Thomas BUILT BUSES

Interstate Transportation Equipment, Inc.
P.O. Box 9163 • 2511 Trotter Road • Columbia, SC 29290

Telephone (803) 776-5041 • Toll Free (800) 726-0779 • Fax (803) 776-3527

July 12, 2006

RECEIVED
JUL 12 2006
Materials Management Office
11:00 A.M.

Mr. Allen Register
Materials Management Office – Procurement Officer
1201 Main Street, Suite 600
Capitol Center
Columbia, SC 29201

Re: Solicitation 06-S7243

Dear Mr. Register:

Thank you for the opportunity to participate in the above invitation to bid. Enclosed is our bid for the Buses, ADA Compliant-Statewide Term Contract as requested.

We have received, reviewed and understand the requirements of the solicitation including all amendments. We hereby confirm that our bid complies with all requirements of the solicitation.

Yours truly,

Robert D. Coleman
President

State of South Carolina

Invitation for Bid
Amendment - 1

Solicitation Number	06-S7243
Date Printed	06/24/2006 04:03 PM
Date Issued	06/24/2006
Procurement Officer	Allen Register
Phone	(803) 737-3410
E-Mail Address	aregister@mmo.state.sc.us

DESCRIPTION: Buses, ADA Compliant - Statewide Term Contract

USING GOVERNMENTAL UNIT: STATEWIDE TERM CONTRACT

The Term "Offer" Means Your "Bid" or "Proposal".

SUBMIT OFFER BY (Opening Date/Time): **07/12/2006 11:00 am** **See "Deadline For Submission Of Offer" provision**

QUESTIONS MUST BE RECEIVED BY: **06/30/2006 (regarding changes only)** **See "Questions From Offerors" provision**

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original and Three (2) copies (marked 'copy')**

Offers must be submitted in a sealed package. Solicitation Number & Opening Date must appear on package exterior.

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:
Materials Management Office
P.O. Box 101103
Columbia, S.C. 29211

PHYSICAL ADDRESS:
1201 Main St. - Suite 600
Capitol Center
Columbia, S.C. 29201

See "Submitting Your Offer" provision

CONFERENCE TYPE: DATE & TIME: **As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions**	LOCATION: **Materials Management Office** **1201 Main Street, Suite 600** **Main Conference Room** **Columbia, SC 29201**

AWARD & AMENDMENTS	Award will be posted at the Physical Address stated above on **07/19/2006.** The award, this solicitation, and any amendments will be posted at the following web address: http://www.procurement.sc.gov

You must submit a signed copy of this form with Your Offer. By submitting a bid or proposal, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date.

NAME OF OFFEROR (Full legal name of business submitting the offer)
Interstate Transportation Equipment, Inc.

AUTHORIZED SIGNATURE
(Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)

TITLE President (Business title of person signing above)

PRINTED NAME (Printed name of person signing above) Robert D. Coleman

DATE SIGNED 07/12/06

OFFEROR'S TYPE OF ENTITY: (Check one)
- ☐ Sole Proprietorship
- ☐ Partnership
- ☐ Corporation (tax-exempt)
- ☑ Corporate entity (not tax-exempt)
- ☐ Government entity (federal, state, or local)
- ☐ Other _____

(See "Signing Your Offer" provision.)

Instructions regarding Offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

STATE OF INCORPORATION SC (If offeror is a corporation, identify the state of Incorporation.)

TAXPAYER IDENTIFICATION NO. 57-0291119 (See "Taxpayer Identification Number" provision)

STATE VENDOR NO. 0002771 (Register to Obtain S.C. Vendor No. at www.procurement.sc.gov)

PAGE TWO

(Return Page Two with Your Offer)

HOME OFFICE ADDRESS (Address for offeror's home office / principal place of business)	NOTICE ADDRESS (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)
2511 Trotter Rd. Hopkins, SC 29061	P.O. Box 9163 Columbia, SC 29290 Area Code: 803 Number: 776-5041 Extension: Facsimile: 776-3527 E-mail Address: robert@interstatetransportation.com

PAYMENT ADDRESS (Address to which payments will be sent.) (See "Payment" clause)	ORDER ADDRESS (Address to which purchase orders will be sent) (See "Purchase Orders" and "Contract Documents" clauses)
P.O. Box 9163 Columbia, SC 29290	P.O. Box 9163 Columbia, SC 29290
☐ Payment Address same as Home Office Address ☐ Payment Address same as Notice Address (check only one)	☐ Order Address same as Home Office Address ☐ Order Address same as Notice Address (check only one)

ACKNOWLEDGMENT OF AMENDMENTS	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date
Offerors acknowledges receipt of amendments by indicating amendment number and its date of issue. See "Amendments to Solicitation" Provision	1	6/24/06						

DISCOUNT FOR PROMPT PAYMENT See "Discount for Prompt Payment" clause	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	____Calendar Days (%)

PREFERENCES – SC RESIDENT VENDOR PREFERENCE (June 2005): Section 11-35-1524 provides a preference for offerors that qualify as a resident vendor. A resident vendor is an offeror that (a) is authorized to transact business within South Carolina, (b) maintains an office* in South Carolina, (c) either (1) maintains a minimum $10,000.00 representative inventory at the time of the solicitation, or (2) is a manufacturer which is headquartered and has at least a ten million dollar payroll in South Carolina, and the product is made or processed from raw materials into a finished end-product by such manufacturer or an affiliate (as defined in section 1563 of the Internal Revenue Code) of such manufacturer, and (d) has paid all assessed taxes. If applicable, preference will be applied as required by law.	**OFFERORS REQUESTING THIS PREFERENCE MUST INITIAL HERE.** SC. *ADDRESS AND PHONE OF IN-STATE OFFICE 2511 Trotter Road Hopkins, SC 29061 ☐ In-State Office Address same as Home Office Address ☐ In-State Office Address same as Notice Address **(CHECK ONLY ONE)**

PREFERENCES – SC/US END-PRODUCT (June 2005): Section 11-35-1524 provides a preference to vendors offering South Carolina end-products or US end-products, if those products are made, manufactured, or grown in SC or the US, respectively. An end-product is the item identified for acquisition in this solicitation, including all component parts in final form and ready for the use intended. The terms "made," "manufactured," and "grown" are defined by Section 11-35-1524(B). By signing your offer and checking the appropriate space(s) provided and identified on the bid schedule, offeror certifies that the end-product(s) is either made, manufactured or grown in South Carolina, or other states of the United States, as applicable. Preference will be applied as required by law.	**IF THIS PREFERENCE APPLIES TO THIS PROCUREMENT, PART VII (BIDDING SCHEDULE) WILL INCLUDE A PLACE TO CLAIM THE PREFERENCE.** **OFFERORS REQUESTING THIS PREFERENCE MUST CHECK THE APPROPRIATE SPACES ON THE BIDDING SCHEDULE.**

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VIII. BIDDING SCHEDULE / PRICE-BUSINESS PROPOSAL

Preference are not applied to vehicle procurements. Life cycle costing is not required or used in solicitations for vehicles ≥8500 GVWR. *All prices listed below are to be expressed to the nearest dollar.*

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Agency Req.: 990000683

Item	Commodity / Service	Quantity	Unit Of Measure	Base Price	Extended Price
1	9982010100	100 per year	UNIT	$48,270.00	$4,827,000.00

Description: Bus, Specialty, ADA Compliant per specifications.

Body Make: STARTRANS BY SUPREME Body Model: SENATOR S-II

Chassis Make: CHEVROLET Chassis Model: 3500

Delivery to be made within 90-150 days after receipt of purchase order (ARO) (DEPENDING ON TIMING OF ORDER

The evaluated amount will consist of the "Base Price" (specified vehicle to include "Factory Installed Items") plus the weighted value of option items ("Total Options" x 25%). Complete the following worksheet to calculate the evaluated amount:

Base Price (enter in the "Base Price" block above).....$ 48,270.00

Options:

1. Limited slip differential (OEM) $ 272.00
2. Ziebart Class A Rust Protection System or approved equal with a minimum five years protection from rust. The rust proofing shall be completed prior to the application of undercoating material. Literature to be provided upon request. $ 650.00
3. Service and Parts Manual (Helms Manuals) $ 425.00

Total Options Amount (Σ of options 1-3) $ 1347.00

Options Weighted Value (Options Total Amount x .25) $ 336.00

Total Evaluated Amount (Base Price + Options Weighted Value) $ 48,606.00 2AR

IMPORTANT: The maximum acceptable mark-up for option items is factory to dealer cost plus no more than 10%. Options not requested as an "Add"/"Deduct" on the bid schedule herein, but which may be required (as an "Add" or "Deduct") by the user of this contract, will be furnished pursuant this contract by the contractor at dealer cost plus no more than 10%. The ordering governmental entity may require the contractor to provide proof of the contractor's cost for optional items. The cost documentation is to include verifying documents from the contractor's source (a third party such as the manufacturer, an up-fitter, etc.)

FERING BY ITEM (JANUARY 2006): Offers may be submitted for one or more items.

OTEST – CPO - MMO ADDRESS (JANUARY 2006): Any protest must be submitted in writing to the Chief curement Officer, Materials Management Office, 1201 Main Street, Suite 600, Columbia, SC 29201.

PRICES REQUIRED (JANUARY 2006): Unit price to be shown for each item.

I. SCOPE OF WORK / SPECIFICATIONS

ELIVERY / PERFORMANCE LOCATION – PURCHASE ORDER (JANUARY 2006): After award, all deliveries shall made and all services provided to the location specified by the Using Governmental Unit in its purchase order.

ELIVERY DATE – BY PURCHASE ORDER (JANUARY 2006): All items shall be delivered within ** days after ceipt of purchase order (ARO).

