDOW, LEFT (3) Perimeter, White
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
47MXC	STRIPING, K/O WINDOW, RIGHT (3) Perimeter, White
47MZA	MONITOR, POST TRIP INSPECTION Omit
47NAA	PAINT RUB RAILS 9219 Winter White
47NGR	PAINT HOOD AND FENDER 9219 Winter White
47NGW	SEAL, RUB RAILS Top Edge, All Rails
47NJB	PAINT COLOR, BODY EXTERIOR 9219 Winter White
47NJS	PAINT COLOR, BUMPER Rear; 0001 Canyon Black
47NKL	PAINT, RUB RAIL Flange to Flange
47NKM	PAINT COLOR, BODY INTERIOR 9384 Spring White
47NLS	HANDLE, EXTERIOR, REAR Emergency Door; White
47NMG	OPERATING INSTR, REAR Decal, Inside Rear Emergency Door
47NNG	LETTERS, K/O WINDOW, LEFT (3) Decal Sets, "EMERGENCY EXIT", Black Inside and Outside
47NPD	LETTERS, K/O WINDOW, RIGHT (3) Decal Sets, "EMERGENCY EXIT", Black, Inside and Outside
47NXU	PAINT FLASHER BACKGRD To Match Body Color
47PBZ	HANDLE, ASSIST Windshield Side Mounted, Left and Right, Body Color
47SBS	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
48AHD	WINDOW, REAR DOOR, BOTTOM Laminated Clear
48AJN	DUAL A/C COMPRESSOR ACCOMMODATION; for Low Speed Acceleration Disable for Aftermarket A/C Systems
48ANT	WINDOW, DRIVER Laminated, Clear
48APL	WINDOW, STOPS 12" Opening, Only With 78" Headroom
48ARD	WINDOW, SASH (9) 27" Sections, 9" x 23" Opening
48ASR	WINDOW, SASH +9 SECTIONS (3) 9" x 32 1/4" Opening
48BAJ	WINDOW, K/O, LEFT (3) Vertical Hinge
48BKR	WINDOW, K/O, RIGHT (3) Vertical Hinge
48BUB	WINDOW, PASSENGER, TINT Conventional; 28% Light, Tempered Glass, 78" Headroom, With 34'11", 31'2", 31'11", 32'8", 33'5", 34'2" Body Lengths
48GHB	HEATER, DRIVER 90,000 BTU, with Defroster and With Rear Heat Duct
48GHD	SEAT BELT, DRIVER, COLOR With Black Seat Belt Webbing
48PAM	WINDSHIELD 3 Flat Pieces, 73% Light, With Band
48PAV	WHEEL POCKET COVER Plastic, ABS
48PAY	AISLE POSITION Center, for balanced seating
48PBC	FLOOR COVERING, COLOR Blue
48PJR	FLOOR COVERING, TRIM Aluminum
48PJZ	FLOOR COVERING, TYPE {Koroseal} All Body Lengths

<u>Code</u>	<u>Description</u>
49EXL	MIRROR, REAR VIEW, EXTERIOR {Rosco} Open View, Stainless Steel, Heated, Motorized, Non-Detent
49EZA	LIGHTS, DIRECTIONAL, REAR (2) {Sound Off} LED, 7" Amber LED, With Arrow
49EZJ	LIGHTS, MARKER, FRONT, REAR {Sound Off} (4) Total, LED, Armored, (2) Amber Front and (2) Red Rear
49GBC	KIT, BODY FLUID Mississippi, New Mexico, Alabama, North Dakota, Oklahoma, Pennsylvania, Wisconsin, California, Colorado, Hawaii, Illinois, New York, Rhode Island, Wyoming, Vermont, Maine, Louisiana, Massachusetts, Michigan, New Jersey, Arkansas, Kansas
49GBV	WINDSHIELD WIPERS (2) Cowl Mounted
49GDG	PADDING COMPART ABOVE DRIVER Window; Safety Equipment, Vandal Equip Compartment with Cutout for dome light
49GDS	COMPARTMENT ABOVE DRIVER Left of the Driver
49GEM	SAFETY TRIANGLES Warning Reflectors, Mounted on Front of Drivers Barrier 6" Below Top of Modesty Shield
49GGA	WRECKING BAR 24" Length; Mounted in Driver Area
49GGE	FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum With Flexible Hose and Metal Nozzle
49GHL	REFLECTORS, SIDE, INTERMEDIATE (2) Amber, 4", Adhesive Back
49GHN	REFLECTORS, REAR (2) 3", Red, Adhesive Back
49GHR	REFLECTORS, SIDE, REAR (2) 3", Red, Adhesive Back
49GHV	REFLECTORS, SIDE, FRONT (2) 3", Amber; Adhesive Back, 1 Aft Drivers Window Left, 1 Aft Entrance Door Right
49GKZ	FUEL FILLER DOOR With Non-Locking Latch
49GLZ	INTERLOCK, LIFT for FMVSS Wheel Chair Interlock Requirements; With Key in "ON Position", Park Brake Must Be Applied, Transmission in Park or Neutral, for Air Brakes, or in Park Only for Hyd Brakes, and Lift Door Must be Opened Before Lift Can be Activated, With Automatic Transmission Only
49GRS	LIGHTS, CLUSTER {Sound Off ATCVMLDP1R & ATCVMLDP1Y} LED; Amber Front and Red Rear
49GTK	SIGN, DESTINATION, FRONT Type 3, Plastic Lettered Panel, Illuminated, Specify Lettering
49GUC	CUTTER, SEAT BELT (Knife for Life) for Cutting Seat Belts
49GUM	INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel
49GUX	MUD FLAPS, FRONT WHEELS (2) Rubber
49GVC	MUD FLAPS, REAR WHEELS (2) Rubber; Behind Rear Wheels
49GWW	WINDSHIELD WASHER Kit; 6 Quart Capacity, Bottle
49HAH	STORAGE COMPARTMENT, BELTS (2) for Q-Straint Wheelchair Belts, Mounted to Wall
49HEW	TRACK, TYPE (BRAND) {Q'Straint L Track}
49HEY	TRACK, FLOOR LENGTHS 51"-100", With Full Shoulder Track
49HHA	TIE DOWN, TRACK (02) Retractable
49MJX	TIE DOWN, TRACK TYPE {QRT Q-8107-A1-L2} Retractable, With Track Fittings on Shoulder Belt
49MZX	LATCH, COMPARTMENT Non Locking, for Overhead Storage Compartment
49UAJ	STATE OF OPERATION Delaware
49ZAA	COMMERCIAL BUS NOT FOR SCHOOLS - This Code Certifies that the Dealer has Verified with the Purchaser that this Bus will Not Be Used for the Transportation of Passengers by Daycare Facilities, Preprimary, Primary or Secondary Schools to or from School or School-Related Activities
7382135415	(2) TIRE, FRONT 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range H, 16 ply
7382135415	(4) TIRE, REAR 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range H, 16 ply
OBD019	BODY PLAN, SPECIAL NEEDS FLOORPLAN WOLF-886
OBD020	MISCELLANEOUS (7) LH FREEDMAN FEATHERWEIGHT, MB, DOUBLE, WALL MOUNT, RIGID, LEVEL #1, VINYL UPHOLSTERY
OBD021	MISCELLANEOUS (8) RH FREEDMAN FEATHERWEIGHT, MB, DOUBLE, WALL MOUNT, RIGID, LEVEL #1, VINYL UPHOLSTERY
OBD022	MISCELLANEOUS (4) FREEDMAN AM2 FOLDAWAY, DOUBLE, LEVEL #1, VINYL UPHOLSTERY
	Services Section:
49GVN	WARRANTY 5-Year, Limited
	SURCHARGE
	MOD CENTER

