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ITB 2020-16
FLORIDA SCHOOL BUS SPECIFICATIONS, EFFECTIVE JANUARY 2020
AWARD LETTER
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**Contract for Type A, Type C and Type D School Buses
and Optional Equipment**

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and Florida Transportation Systems, Inc., the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties,"

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as "Vehicles"), through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and

WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and

WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or \$35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:

- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor's response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

Signature _____

Print Name: _____

Title: _____

Date: _____

J. Alex Kelly
Chief of Staff
12/16/19

CONTRACTOR

Signature _____

Print name: _____

Title: _____

Date: _____

Chris Rustman

Chris Rustman

President

December 11, 2019

FLORIDA DEPARTMENT OF EDUCATION

**BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES**

**325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400**

Addendum #1

BID NO.: ITB 2020-16

**Type A, Type C and Type D School Buses and Optional
Equipment**

September 19, 2019

This addendum is being issued to provide the Answers to Questions submitted timely by vendors during the Question and Answers period.

Please be advised all questions are keyed as submitted.

Sun State Bus Centers

1. Public opening, will the bid submissions be reviewed and read aloud or otherwise be provided to all bidders?

ANSWER: The public opening will consist of the reading of the names of the bidders that responded only. All other information will be available via public records request once the information becomes public.

2. Will the Department allow bidders to add lines to the price sheets for additional A/C, engine, warranty and other options as needed?

ANSWER: Yes.

3. Will the department provide to bidders an editable electronic copy (preferably Word format) of Attachment 10 – Pre-Delivery Inspection Form (2020)?

ANSWER: Yes.

4. Option for Red Light Above Emergency Door, is this light required to be LED?

ANSWER: Yes.

1. Please clarify conflicting information pertaining to **Renewal** terms of this contract.
Under 3.0 **Intent** – the resulting contract may be renewed for up to 3 one year terms.
Under 4.25 **Extension** – The department in its discretion may grant an extension of the contract in writing for a period not to exceed 6 months and shall be subject to the same terms and conditions set forth in the contract. There shall be only one extension unless failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. Also, will the state offer price increase percentages to the successful bidders upon requesting the contract be renewed by the vendor in each of these one year renewals?

ANSWER: 3.0 INTENT: The department is soliciting written responses to establish a 24-month term contract that may be renewed for up to three one-year terms with no change in pricing or options if mutually agreed upon by both parties.

4.25 is a provision that allows the department to extend the contract up to six months to allow a poor performing contractor to fulfill their obligations. This is not a renewal of the contract.

2. Pricing Sheets –

- a. Under the **Optional Engines** for each bus configuration, can you add space for extended engine warranties?

ANSWER: No, enter extended warranty information for optional engines in the ADDITIONAL OPTIONS section.

- b. Also are the extended engine **Warranty Options** limited to the terms listed or can we supply additional offerings in space provided?

ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

- c. If so, should we do so in the **Additional Options** or will you provide more open space in the **Warranty Options** for the standard and optional engines?

ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

3. Pricing Sheets – Can we add more Additional Options if needed,

ANSWER: Yes, you may add more ADDITIONAL OPTIONS if necessary.

or can we just combine the **Additional Seating Options** and **Additional Options** together in one section?

ANSWER: Yes, you may combine ADDITIONAL SEATING OPTIONS and ADDITIONAL OPTIONS together in one section.

Also, under **Additional Seating Options**, can we move the randomly scattered options to be in line with each other? Do we have to use the ones listed?

ANSWER: Yes, you may move, add to, or delete the randomly scattered ADDITIONAL SEATING OPTIONS.

4. **Pricing Sheets** – Are the “**Future Use**” lines meant to be left blank? What is the future use and will it affect this bid?

ANSWER: “Future Use” is simply a place holder for the option number line and will have no effect on this bid.

5. **Page 46**, under the second page of additional options, why are the **Diagnostic Options** only listed here? Should they not be listed for each configuration and type?

ANSWER: List Diagnostic Options as applicable for each engine configuration under ADDITIONAL OPTIONS.

6. **Pricing Sheets** – Are we allowed to correct formatted spreadsheet (merge and center where needed or add/remove gridlines? There are few in the additional options area where a cell is not merged and centered, and has a line breaking the first cell in the row (page 37, 41, 45).

ANSWER: Yes, as long as the information remains the same.

7. **Pricing Sheets** – Are we allowed to make additional copies of the Video/GPS pages and other pages as needed? Please clarify.

ANSWER: Yes.

8. **Pricing Sheets** – Can we provide multiple bids for each type of bus requested?

ANSWER: No.