**The days ARO will be listed by the offeror on the bid schedule.

TECHNICAL SPECIFICATIONS

(Floor plan drawing is included as an attachment in Section IX)

1.0 CHASSIS

1.1 Chassis shall be 2006 or newer Shuttle Bess Cutaway, 158" WB, DRW, 11,500 GVWR **MINIMUM** with all standard equipment as specified to include:

V-8 gas engine
4-speed automatic
Spare tire and wheel

Dimensions (minimums):			Dimensions offered:
1.2.1	Wheel base	158"	159 "
1.2.2	Overall length	264"	282"
1.2.3	Overall width	95"	96.5
1.2.4	Inside width	91"	93 "
1.2.5	Overall height	110"	116 "
1.2.6	Inside height	75"	75 "
1.2.7	A shield or frame shall be provided to protect the fuel tank if the tank is removed and relocated or if the floor is lowered. There must a fuel tank access from inside of vehicle. Fuel pump access from inside of vehicle.		YES yes/no

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1.2.8 The drive shaft be rated capable of transmitting the torque multiplication of the power units to the drive wheels. Safety guards are required as necessary to prevent a broken shaft from touching the ground or contacting any part of the frame. YES yes/no

1.2.9 The bus shall be equipped with street-side exhaust terminating at the left no closer than three (3) feet to the rear bumper. Skid plate option for exhaust and running the exhaust straight out the rear. YES yes/no

.3 Electrical

1.3.1 Wiring shall be SXL 14 gauge copper strand or approved equal. All wiring shall be color-coded number for identification. All wiring shall be run inside the body in a protected area. Any wiring that is exposed to the elements shall be in nonmetallic loom and securely clipped for maximum protection. Clips shall be rubber or plastic coated to prevent their cutting through the wiring insulation. Protective grommets shall be installed at all points where wiring penetrates metal and other materials. YES yes/no

Circuit breakers, fuses, and electrical panels shall be in easily accessible locations. A separate panel for all add-on components shall be in easily accessible locations. A separate panel for all add-on components shall be located in an accessible area inside the vehicle. The bidder shall provide a complete wiring diagram showing the original wiring and the added wiring for the vehicle. This is to be mounted at a location convenient for service personal. No lock wire connectors will be allowed. Insulated stake-on spade terminals or approved equal shall be used. Grounding of components shall be through polarized shielded terminals wired to main structural ground points. All exterior connections shall be covered with heat shrink tubing.

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1.3.2 All accessories and electrical equipment except head and parking lights, emergency flashers, and wheelchair lift shall be wired through the vehicle ignition switch so as to be operative only with switch in ON or ACCESSORY position. YES yes/no

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1.3.3 A self-contained Strobe Lamp with a minimum rating of ten (10) joules. Double flash and a maximum height of six inches (6"). The strobe lamp flesh tube shall be warranted for a minimum of twelve (12) months. All other components shall be covered for the full warranty period. The strode lamp shall be mounted on the roof centerline within thirty-six inches (36") from the rear of the bus. This light shall be wired so as to operate with the ignition switch and shall be protected by a circuit breaker so that a short at the strobe lamp will not adversely affect any other component. The manufacturers standard metal protective guard shall be provided This guard shall be designed and installed to allow limbs or low hanging objects to ride over the lamp. Strobe with protective guard (low profile) wired to switch will be available to ordering units as an add option. YES yes/no

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1.3.4 Backup alarm rated at least 95 decibels or approved substitute (audible warning device) shall be provided on the vehicle. YES yes/no

1.3.5 Power wire to lift shall be securely clamped to lift door and protected by In-line circuit breaker with manual reset provided to lift. YES yes/no

1.3.6 A separate battery and charging system must provide for auxiliary power to the lift. The battery shall be affixed to the frame rail in a skirt mounted battery tray box with a lockable key. YES yes/no

Interior Options

Door passenger design needs to be addressed. Door welds and door motor may be drain hole or waterproof box.

Rear heater mounted as far rear in accordance with seating arrangements.

BODY

2.1 General

2.1.1 Standard bus body shall meet all stated specifications. The vehicle shall be reinforced such that the structural integrity of the basic is not degraded. YES yes/no

2.1.2 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in CFR 37 and 38, issued September 6, 1991. with respect to the body structure. YES yes/no

2.1.3 The cage shall be mounted into the chassis by manufacturer approved system and be adequately reinforced at all points where stress concentration may occur to prevent vibration, drumming, or flexing in service. YES yes/no

2.1.4 The body shall contain a collapse resistant steel roll cage. The exterior of the body shall be constructed of steel or aluminum excluding the front and rear end caps; fiberglass and composites materials are allowed. YES yes/no

2.1.5 The frame will consist of tubular steel or approved equivalent. Frame must consist no less than eight (8) stringers and three (3) longitudinal members. YES yes/no

2.1.6 The body shall be insulated with a minimum 2" fiberglass blanket or other fire-resistant insulation material to prevent heat loss in cold weather, and cool air in hot air weather. The interior shall be finished with a hard, smooth, cleanable, fiberglass, steel or aluminum liner, not less than 1/16" thick or approve equal. YES yes/no

2.2 ROOF

2.2.1 The roof shall be completely joined to become an integral part of the basic body. Both outer and inner roof shall be attached to the body in the same manner to prevent leakage. The new top must be completely sealed with an anti-fungal sealant. YES yes/no

2.2.2 Minimum of 75" center aisle height. YES yes/no

2.2.3 The roof conversion shall meet the FMVSS 220 requirements. A certified copy of the FMVSS 220 rollover protection test results for the type of vehicle to be provided must be included with the bidder's documents for the did to be considered for award. YES yes/no

2.3 FRONT ENTRANCE DOOR

2.3.1 Vehicle shall be equipped with a single front entrance floor, located opposite the driver. Door shall be of the hinged type and shall be driver operated electric. YES yes/no

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2.3.2 The door shall provide a clear entry height of at least 80". Clear entry height is measured by using a plumb bob to achieve a true vertical. By placing the line at the top of the door opening, where the bob falls is the "true vertical". This vertical is to be measured. YES yes/no

2.3.3 The door when extended open, shall have a clear opening width of at least 32". YES yes/no

2.3.4 Padded head bumpers shall be installed over the lift and emergency door. YES yes/no

2.3.5 Door shall be flush or approved equal with outside of the bus when in a closed position. Suitable weather stripping shall be used to provide a water and weather tight seal. YES yes/no

2.3.6 A grab rail shall be mounted at an angle to the door on each side to provide additional support while boarding and alighting. Rail, mounted to frame, to be a minimum of 1-1/4" in diameter. YES yes/no

2.3.7 When the front entry door is open, a light shall provide at least 1 foot-candle of illumination on the street surface for distance of 3 feet from all points on the bottom step tread. Such light shall be located below window level and shielded to protect the eyes of entering and exiting passengers. YES yes/no

2.4 Lowered Stepwell

2.4.1 The front entrance door shall have a lowered stepwell (minimum 2 steps below construction of floor level) constructed of corrosion resistant 16 gauge (min.) steel, or aluminum. Stepwell shall be treated with a rustproof coating. All components are to be welded construction. YES yes/no

2.4.2 The ground to first step shall be no higher than 13". There shall be a maximum 9" rise in the steps. Step tread depth shall be a min. of 8.5" and each step width shall have a clear opening of at least 18". No protrusions on the step that interfere with a clear passage shall be permitted. YES yes/no

2.4.3 Steps shall be fully recessed enclosed and protected from weather and other adverse conditions. The width of the lowered stepwell shall not extend more than 2" beyond the widest point on the vehicle body. YES yes/no

2.4.5 The tread surfaces of the front service entrance steps shall be covered with hard fire-resistant, slip-resistant, rubber covering. The rubber covering shall be at least 3/16" (0.187) thick with ribbed surface. Thickness shall be measured from the top of the ribs of the step covering. The rubber covering shall be permanently bonded to the metal step surfaces and shall be properly sealed to prevent moisture from getting underneath with all necessary moldings provided. All step edges and thresholds shall have a band of yellow running the full width of the step or edge. YES yes/no

2.4.6 Stepwell area shall have, when the door is open, at least 2 foot-candles of illuminations, measured on the step tread. Light shall illuminate when engine is engaged or not. YES yes/no

2.5 Door Opener

2.5.1 An electric, driver operated bus-type extended door opener with positive locking control shall be provided to open and close the front door. The emergency switch shall be interlocking compression-type located above the frame of each door. YES yes/no

2.5.2 The door opener switch shall be placed on a console so as to be within reach of the seated driver and not interfere with the boarding passengers. YES yes/no

2.5.3 Bidder shall submit door opener drawing and specification for approval with bid. YES yes/no

2.6 Windows

2.6.1 OEM standard windows in the OEM doors and windshield on the basic chassis shall be retained. Glass shall be OEM safety tinted type. YES yes/no

2.6.2 Windows shall be OEM safety glass and uniformly tinted. YES yes/no

2.6.3 Optional horizontal slide-opening type window may be installed in the body side throughout the passenger compartment to provide emergency egress as required by FMVSS. All windows of the horizontal slide-opening type shall have sashes of the double bay, horizontal slide type equipped with adequate locking features and devices to prevent window sections from moving or sliding by themselves during vehicle stops and starts. "T" type slide passenger windows may be an acceptable alternative to the horizontal slide type windows. Both horizontal and "T" type slide windows shall have drain holes incorporated in the window sash and be constructed to prevent back-up or entrance of water into the vehicle. Windows shall be provided with safety and privacy tint. No warning devices may be installed. YES yes/no

2.6.4 All windows shall be fitted with durable firmly installed weather seals to prevent the entrance of air and water, including spray from commercial vehicle wash equipment, and driving rain. Materials used for weather seals shall be designed to withstand varying temperature extremes, road splashed salt and other exterior elements without cracking, leaking, loosening or deteriorating. YES yes/no

2.6.5 All windows, except windshield, front doors, and rear emergency door shall be tinted with OEM privacy tint. YES yes/no

2.6.6 All windows (including windshield) and tinting shall meet all applicable Federal and State Motor Vehicle Safety Standards. YES yes/no

2.7 Side and Rear Doors

2.7.1 The rear door with upper window shall be installed for emergency exit from the vehicle. The width shall accommodate the egress of disabled persons and meet FMVSS and ADA requirements. YES yes/no

2.7.2 Rear and side doors shall be easily operable from the inside with easily accessible door locks provided. YES yes/no