ENGINE, DIESEL (0012NUG)
ATTACHMENTS: 0004JNG (TRACTION CONTROL, HYDRAULIC) 0004GAW (BRAKE, PARKING)

<u>Parameter</u>	<u>Value</u>	<u>UOM</u>
Max Vehicle Speed Limit	65	MPH
Max Eng Speed w/Vehicle Speed Fault	1581	N/A
Cruise Control Min Vehicle Speed	35	MPH
Cruise Control Max Vehicle Speed	65	MPH
PTO Maximum Engine Speed	2600	RPM
PTO Preset Engine Speed 1	1350	RPM
PTO Preset Engine Speed 2	1350	RPM
PTO Engine Speed Ramp Rate	100	RPM/SEC
PTO Max Vehicle Speed	10	MPH
PTO Remote Pedal Enable	DISABLED	N/A
Remote Pedal - Return To 0 Required	RTZ-NOT	N/A
Idle Shutdown Time	5	MIN
Idle Shutdown Mode	OFF	N/A
Change Oil Indication	SI_RESET	N/A
Customer Password:8700	0000	N/A

These Electronic Parameters have been successfully finalized



Series: INGB
 Model: PC105
 Description: INTEGRATED CE C BUS
 Model Year: 2013

Calculation Factors

Wheelbase: 254
 Front Axle: 0002AEM
 Description: AXLE, FRONT NON-DRIVING, {Dana Spicer D800-F} I-Beam Type, 8,000-lb Capacity
 Front Wheel: 0027DMA
 Description: WHEELS, FRONT, 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
 Front Tire: 07382135415
 Description: TIRES, 11R22.5 HSR2 (CONTINENTAL) 498 rev/mile, load range H, 16 ply
 Steering Gear: 0005PRG
 Description: STEERING GEAR, {TRW (Ross) TAS-40} Power

Turning Radius Statistics

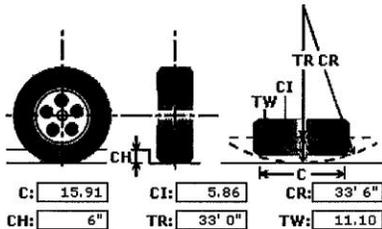
General Information

Inside Turn Angle: 50 Degrees
 Radial Overhang: 19

Axle Information

KingPin Inclination: 9 Degrees
 KingPin Center: 71

Turning Radius - Curb View



C - Curb Contact Length: 15.91
 CI - Curb Clearance Increment: 5.86
 CR - Curb Clearance Radius: 33'6"
 CH - Curb Height: 6"
 TR - Turning Radius: 33'0"
 TW - Tire Width: 11.10

* All Measurements are in inches, unless otherwise specified.

Bid Quotation Page

<u>Item Description</u>	Price
Bus	
2013 IC 30 Passenger Bus with 2 Wheel Chair Positions	\$_____
Manufacturer _____	
Model _____	
Delivery _____	

Note: Please include brochures with your bid.

DELAWARE STATE UNIVERSITY

Campus Shuttle Bus

CONTRACT # 12-03-22-07

Vendor

Authorized Signature Date

Address

Printed Name

Zip Code

Telephone Number

Federal EI Number