2.8 Roof ventilator/emergency exit

2.8.1 A manual hatch with power fan shall be installed in the raised roof of the vehicle at approximately the center of the passenger compartment. The hatch shall be 23" x 23" minimum and shall be installed so that fresh air can be circulated in the vehicle. A Transpec, Inc., model shall be provided or approved equal. The hatch shall meet all federal safety standards. No warning devices may be installed. YES yes/no

2.9 Bumpers

2.9.1 OEM front and flat matte black painted formed steel rear bumpers with end caps shall be provided. The rear bumper must be directly welded to the bumper bracket and bolted to the frame rail, no extensions allowed. The rear bumper may not be closer than 4" to any portion of the end cap at the rear body. Reflective safety tape shall be mounted on the rear bumper so as to provide night visibility for motorists behind the bus. YES yes/no

2.10 Exterior lighting

2.10.1 Exterior lighting shall meet all state and federal regulations. YES yes/no

2.10.2 Lighting requirements for the front entry and lift door areas must meet ADA requirements. See sections 2.3.10 and 4.7.7. YES yes/no

2.11 Exterior Mirrors

2.11.1 Dual view Lucerix or Metagal manual controlled exterior mirrors shall be provided and installed with minimum dimensions of 8" x 12" to include a 6" x 3" convex lower mirror. YES yes/no

2.11.2 A minimum 8" x 12" wide angle rear window lens for backing up and driving safety shall be provided. YES yes/no

2.12 Finishing procedures

2.12.1 All bare metal components shall be prepped with Ditzler Metal Prep 79, painted with Ditzler DAS 1980 primer sealer and finished with Ditzler acrylic enamel paint to match the vehicle, or equivalent. All welded areas should have particular attention. If another type and method is used, explain in detail on attached sheet. YES yes/no

2.13 Undercoating

2.13.1 The entire underside of the vehicle body, including the undersides of fenders, shall be coated with a fire resistant asphalt base, rubber base, or equivalent — YES yes/no

2.14 Exterior Color

2.14.1 All OEM standard paint colors shall be available — YES yes/no

2.14.2 Any metal body extensions shall match bus body OEM standard paint colors. — YES yes/no

2.14.3 The body shall match the chassis OEM standard paint color, unless specifically requested by the project that the roof be white with a contrasting body color. — YES yes/no

.0 INTERIOR

3.1 General

3.1.1 Interior finish shall be completed in a highly professional manner. Interior colors shall color-coordinated and complimentary to the bus's exterior color. — YES yes/no

3.1.2 All sharp edges, sharp corners, and/or protrusions shall be eliminated for safety reasons. Any fastenings or other objects that can catch a passenger's clothing or cause injury shall not be permitted. No abrasions, marks or cuts will be acceptable on any of the interior walls or seats. — YES yes/no

3.1.3 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in CFR 37 and 38, issued September 6, 1991, with respect to the vehicle interior. — YES yes/no

3.2 Paneling and trim

3.2.1 Interior paneling shall be OEM or approved equivalent. If interior finish is not OEM bidder must provide pictures to show that interior finish is completed in a highly professional manner. Interior color shall be color-keyed to the bus's exterior color. — YES yes/no

3.2.2 All rivets, screws, snaps, etc. in paneling shall present a finished look. All joints in the interior paneling shall be covered by trim strips or molding. — YES yes/no

3.2.3 All interior panels, materials and treatments shall meet all federal motor vehicle safety standards. — YES yes/no

3.3 Insulation

3.3.1 The vehicle body shall be fully insulated in the roof and all body panels, including all extended top and bottom door panels to deaden sound and reduce vibrations and heat transfers. — YES yes/no

3.3.2 A minimum 2" thick blanket of fiberglass or other fire-resistant insulation material or OEM insulation package shall be provided in sidewalls. YES yes/no

3.4 Flooring

3.4.1 Floor shall be flat design without wheel wells. The sub-flooring shall be a minimum ½" thick exterior A-C marine grade, waterproof plywood securely fastened to the under structure. All edges, cutouts, notches, etc., shall be properly sealed after cutting to prevent moisture from entering between the plies. YES yes/no

3.4.2 The floor covering shall be wall-to-wall, hard fire resistant, slip-resistant, transit quality black rubber flooring securely bonded to the plywood floor with waterproof type adhesive. All joints in the rubber covering shall be butt cut and properly sealed. There shall be no bubbles or blisters in the floor covering. YES yes/no

3.4.3 Black 1/8" thick smooth rubber surface shall be provided in the driver's area. YES yes/no

3.4.4 3/16" thick ribbed black rubber surface shall be provided in the entire passenger area floor and shall be sealed at all points where moisture may enter. YES yes/no

3.4.5 Metal molding shall be provided at the edge of the stepwell or threshold and along the front edge of center aisle. The threshold shall have a band of yellow running the full width of the edge. Plastic, fiberglass or FRP cove molding shall be firmly attached to the floor and conform closely of the floor and sidewalls. YES yes/no

3.4.6 A slip-resistant surface shall be provided in the step area of the driver, side and rear door entrances. YES yes/no

3.5 Seating

3.5.1 Driver's seat shall be deluxe high back, fully padded, contoured bucket type of heavy-duty construction with armrest. The driver's seat shall be easily adjusted forward and backward without the use of tools. OEM unibelt restraint system is required. Upholstery shall be color-keyed to the passenger seats. YES yes/no

3.5.2 Bench seating shall be 3-34" forward facing RH, 3-34" forward facing LH 3-step "Foldaway" with padded grab rails and 1-forward facing fold-up bench at rear. (Bidder to furnish floor plan drawing) YES yes/no

3.5.3 Upholstery material shall be 36 oz./sq.yd. minimum, transit vinyl. Seats shall color-keyed to the vehicle's interior panels and exterior color. YES yes/no

Knee room 11" – 12"
Aisle width 12: - 14"
Foam padding shall be high density (4.5 pcf) non-deformable foam. Load bearing values in excess of 45ILD.

3.5.4 Diagrams of seating arrangements are provided in the bid package in amendment. YES yes/no

3.5.5 All seating shall meet or exceed all applicable FMVSS requirements. YES yes/no

3.6 Passenger Restraint System

3.6.1 Each seat position shall be equipped with beam seat restraint belts. They are to have a push button release and heavy-duty inertia-type retractors. They must meet all applicable FMVSS regulations. Two (2) belt extensions per bus are to be included. The extensions, when attached to the standard belt, will combine to a total minimum length of 90". The belt with extension combination must also meet applicable FMVSS regulations. YES yes/no

3.6.2 Seat belts shall be securely attached to structural members of the seat at two points. Attachment to vehicle under flooring is acceptable when a 3" washer is used. Belts may be attached to and become an integral part of the bench seat if the seat has been tested to meet applicable FMVSS requirements. 220 test. YES yes/no

3.7 Floor Plans

3.7.1 Passenger seats shall be arranged such that the unobstructed hip-to-knee room, measured at seat level for each seated passenger, shall not be less than 27". YES yes/no

3.7.2 Seating arrangements are provided in attached diagrams. YES yes/no

3.8 Lighting

3.8.1 The interior of the vehicle shall be adequately illuminated. Overhead lighting fixtures and courtesy lights shall be arranged in such a manner to provide lighting intensity at a reading level. YES yes/no

3.8.2 Adequate light shall be provided for the instrument panel, with intensity controlled by an instrument panel switch. YES yes/no

3.8.3 All door lights and the front passenger door/stepwell shall illuminate automatically when the passenger entry door is open. Stepwell light type and location shall be provided as to not be a hazard to boarding passengers. YES yes/no

3.8.4 Lift lighting shall be provided and required to illuminate on the lift as well as on the street surface outside the lift door to meet ADA requirements. YES yes/no

3.9 Instrument Panel, Dash, and other Controls

3.9.1 Dash shall be color coordinated with interior trim color. Black will not be an acceptable color. Glove box with light and lock to be provided above drivers seat. YES yes/no

3.9.2 Instrument panel and dash shall be equipped with OEM instruments, gauges, and controls. All controls and switches shall be within easy reach of the driver. No overhead switches or controls are permitted. Lights in lieu of gauges are not acceptable except as noted. The following OEM instruments, gauages, and controls are required: YES yes/no

Speedometer with odometer and trip odometer
Oil pressure gauge
Voltmeter
Engine coolant temperature gauge
Fuel gauge
Upper beam head lamp indicator (light)
Directional signals (light)
Parking brake on (light)
Headlight switch
Inside hood release
Controls for heater, defroster, and air conditioner
12 Volt Power Port
Standard OEM AM/FM push button with digital clock or equal
Windshield wiper and washer – two speed, intermittent type
Emergency flashers

3.9.3 Operator instrument panel and console shall be equipped with the following controls. All controls and switches shall be within easy reach of the driver. No overhead switches or controls are permitted. YES yes/no

General Interior Lights
Brake Lock/Lift Over-ride
Ventilator Fan
A/C Rear
Entrance Door
Rear Heater
Lift Door Ajar

3.9.4 OEM driver's sun visor and interior rear view mirror to be provided. YES yes/no

3.10 Heating and Cooling

3.10.1 Front heater and defroster shall be OEM with the maximum BTU rating available. YES yes/no

3.10.2 Front, high capacity, air conditioning shall be provided. OEM in-dash unit shall be supplied with the maximum BTU rating available. The dash unit shall be separately controlled from any auxiliary system. This is a dual compressor system which requires a 200 Amp alternator. YES yes/no

3.10.3 An auxiliary rear heater system with the maximum BTU's available shall be supplied. No unit producing less than 35,000 BTU's will be considered. The heater shall provide a maximum amount of comfort for vehicle passengers. The unit shall be located in the rear under seat. Blower shall be controlled by a three position switch ("OFF" position and 2 speeds). YES yes/no

3.10.4 Ceiling mounted rear A/C evaporator shall be Carrier (40,000 BTU) minimum, however the auxiliary floor heater shall remain the same as specified in 3.10.3. OEM front dash installed evaporator shall be provided. YES yes/no

3.10.5 Air circulation shall be high volume with low velocity to provide draft-free comfort. Carrier has a system. YES yes/no

3.10.6 There shall be a shut-off valve(s) in the heater piping located near the engine and easily accessible t permit the water circulation to the heater to be shut off during hot weather. YES yes/no

3.11 Stanchion and grab bars

3.11.1 Stanchions and grab bars shall be of stainless steel or equivalent, a minimum of 1-1/4" in diameter and padded. Padding shall be permanently bonded to stanchions and grab bars. All stanchions shall be mounted, structural main members. YES yes/no

3.11.2 Vertical stanchion bars shall be provided for both sides of the front passenger entrance. A grab bar shall extend from the left stanchion, rear edge of the stepwell, to the vehicle sidewall at an appropriate height to provide passengers some support while climbing the steps. Padded modesty panels shall be provided at the rear edge of the stepwell, under the grab bar and direct behind the driver seat. YES yes/no

3.11.3 Permanently bonded padded grab bars shall be located on top of each forward facing permanent passenger seat. YES yes/no

3.11.4 A passenger assist grab bar shall be provided on the passenger door area. YES yes/no

3.11.5 Additional padded stanchions shall be installed at the locations indicated on attached diagrams. YES yes/no

3.12 Priority Seating Sign

3.12.1 Each vehicle shall contain a sign which indicates that the seats in the front of the vehicle are priority seats for people with disabilities. YES yes/no

3.12.2 Each wheelchair station location shall be designated as such. YES yes/no

3.12.3 The signs shall be in compliance with CFR 38, subpart 38.27 and the Appendix to same. YES yes/no

3.13 Emergency and Safety Equipment

3.13.1 Fire extinguisher – dry chemical type, multipurpose, Class ABC, 5lb., rechargeable with gauge, UL approved, shall be provided. To be bracket mounted securely behind drivers seat on the padded modesty panel. YES yes/no

3.13.2 First Aid Kit – 16 unit (1-15 persons) Ever Ready. First Aid Kit or approved equal shall be provided, seat belt cutter, body fluid and blood pathogen kit. YES yes/no

3.13.3 Warning kit – Three (3) portable warning reflectors, that can be mounted on stands, shall be furnished in a kit or box. Kit shall be mounted in an accessible location. YES yes/no

4.0 WHEELCHAIR LIFT SYSTEM

4.1 General

4.1.1 Vehicles shall meet or exceed all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in CRF 37 and 38, issued September 6, 1991, with respect to mobility aid accessibility. The contractor is solely responsible for any additions, deletions, omissions or interpretations of ADA, as it relates to the construction of said contracted vehicle(s). YES yes/no

4.1.2 For the purpose of this specification the terms "wheelchair" and "mobility aid" may be used interchangeably. YES yes/no

4.1.3 The unit will comply with FMVSS 403/404. If there is a conflict between the specifications listed in this document and FMVSS 403/404, the FMVSS standards prevail. YES yes/no

4.2 Wheelchair Stations

4.2.1 Wheelchair stations are the spaces inside the vehicle for transporting persons in wheelchairs and are to be provided on all vehicles having wheelchair lifts. Each wheelchair station shall consist of usable floor area in which a passenger in a wheelchair may be positioned and where wheelchair occupant restraint systems and wheelchair securement devices are to be installed. YES yes/no

4.2.2 All wheelchair stations shall be designed to secure wheelchairs in a forward facing position. YES yes/no

4.2.3 Each wheelchair station shall provide adequate room for a standard size wheelchair. No obstructions shall hinder a wheelchair from being rolled into place. Each wheel chair station shall have a clear floor area of 30" in width and 48" in depth. Not more than 6" of required clear floor space may be accommodated for footrests under another seat provided there is a minimum of 9" from the floor to the lowest part of the seat overhanging the space. YES yes/no

4.2.4 Floor plans are attached to indicate types of wheelchair lifts and station locations. YES yes/no

4.3 Wheelchair Securement System

4.3.1 A four point track/belt tie down system shall be provided at each wheelchair station to securely hold the wheelchair in a forward facing position. Securement systems and their attachments to the vehicles, shall withstand a force in a forward longitudinal direction of 2,500 lbs. per securement leg and a minimum of 5,000 lbs. For each mobility aid. Movement of an occupied wheelchair or mobility aid shall be no more than 2 inches in any direction. YES yes/no

4.3.2 This system shall be composed of the following components: four separate belts and our lengths of track with all necessary buckles, hardware fittings and other parts to make it a complete wheelchair securement system. Aeroquip or Sureloc. YES yes/no

4.3.3 In certain wheelchair station arrangements; shared floor track may be used, provided that adequate belt securement slots are furnished. Adequate length of track should be provided to accommodate various sizes of wheelchairs within each wheelchair station. YES yes/no

4.3.4 The floor tracks shall be securely mounted ___ of the rubber flooring. Recessed mountings may be acceptable upon approval. In cases where the track is located over ribbed rubber flooring, such as in the aisle, the ribbing shall be removed so that belt securements can be inserted and removed easily. Care shall be taken to avoid damaging or destroying the integrity of the rubber flooring. YES yes/no

4.3.5 During installation of the wheelchair securement system care shall be taken to avoid damage to any of the vehicle's components. Particular attention should be taken to avoid damage to the fuel tank(s) during the after installation of the floor tracks. One method, which has been used to avoid damage, is to remove the fuel tank(s) from the vehicle prior to drilling of the track boltholes to prevent puncturing of the tank(s). After bolting the tracks to the floor any excess bolt length should be cut off. Then the tanks can be remounted with consideration given to using wooden spacers, treated to resist rotting between the underside of the floor and the top of the tank(s). The purpose for the spacers is to block the tank away from the floor to prevent the bolt ends and nuts from rubbing holes into the fuel tank. If removed, the fuel tank(s) should be reinstalled securely and safely. YES yes/no

It should be noted that the method of installing the track is the sole responsibility of the vendor and he may use whatever method will obtain the required results. By submitting and signing this bid, the Bidder hereby certifies that the wheelchair securement system has met all applicable Federal Motor Vehicle Safety Standards, and has been mounted in accordance with the manufacturer's specifications.

4.3.6 When not being used for securement, the securement system shall not interfere with passenger movement, shall not present any hazardous condition and shall be reasonable protected from vandalism. A piece of floor track may be used. Track size shall be the appropriate length so that all belts of the system can be attached. Location for mounting the track may be on sidewall or behind modesty panel, however the location must be easily accessible. YES yes/no

4.3.7 Literature describing and giving instructions on the use of the wheelchair securement system shall be provided with each wheelchair lift equipped bus. YES yes/no

4.4 Wheelchair Occupant Restraint System

4.4.1 A three-point restraint system consisting of a lap and shoulder belt combination shall be provided for each wheelchair station. The shoulder belt shall be a minimum of 86" in length and the lap belt shall be a minimum of 43" in length. Belt connection around wheelchair occupant shall be button release and comply with all federal and state motor vehicle safety standards and regulations. YES yes/no

4.4.2 The shoulder attachment point shall be secured in a structural member of the sidewall. The lap belt shall be secured by inserting in into the floor track provided for the wheelchair securement system. The shoulder and lap belt shall connect at the buckle portion of the restraint. Restraints shall be designed and installed in such a manner that the restraint belts transfer crash forces to the hips and upper torso portions of the skeleton and shall not transfer these forces to the abdomen section of the passenger. The attachment shall comply with all federal and state motor vehicle safety standards and regulations. YES yes/no

4.4.3 Shoulder belts shall be retractable at the wall connection or removable and shall not hand loose or interfere with movement in bus when not in use. Restraint belts that are removable from floor and wall shall be stored in same track or other storage area as provided for in wheelchair securement system. Restraint belts permanently fixed to the floor will not be acceptable. YES yes/no

4.4.4 The wheelchair occupant restraint system shall be independent from the wheelchair securement system. Restraint system shall not be attached to the wheelchair. YES yes/no

4.5 Wheelchair Lift

4.5.1 The wheelchair lift system shall be a system which permits persons confined to a wheelchair to enter and leave a vehicle while in a wheelchair without difficulty by means of a vertical lifting platform or lift and which also provides for the safe transportation of persons in wheelchairs inside the vehicle. Acceptable wheelchair lift shall be either Braun or Ricon models. Bidder shall submit manufacturer's specification for approval with bid. YES yes/no

4.5.2 Wheelchair lift shall be of electro-hydraulic or electro-mechanical powered designed. YES yes/no

4.5.3 Lift shall require no independent power source. The lift shall operate on the vehicle's existing heavy-duty electrical system as specified in 1.10. Switch shall be mounted on ____ side down. YES yes/no

4.5.4 The frame and platform design shall have been tested to a static load of 2400 lbs. The lift shall have 1100 lb. tested lift capacity and a 750 lb. Continuous lifting capacity. YES yes/no

4.5.5 The design for lift mechanical load bearing components shall have a safety factor of at least 6; all other structural parts shall have a safety factor of 3. The design factor shall be defined as the ratio of the failure load to the design load. YES yes/no

4.5.6 The lift's self-destruct characteristics shall be tested by cycling it two times without a load and with limit switches inoperative. At each position where limit switches normally prevent the lift from continuing (for example, at the uppermost position) power shall be maintained to the lift for five seconds after the platform comes to rest. The lift shall be designed to withstand such action without damage. YES yes/no

4.5.7 All hardware that will be subjected to wear, corrosion, or other adverse action that would reduce the safety of the lift, and items requiring periodic maintenance shall be provided with easy inspection access. YES yes/no

4.5.8 Placement of the lift or the method of attachment shall not significantly diminish the structural integrity of the vehicle or cause a hazardous unbalancing of the vehicle either by its weight when the vehicle is moving or by its weight and load when the vehicle is stopped, subject to the vehicle manufacturer's recommendations. YES yes/no

4.5.9 All fasteners for joining parts or attaching the lift to the vehicle shall be specified by the lift manufacturer and be able to withstand operating vehicle and lift vibrations without loosening. YES yes/no

4.5.10 Shear areas or pinching action mechanisms of the lift shall not be readily accessible to occupants, passengers, or operators during normal operation of the lift. In the event that readily accessible shear areas of pinching actions mechanisms are unavoidable, the safety of occupants, passengers and operators shall be provided for by physical barriers, safety-stop switches restricting the operating force of the equipment below that which cause injury or other recognized safety methods. YES yes/no

4.5.11 All exposed edges or other hazardous protrusions on the lifts which are stowed inside the passenger compartment shall be equipped with padding of a thickness to the manufacturer's recommendation. Padding shall be of an energy absorption material capable of minimizing injury-producing forces and shall extend to within 3" of the vehicle floor. YES yes/no

4.5.12 All protrusions or moving parts of the lift mechanism which could snag clothing shall have a guard or shield to protect passengers and/or operator. YES yes/no

4.5.13 Interior padding shall be provided above the door opening for the lift to avoid injury during loading and unloading of passengers. Padding shall extend the entire width above the door opening and shall also be provided along the interior roof-ceiling mating edge, and at all other locations where sharp or potentially hazardous edges occur. YES yes/no

4.5.14 All through body fittings shall be of non-corrosive materials. YES yes/no

4.5.15 All wiring and cords for an interior mounted lift shall be able to withstand adverse weather conditions, extreme heat and cold. Protective covering for wiring and cords shall be provided if necessary. YES yes/no

4.5.16 Vendor shall re-undercoat with an automotive type undercoating, and otherwise seal all through-body fittings from moisture. The reapplication of undercoating is only required for through-body fittings. YES yes/no

4.5.17 An operational manual shall be provided with each vehicle to include at a minimum, normal and manual lift operations, preventive maintenance schedule, use of wheelchair restraint and seat belt system, lift trouble shooting and parts listing. YES yes/no

4.6 Lift Platform

4.6.1 Platform surface shall be a slip resistant material and shall be free of any protrusions over ¼" high that might cause injury to operator and passengers. The platform construction shall be of expanded metal mesh, to allow for driver vision through any portion that overlaps a window when in a stored position. YES yes/no

4.6.2 The platform shall have a minimum clear width of 32", a minimum clear width of 32" measured from 2" above the platform surface of 36" above the platform, and a minimum clear length of 54" measured from 2" above the surface of the platform to 36" above the surface of the platform. YES yes/no

4.6.3 A transition or bridge plate shall be hinged design and mounted as an integral part of the bus so as to provide a smooth transfer from the platform to the interior of the vehicle. The transition plate shall be mounted in such a manner that the sides of the plate do not make contact with inside rails of the platform. The transition plate shall be secured so as not to interfere with the operation or storage of the lift platform or the placement of wheelchairs. YES yes/no

4.6.4 When the platform is at vehicle floor height, gaps between the platform edge and the vehicle floor shall not exceed ¼". YES yes/no

4.6.5 Platforms shall be equipped with a movable barrier or inherent design feature shall prevent a wheelchair from rolling off the edge closest to the vehicle until the platform is in its fully raised position. YES yes/no

4.6.6 Platforms shall be equipped with permanent vertical side plates at least 2" higher than the surface of the platform. YES yes/no

4.6.7 An automatically actuated roll-off barrier across the full length of the loading-edge or entrance ramp of the platform shall be provided. The barrier shall be of sufficient height when closed to prevent a power wheelchair from riding over the barrier. The barrier shall automatically close and remain closed when the lift rises 3" above the ground surface. The entrance ramp shall not exceed a slope of 1:8, measured on level ground, for a maximum rise of 3", and the transition from ground to ramp may be vertical without edge treatment up to ¼". Thresholds between ¼" and ½" high shall be leveled with a slope no more than 1:2. YES yes/no

4.6.8 The basic bid shall be on an automatic interior lift that provides a self-locking, rattle free mechanism to secure the lift when stowed. YES yes/no

4.6.9 Platforms shall be capable of being raised and lowered with no sudden acceleration, deceleration or jerking motion. The lift shall be equipped with a mechanism to allow manual adjustment of the platforms descent and ascent speed. YES yes/no

4.6.10 The platform shall not move at a rate exceeding 6 inches/second during lowering and lifting an occupant, and shall not exceed 12 inches/second during deploying or stowing. YES yes/no

4.6.11 Platforms, when in the raised horizontal position, shall not deflect more than 3 degrees in any direction between its unloaded position and when loaded with 600 lbs. applied through a 26" x 26" test pallet. YES yes/no

4.6.12 The platform shall be capable of lowering a minimum of 1.5" below the reference ground line, enabling it to be used in a condition where the ground level is lower than the vehicle standing level. YES yes/no

4.6.13 Handrails shall be provided on two sides of the platform and move in tandem with the lift. Handrails shall be graspable and provide support. Handrails shall have a usable component at least 8" long with the lowest portion a minimum 30" above the platform and the highest portion a maximum 38" above the platform. The handrails shall be capable of withstanding a force of 100 lbs. concentrated at any point on the handrail without permanent deformation of the rail. The handrail shall have a cross-sectional diameter of 1-1/4" to 1-1/2", or shall provide an equivalent grasping surface. Handrails shall not interfere with wheelchairs entering or leaving the vehicles. Handrails in the stowed position shall not extend in the vehicle's passenger area more than 5" and shall be secured in such a manner to keep them from rattling and prevent this from becoming a hazard to passengers. YES yes/no

4.7 Lift Controls

4.7.1 Operating controls shall be of heavy-duty commercial type and shall be designed for hand-held operation with adequate cord extension to allow operation of the lift by the operator standing outside the vehicle at a position behind or at the side of the lift platform. A method for storing and securing the controls when not in use shall be provided. All lift configurations are required to mount and fastened excess lift control cord securely to the lift and lift door. YES yes/no

4.7.2 The controls shall be designed to be used safely without adverse effects to the operator or to the controls in all weather conditions. YES yes/no

4.7.3 Lift controls shall be easily understood by the operator and shall not allow automatic sequencing of the lift from one mode to another that would jeopardize the safety of the wheelchair passenger. YES yes/no

4.7.4 Operation switches shall require continuous force from the operator for functioning. YES yes/no

4.7.5 Lift controls shall allow for instant direction reversal at any point in the cycle. YES yes/no

4.7.6 In addition to the normal operating power, a manual backup system for unloading wheelchair passengers and returning the lift to the stowed position shall be provided in the event of electrical failure. The backup system shall be mounted on the interior of the vehicle and in a location that will not interfere with passenger loading and unloading. YES yes/no

4.7.7 Lift platforms stowed or when occupied shall have provisions to prevent their deploying, falling or folding any faster than 12 inches/second or their dropping of an occupant in the event of a single failure of any load carrying component. YES yes/no

4.7.8 The lift controls shall be inoperative unless the vehicle's emergency brake is activated. For models that require exterior mounting of the lift controls, a power cut-off or interrupt switch shall be installed on the dash panel to prevent unauthorized use of lift controls while vehicle is parked and locked. The power cut-off shall also prevent a battery drain. YES yes/no

4.8 Lift Door

4.8.1 Lift door opening shall meet all ADA requirements. YES yes/no

4.8.2 The lift door opening shall be a minimum of 43" x 64". All components shall be of welded construction. YES yes/no

4.8.3 Refer to section 4.5.13. YES yes/no

4.8.4 Door shall be equipped with a device to prevent doors from closing when the lift is in motion. YES yes/no

4.8.5 Door(s) shall be securely attached and shall not leak. YES yes/no

4.8.6 A light shall be installed inside and above the lift door. The light shall operate automatically when the lift door is opened and provided at least 2 food candles of illumination measured on the entrance area and the lift platform. YES yes/no

4.8.7 The same light in 4.8.6 or other lights mounted outside the lift door, shall provide at least 1 foot candle of illumination on the street surface for a distance of 3 feet *from all points on the lift platform*. Such light shall be located below door level and shielded to protect the eyes of entering and exiting passengers. YES yes/no

4.8.8 An AI Brake Interlock System is required. YES yes/no

4.9 Additional requirements

4.9.1 In addition of these specifications, lifts and all related equipment shall be designed, built attached and operated in accordance with all applicable safety codes and design standards. Examples of some to the applicable codes and standards are: YES yes/no

a. Society of Automotive Engineers (electrical components and wiring, hydraulic components, fasteners); YES yes/no

b. American National Standards Institute (chain drive and wire rope components); YES yes/no

c. American Welding Society (welding code and recommended practices)' YES yes/no

d. Federal Motor Vehicle Safety Standards; etc. YES yes/no

4.9.2 All parts shall be new. All necessary servicing and adjustments shall be made on the equipment prior to delivery of the vehicle. All equipment shall be ready for immediate and continuous operation upon delivery of the vehicle. All exposed metal surfaces shall be painted or shall be corrosion resistant. All lift components (including wiring) located on the underside of the vehicle shall be concealed but accessible for maintenance purposes. All interior wiring shall be concealed. YES yes/no

4.9.3 "Stop Request" pull cord with touch tape is to be located at the wheel chair lift position. YES yes/no

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5.0 OPTIONS

Refer to Bidding Schedule (Section VIII) for full description.

6.0 WARRANTY and WORKMANSHIP

6.1 Warranty - The State is aware that individual manufacturers have standard warranties of varying time and mileage intervals. A group of these vehicles is expected to average 40-50,000 miles per year. Therefore, the state will list a minimum mileage and time requirement for each of the required warranties. Warranties offered may exceed but cannot be less than either the mileage or time requirements listed. Offerors are to include copies of the warranties being offered with their offer. The offered price is to include the cost of all warranties offered.

6.1.1 The chassis manufacturer's warranty of **1 year or 50,000 miles whichever occurs first**. YES yes/no

6.1.2 Secondary (Body) manufacturer's standard warranty shall **1 year or 50,000 miles whichever occurs first.**. YES yes/no

6.1.3 The chassis manufacturer's standard **CORROSION** warranty of **2 year or 100,000** miles, whichever occurs first for corrosion and/or rust shall apply. YES yes/no

6.1.4 For SCDOT funded buses, the warranty period for both the chassis and conversion will start when the vehicle title and mileage are filed with the SC State Fleet Management Office. For all other buses, the warranty period starts upon final acceptance by the governmental unit issuing the purchase order. YES yes/no

6.2 Workmanship

6.2.1 Workmanship throughout the vehicle shall conform to the highest standard of commercial accepted practice for class work and shall result in a neat and finished appearance. The design of the body and equipment that the manufacturer proposes to furnish must be such as to provide a vehicle of substantial and durable construction in all respects. YES yes/no

6.2.2 Welding procedures, welding materials and qualifications of operators shall be in accordance with standards of the American Society of Testing Materials and the American Welding Society. All welds visible to the public shall be ground smooth after the welding to present a smooth, workmanlike appearance. Where metal is welded to metal, the contact surface shall be free of scale, grease, and paint. YES yes/no

6.2.3 All exposed surfaces and edges shall be smooth, free from burrs and other projections, and shall be neatly finished. YES yes/no

6.2.4 All parts shall be new and in no case will used, reconditioned or obsolete parts be accepted. YES yes/no

6.2.5 All hoses supplied in assembling the unit described in these specifications shall be temperature and p.s.i. ratings in excess of maximum operating temperature and pressure of fluids or materials being transferred. YES yes/no

6.2.6 By submitting and signing this bid, the Bidder hereby certifies to SCDOT that the Manufacturer has taken all necessary precautions to insure that no counterfeit, mismarked or substandard fasteners are used in the construction of the vehicle. YES yes/no

6.2.7 All exposed metal surfaces shall be painted or shall be corrosion-restraint. Al interior wiring shall be concealed. YES yes/no

6.2.8 If any vehicle is delivered incomplete or contains any defective or damaged parts, said parts shall be removed and new parts shall be furnished. The new parts furnished including transportation charges, labor for removal and installation of said parts, shall be free of all costs to DOT or project using vehicle. YES yes/no

6.3 Motor Vehicle Standards

6.3.1 The vehicle shall conform in all respects to the applicable Motor Vehicle Laws of the State of South Carolina and comply with all applicable Federal Motor Vehicle Safety Standards and Procedures of the U.S. Department of Transportation. YES yes/no

7.0 MISCELLANEOUS REQUIREMENTS

7.1 Change Orders - (previously addressed)

7.2 Driver Warning

7.2.1 The vehicle height clearance warning sign shall be posted in clear view of the driver. YES yes/no

7.3 Certificate of Origin

7.3.1 By submitting and signing this bid, the Bidder hereby certifies to The State of South Carolina that a true and correct Certificate of Origin will accompany each vehicle upon delivery to grantee without formal demand. YES yes/no

7.4 Production Schedule and Inspection

7.4.1 The vendor shall be required to provide, in writing, a thirty (30) day notice prior to a cut off date for ordering vehicles. YES yes/no

7.4.2 The vendor shall be required to give a production delivery schedule at the time of receipt of the first purchase order. Updates on a monthly basis shall be required. YES yes/no

7.4.3 SCDOT and grantee reserves the right to inspect the vehicles during production and at a final point of assembly, prior to delivery. YES yes/no

7.4.4 FACTORY INSPECTION: The successful bidder shall furnish round trip transportation (including meals, lodging, and airport parking fees) to the factory/assembly plant for two State Representatives for inspection of the first vehicles ordered with SCDOT funds. The inspection will be coordinated with SCDOT and shall provide for a minimum of 6 hours inspection of the vehicle as it is being assembled from start to finish, completed vehicle inspection, initial performance testing, plant and parts facility inspection, and briefing by the manufacturer's engineers. All subsequent deliveries of equipment will be required to be the same as the accepted pilot model. The only exception to this requirement is optional equipment. Optional equipment will be provided as specified on purchase orders.

7.5 Testing

7.5.1 The vehicle shall be thoroughly inspected and tested during construction and upon completion to ensure all equipment is installed and operating properly. Tests shall be performed to ensure that the completion to ensure all equipment is installed and operating properly. Tests shall be performed to ensure that the completed vehicle is watertight, road worthy, rustproof (where applicable), fume proof and all vehicle and equipment fluids are per specifications. Vendor shall certify that vehicle has passed all tests. YES yes/no

7.6 Pre-Delivery Servicing

7.6.1 The vehicle and the optional equipment furnished shall be completely serviced and conditioned prior to delivery. All equipment shall be completely installed and adjustments shall be made which are required to prepare the vehicle and its equipment for immediate and continuous operation upon delivery. Pre-delivery servicing shall include as a minimum the following: YES yes/no

Adjust and aim headlights
Tune engine
Check electrical, braking and suspension systems
Charge battery
Align front end

Final total alignment after product is finished by OEM
Balance all wheels (spin balance)
The cooling system shall be protected with permanent anti-freeze and summer coolant to 30 degrees below zero F.
Service windshield washer reservoir with water and appropriate additives or with windshield washer fluid
Complete lubrication
Fill crankcase with oil
Wash & clean interior and exterior of vehicle (remove all loose screws and bolts)
Upon delivery to Columbia, complete the following:
Full tank of fuel (33-36 gallons)

7.7 Product Support Literature – The following literature shall accompany each delivered vehicle.

7.7.1 Owner's/Operator's Manual for vehicle and other optional equipment. (1 copy each) YES yes/no

7.7.2 The maintenance and inspection schedule for vehicle and applicable optional equipment. (1 copy each) YES yes/no

7.7.3 A wiring diagram of all components installed, both original and added, shall be furnished. YES yes/no

7.7.4 Safety Manual describing operator "do's" and "don'ts" for safe vehicle operation. (1 copy) YES yes/no

7.7.5 Tire Management/Tire Care Manual (1 copy) YES yes/no

7.7.6 Certificate of Origin YES yes/no

7.7.7 Odometer Disclosure Statement, Form ODOM-103N or MVR-180 YES yes/no

7.7.8 Notarized Bill of Sale or approved alternative must be furnished at time of delivery. YES yes/no

7.8 Vendor/Dealer Decal Advertisements

7.8.1 Vehicle manufacturer may have brand name on vehicle, i.e. Ford Econoline, Dodge Ram, Chevrolet Sportvan. YES yes/no

7.8.2 Authorized dealers of the vehicle manufacturers will not be permitted to attach their decals/advertisement, of any type, to the vehicle either inside or outside. YES yes/no

7.8.3 Authorized conversion manufacturers/secondary vendor may attach one (1) decal of a size no larger than 3" x 5" to rear door. No other vendor decals/advertisement will be permitted elsewhere on the bus, inside or outside. No vendor printed license plates will be permitted. No vendor decals will be permitted to cover up holes on the interior or exterior of vehicle. YES yes/no

7.8.4 A sticker giving lift operation instructions may be mounted on the side door (side lift). YES yes/no

7.9 Vehicle Inspection and Acceptance

7.9.1 **Vendor shall give The State of South Carolina a minimum of five (5) working days notice prior to each intended delivery so appropriate arrangements can be made.** YES yes/no

7.9.2 It shall be the responsibility of the successful vendor to have the vehicle(s) transported to an authorized service representative in Columbia, South Carolina to correct deficiencies noted during the receipt inspection. Vehicle orders funded by other sources will coordinate with the contractor to correct deficiencies noted during the receipt inspection. Contractors are required to transport the vehicle as necessary at their expense to correct all identified deficiencies. YES yes/no

7.9.3 **Vehicles may be shipped or "Caravan" delivered. If driven, buses shall be operated within suggested "break-in" limits of the chassis manufacturer. Vehicles transported greater than 250 miles shall be certified as to the operation of the vehicles within these "break-in" limits. Periodic fluid level checks are required.** YES yes/no

7.9.4 **All vehicles shall be delivered in "like new" condition. All required servicing, all full fluid levels, buss cleaned inside and out.** YES yes/no

7.9.5 Vehicles Funded By SCDOT: The State of South Carolina or its representative shall conduct an inspection of the vehicle within five (5) working days of delivery to assure proper compliance with specifications. YES yes/no

Vehicles Funded by Other Sources: Other ordering governmental units will perform a receipt inspection per their normal practices.

7.9.6 The ordering governmental unit or its representative reserves the right to carry out a cursory inspection upon delivery prior to acceptance of the vehicle and may refuse delivery should non-compliance with specifications be found during the full inspection. YES yes/no

7.9.7 **No acceptance of the vehicle shall be made, and consequently no release of payment shall be made until all repair work is completed and the vehicle is found to meet required specifications.** YES yes/no

7.9.8 **It shall be the vendor's responsibility or their representative to make arrangements and/or transport the vehicle for any repairs necessary to meet the required specifications.** YES yes/no

7.9.9 **It shall be the vendor's responsibility to carry the appropriate amount of insurance coverage for vehicle while in transport and up to the time the vehicle is deemed acceptable.** YES yes/no

7.9.10 Once vehicle is inspected and meets all required specifications, the ordering governmental unit will authorize release of payment to the Vendor. Payment will be made in accordance with state law

YES yes/no

7.10 Federal Requirements and Special Conditions – section deleted

IV. INFORMATION FOR OFFERORS TO SUBMIT

INFORMATION FOR OFFERORS TO SUBMIT – GENERAL (JANUARY 2006): Offeror shall submit a signed Cover Page and Page Two. Offeror should submit all other information and documents requested in this part and in parts II.B. Special Instructions; III. Scope of Work; V. Qualifications; VIII. Bidding Schedule/Price Proposal; and any appropriate attachments addressed in section IX. Attachments to Solicitations.

NOTE: It is imperative that offerors complete, execute and submit the federal requirements certification (found in section VII.B.) with their offers.

V. QUALIFICATIONS

QUALIFICATION OF OFFEROR (JANUARY 2006): To be eligible for award of a contract, a prospective contractor must be responsible. In evaluating an Offeror's responsibility, the State Standards of Responsibility [R.19-445.2125] and information from any other source may be considered. An Offeror must, upon request of the State, furnish satisfactory evidence of its ability to meet all contractual requirements. Unreasonable failure to supply information promptly in connection with a responsibility inquiry may be grounds for determining that you are ineligible to receive an award. S.C. Code Section 11-35-1810.

VI. AWARD CRITERIA

AWARD BY ITEM (JANUARY 2006): Award will be made by individual item.

AWARD CRITERIA – BIDS (JANUARY 2006): Award will be made to the lowest responsible and responsive bidder(s).

AWARD TO MULTIPLE OFFERORS (JANUARY 2006): Award may be made to more than one Offeror.

AWARDS TO Four (4) LOWEST OFFERS OF DIFFERING CHASSIS AND BODY CONFIGURATIONS: The state intends to award four (4) vehicle chassis and body configurations with a maximum of two configurations awarded to any individual offeror. The awards will be made to the lowest responsive and responsible offerors for 4 differing chassis and body configurations. The State anticipates awarding contracts to two (2) or more offerors. However, should the State receive fewer than two (2) responsive and responsible offers, it may elect to award more than two (2) cab and chassis configurations to one offeror.

Thomas BUILT BUSES

Interstate Transportation Equipment, Inc.
P.O. Box 9163 • 2511 Trotter Road • Columbia, SC 29290

Telephone (803) 776-5041 • Toll Free (800) 726-0779 • Fax (803) 776-3527

July 12, 2006

Mr. Allen Register
Materials Management Office – Procurement Officer
1201 Main Street, Suite 600
Capitol Center
Columbia, SC 29201

Re: Solicitation 06-S7243

Dear Mr. Register:

The enclosed literature is representative of Supreme products and may not include all features and equipment as specified by the above invitation to bid. We hereby confirm that our bid complies with all requirements of the solicitation.

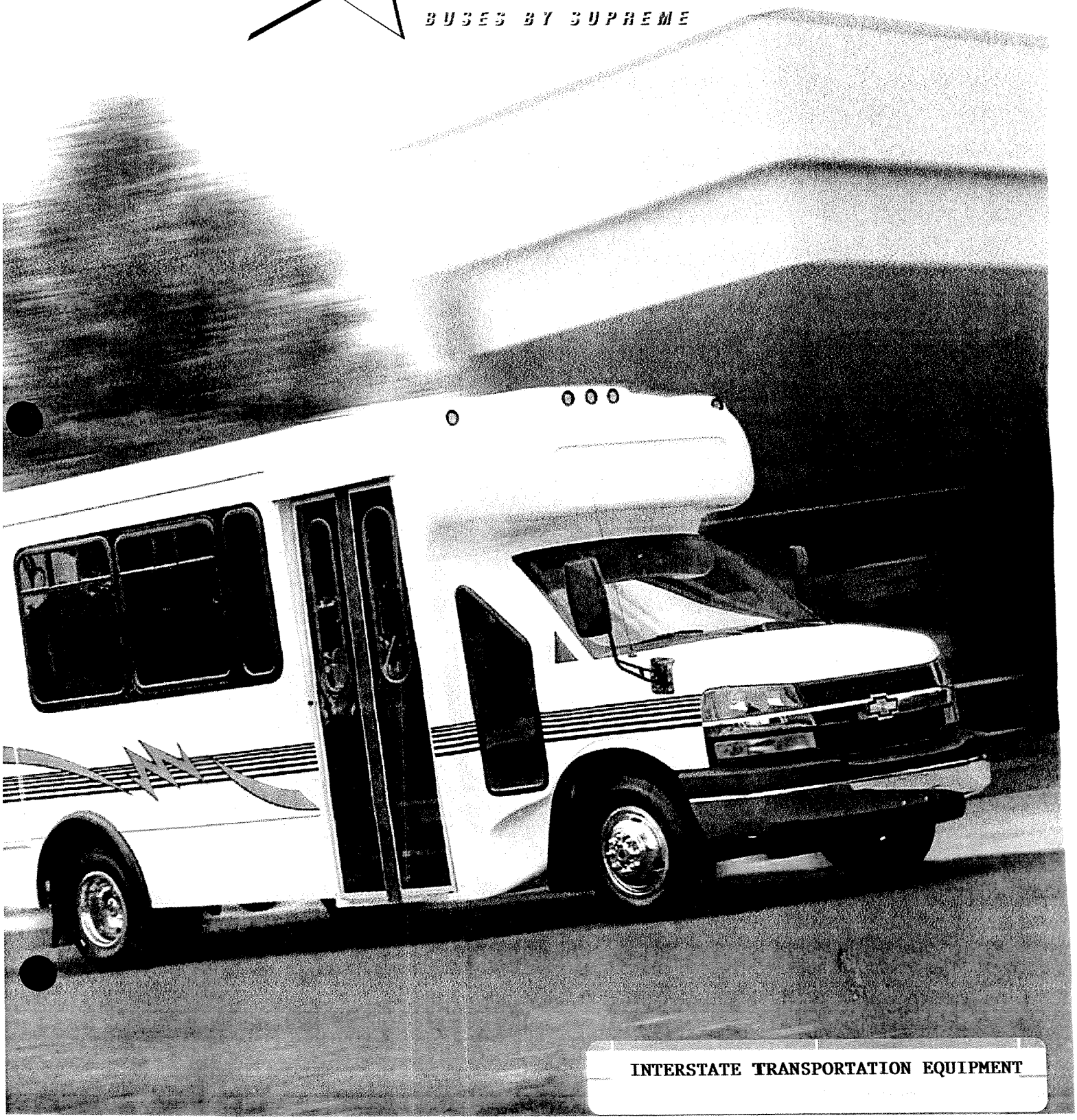
Yours truly,

Robert D. Coleman
President

SENATOR SII

STARTRANS

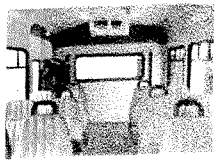
BUSES BY SUPREME



INTERSTATE TRANSPORTATION EQUIPMENT

THE INCREDIBLE DURABLE STARTRANS SENATOR SII

Introducing the new **Senator SII** from StarTrans. Our newest line of mid-size buses has been designed with the needs of the customer, passenger, and driver in mind. This new line provides the outstanding value and the durability you have come to expect from StarTrans buses over the past twenty years.



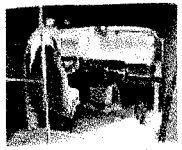
Optional interior seating

Senator SII features a galvanized steel, baked white exterior along with a new front aerodynamic fiberglass profile. It also features a new stylish rear profile which utilizes lightweight thermoplastics. In keeping with the StarTrans tradition of excellence, the **Senator SII** utilizes a fully welded steel cage construction to help ensure the safety, overall strength, and durability of the bus.

Optional paratransit lift

Senator SII offers seating capacity up to 21 passengers on certain models. It also features a spacious aisle, large luggage racks, and plenty of headroom for passenger safety and comfort. And these are just some of the features and benefits of the new **Senator SII**.

Underneath the **Senator SII** is the time-tested Chevrolet 610 chassis. This chassis selection provides the durability and serviceability needed to keep your new **Senator SII** performing at its best for years to come.



Standard driver console area

Engineering excellence and quality construction combined with rugged testing performed in Altoona, Pennsylvania ensure the structural integrity of the **Senator SII**. We back our buses with a five-year, 75,000-mile body structural warranty.

Startrans Senator SII 22' with optional rear wheelchair and rear door

SENATOR SII FEATURES

SUBFLOOR – 12-gauge steel superstructure fully welded with floor-level Z-rails, incorporated with chassis-rubber ride capabilities.

FLOORING – 5/8" marine-grade plywood underlayment with undercoating. Floor covered with 1/8" transit rubber. Formed galvaneal steel heat shields over chassis, catalytic converter, and muffler.

SIDEWALLS – 1" Polyurethane foam insulation (R-7) enclosed within a fully laminated assembly. Ladder-framed sidewalls are fully welded of 14-gauge steel. Exterior sidewall skins are .024" galvanized steel with baked-enamel paint finish.

ROOFING – Roof framing is a fully welded assembly utilizing formed steel-hat section crossmembers, as well as heavy-duty steel roll bars welded at the front, rear, and center of the vehicle. Roof exterior skins are of .024" galvanized steel with baked-enamel paint finish.

WINDOWS – 36" x 36" T-Slider windows, 31% tinted. Clamp ring-style radius windows. Egress windows installed to meet FMVSS 217 requirements. Operator's curbside window AS-2 rated: 442 square inches of visibility.

ENTRY – Spacious entry (32" x 83" clear opening) with doors that operate manually. The 14-gauge steel door frames are fully welded and powder-coated to enhance durability. The door panels are glazed and tempered glass. White step nosing and lighted stepwell standard. Entrance grab rail (left side).

LIGHTING – Each bus comes standard with six passenger courtesy lights.

ELECTRICAL – Wiring is color-coded with the number and function designated every 12" on the wire to enable identification and circuit traceability. Only premium components built to meet the Society of Automotive Engineers (S.A.E.) and Underwriters Laboratories (U.L.) requirements are used. Electronic control console switch panel.

StarTrans Senator SII

OPTIONAL A/C & HEAT – A/C systems ranging in size from 30,000 BTU to 88,000 BTU. Rear heat 40,000 BTU to 65,000 BTU.

OPTIONAL PARATRANSIT – Wheelchair accessibility with a wide range of securement systems and seating arrangements.

OPTIONAL LUGGAGE – Luggage can be stored in over-seat, floor-to-ceiling, rear compartment, or custom-designed areas.

OPTIONAL SEATING – Forward-facing, perimeter-style, and track seating are all available. Your choice of vinyl and cloth fabric in a wide range of colors.

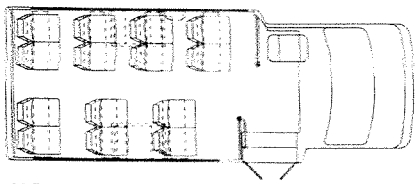
- White baked-enamel prepainted body; bright white gelcoated front cap
- Exterior mirrors – 7" x 14" with 6" x 3.5" convex mirror on each side
- Heavy-duty, 10-gauge box bumper with anti-ride cover
- Mud flaps (front and rear)
- 12-month/12,000-mile with five-year/ 75,000-mile warranty of body structure

CHEVROLET SPECIFICATIONS

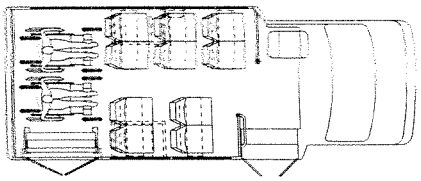
- Chevrolet 12,300 GVWR cutaway
- Tinted glass
- Automatic transmission
- 3.73 rear axle ratio
- Power steering
- Power brakes
- Dash A/C and heater
- Super engine cooling
- Tilt steering and cruise control
- 368-cubic-inch (Vortec 6000) 6.0L gas
- 405-cubic inch (Duramax 6600) 6.6L diesel
- 33-gallon fuel capacity
- Radial tires LT225-16 D
- Chrome front bumper with license plate bracket
- Comfort-ride suspension – H.D. springs and shocks
- Read-out gauges
- Heavy-duty batteries
- 145 AMP alternator
- 139" & 159" wheelbase

Dimensions

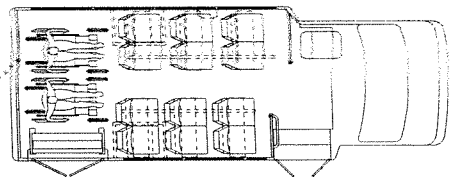
- Exterior width – 96"
- Exterior height – 116.5"
- First step to ground – 11½" second-and third-step riser – 9" max.
- Step tread depth – 9.5" max.
- Entrance clear opening – 32" x 83" min.
- Interior width at seat level – 93"
- Interior width up 36" from floor – 93"
- Center aisle height – 82"
- Flat floor aisle height – 76.5"
- Double wheelchair doors – 46.5" x 70.5"



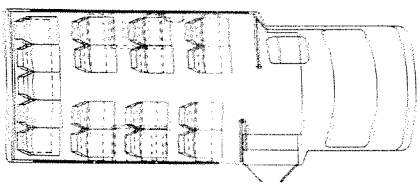
14 Passengers



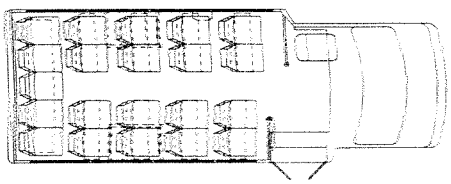
10 Passengers and 2 W/C



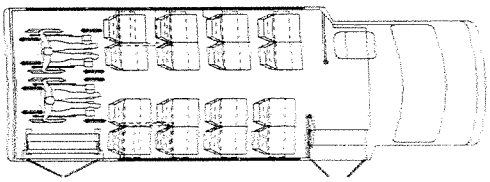
12 Passengers and 2 W/C



17 Passengers



21 Passengers



16 Passengers and 2 W/C (available on gas only)

STARTRANS
Buses by Supreme

2592 Kercher Road • P.O. Box 463 • Goshen, IN 46528
574-642-4730 • 877-258-1391 • FAX 574-642-4108
www.StarTransBus.com

ATEA

ISO 9001 Quality System Registered

MSBMA MEMBER

Due to Supreme Corporation's commitment to product quality, specifications and options are subject to change in the interest of product improvement.

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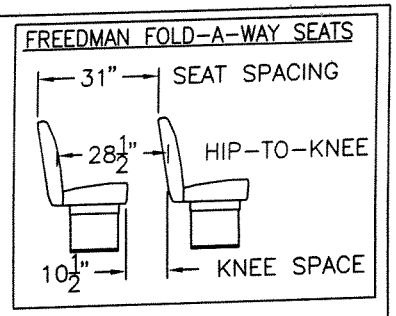
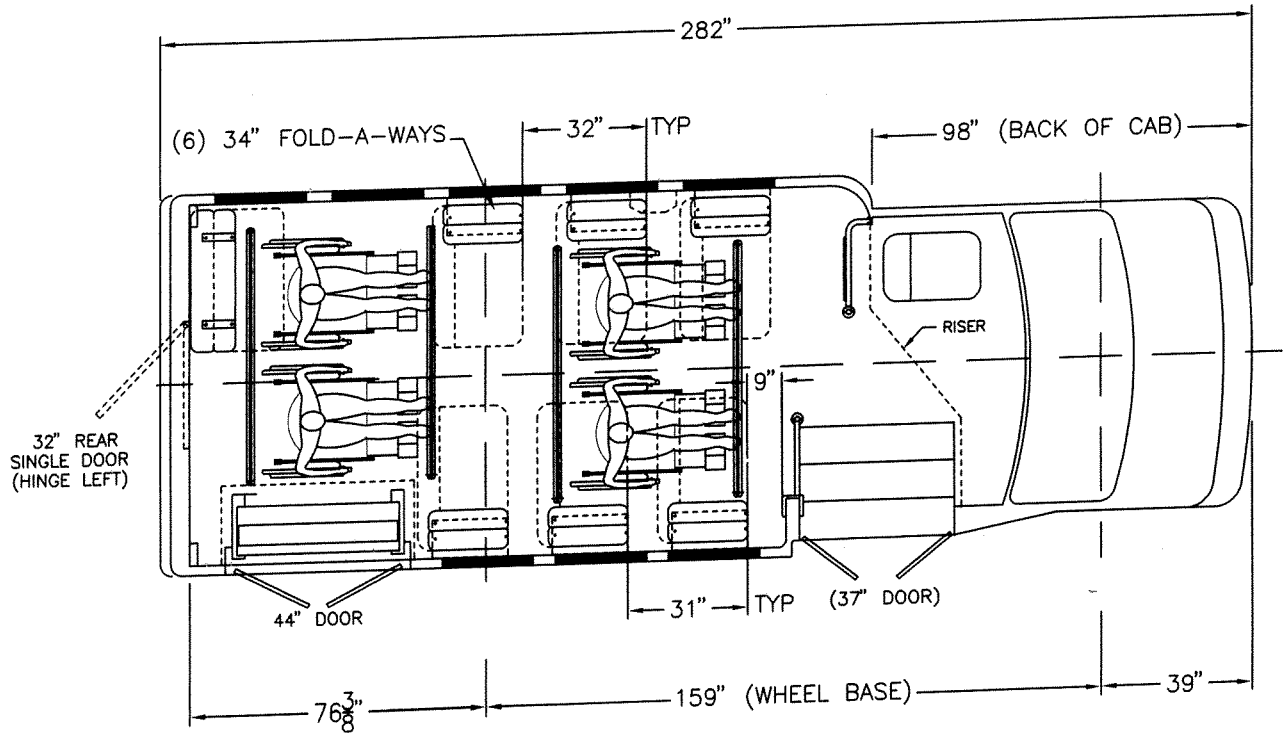
FEATURES:
- 24"x34" T-SLIDER WINDOWS
- FLAT FLOOR





TOLERANCES
FLOORPLAN DIMS: +/- 1/8"
FRACTIONAL DIMS: +/- 1/16"
2 PLACE DECIMAL DIMS: +/- .01"
3 PLACE DECIMAL DIMS: +/- .005"

RAISED FLOOR

THE SUPREME CORP. CLAIMS PROPRIETARY RIGHTS IN THE MATERIAL DISCLOSED HEREON. NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY BE USED TO MANUFACTURE ANYTHING SHOWN HEREON WITHOUT PERMISSION IN WRITING FROM SUPREME CORP. TO THE USER SPECIFICALLY REFERRING TO THE DRAWING.

LET.	REVISION DESCRIPTION	BY	DATE

BY	DRAWN: ERIC JORDAN
DATE	7/6/06

SUPREME CORPORATION
STARTRANS
TRANSIT BUS DIVISION
GOSHEN, IN 46526

MODEL:	CHEVY T610
DWG SCALE:	3/8"=1'
PLOT SCALE:	1"=48"
TITLE (OR COMMENTS):	4 W/C +14P RL 37" D
SERIES:	BS22 SENATOR PARATRANSIT
PART NUMBER:	QUOTE
FILE LOC & FILE NUMBER:	IT12Q604/QUOTE

INTERSTATE TRANSPORTATION EQUIPMENT

This form MUST be Executed and Submitted with Your Offer!

NOTE: The "YES" block must be marked to expressly indicate compliance with all items listed.

TO: STATE OF SOUTH CAROLINA

FROM: INTERSTATE TRANSPORTATION EQUIPMENT INC / SUPREME CORPORATION

DATE: 7-12-06

SUBJECT: **Federal Compliance Certification Letter**

The undersigned [Bidder/Contractor/Manufacturer] certifies that it will comply with the requirements of 49 U. S. C. and all applicable requirements and clauses imposed by Federal laws, executive orders, or regulations and the requirements of FTA Circular 4220.1D "Third Party Contracting Requirements," and other implementing requirements FTA may issue. The [Bidder/Contractor/Manufacturer] also agrees to include in its sub-agreements and contracts financed in whole or in part with FTA assistance all applicable clauses required by Federal laws, executive order, or regulations. The undersigned also agrees to comply with the following Federal requirements:

Compliance Certification *Requirement*

YES	NO	N/A	
☑	☐	☐	Buy America Requirements
☑	☐	☐	Energy Conservation Requirements
☑	☐	☐	Clean Water Requirements
☑	☐	☐	Bus Testing
☑	☐	☐	Pre-Award and Post-Delivery
☑	☐	☐	Lobbying
☑	☐	☐	Access to Records and Reports
☑	☐	☐	Federal Changes
☑	☐	☐	Clean Air Requirements

YES	NO	N/A	
☑	☐	☐	Recycled Products
☑	☐	☐	Contract Work Hours and Safety Standards Act
☑	☐	☐	No Government Obligation to Third Parties
☑	☐	☐	Fraud and False or Fraudulent Statements and Related Acts
☑	☐	☐	Govt-Wide Debarment and Suspension (Non-Procurement)
☑	☐	☐	Civil Right Requirements
☑	☐	☐	Disadvantaged Business Enterprises
☑	☐	☐	Incorporation of Federal Transit Administration Terms

Date: 7/10/06
Signature: [signature]
Company Name: INTERSTATE TRANSPORTATION EQUIPMENT INC.
Title: PRESIDENT