9. **II-2 Engine Equipment** – Please differentiate between **Additional Engine** of other configurations or displacements and **Alternate Fuel** Configurations. There seems to be some confusion that Gasoline is considered an Alternate Fuel when it's an **Optional Engine** not an alternate fuel engine. Here is a link concerning alternative fuels at <https://afdc.energy.gov/fuels/>

ANSWER: The Florida School Bus Specifications require that a diesel engine with a minimum displacement of 6.4 liters and 6 cylinders be available as a standard engine in a wet sleeve or parent bore block design. However, Additional Engines of other configurations or displacements may be offered in the OPTIONAL ENGINES section of the bid pricing pages for each type of bus including Alternate Fuel engine configurations.

Gasoline engine configurations are NOT Alternate Fuel Configurations.

The United States Department of Energy recognizes bio-diesel, ethanol, hydrogen, natural gas, propane and electric as being alternate fuels.

Florida Transportation Systems

1. Page 7, item 3.0 "Intent" states that ITB #2020-16 will have a contract term of 24 months. Additionally, the contract may be renewed for up to three, one-year terms. Will the renewal be mutually agreeable, or at the discretion of the Department? Assuming there is a renewal, will the Department allow for price adjustments or additional options being added to the awarded contract?

ANSWER: Contract renewals must be mutually agreed upon by both parties. A renewal would not allow any changes in pricing or options.

2. Page 18, section 4.35 of ITB #2020-16 establishes an extension for districts receiving volume bus deliveries. In essence, the 10-day acceptance window is extended based on receiving 5 or more buses in a two-day period. Similarly, would the Department consider allowing for an extension of the 240-day delivery window when a vendor receiving volume orders over an abbreviated period. For example, if a vendor receiving purchase orders for an excess of 50 buses in a 5-day period, the required delivery date is increased by 10 business days.

ANSWER: No.

3. Page 19, section 5.1 of ITB #2020-16 requires a performance bond for contactors of Type A, C and D school buses. With section 6.2 of the same ITB document allowing purchasing districts to assess and deduct liquidated damages from their invoiced purchase price, would the Department consider waiving the requirement for the performance bond?

ANSWER: No.

4. Attachment 1, of ITB #2020-16 provides bidders with pre-formatted pricing submission sheets and Excel spreadsheets. Various areas of pricing entry may require additional entries in comparison to what is pre-formatted (for example, a/c options, seating or warranty options). May bidders be permitted to add rows to the pricing submission sheets and provide customers with additional options within reason?

ANSWER: Yes.

5. Attachment 11, of ITB #2020-16 includes the Florida School Bus Specifications, Revised 2019 (Specifications). The bus category, MFSAB, is introduced and referenced by Florida Specifications. Do these Specifications, as they relate to MFSAB references, apply to MFSABs owned and operated by public school boards and charter schools only or do these also apply to day care centers, churches and other various enterprises that may utilize these style vehicles?

ANSWER: The specifications that apply to buses obtained under ITB #2020-16 are *Florida School Bus Specifications, effective January 2020*, which are the specifications in Attachment II renamed to reflect an effective date and to align with the award of this bid. School bus units may be purchased under ITB # 2020-16 by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S. The applicability of the specifications to any other vehicles exceeds the scope of the bid process and the Department cannot provide a response.

6. Page 2 of Florida Specifications, Revised 2019 details warranties for Type A, C and D new vehicles. Under "Chassis Warranties", items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS respectfully requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

7. Page I-2 of Florida Specifications, section "Engine Equipment" items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

8. Page I-4 of Florida Specifications, Revised 2019, section "Transmission" requires an Allison 1000 or 2000 or approved equal on a Type A chassis of 30p and larger. FTS requests that the Chevrolet heavy duty 6-speed Hydra-Matic transmission be accepted as an approved equal.

ANSWER: Approved.

9. Page II-5 of Florida Specifications, Revised 2019, section "Transmission" includes the following for Type D front engine:
 - a. **Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.**
 - b. **Type D 78-79 capacity front engine, Allison PTS 2500, 5 speed or approved equal.**

The 'TYPE D FORWARD CONTROL FRONT ENGINE' chart on page II-7 however, indicates that the PTS 3000 transmission is required for 77, 83, and 89 capacity buses. FTS requests clarification of Type D forward transmission requirements.

ANSWER: Page II-5 under TRANSMISSION, AUTOMATIC #4 Should read:

4. Type D 77-89 capacity front engine, Allison PTS 3000, 5 speed or approved equal.

10. Page III-13 of Florida Specifications, Revised 2019, section 'Rear Vision Mirror System', states that **"The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a breakaway arms with a positive detent or lock."** The exterior rearview mirror brackets designed and provided by Blue Bird's mirror vendor for the Open View mirrors do not include a breakaway feature. Blue Bird requests confirmation that the bracket design previously approved for use in Florida meets the intent of the specifications.

ANSWER: The previous designs provided by Blue Bird meets the intent of the specifications.

11. Page III-14 of Florida Specifications, Revised 2019, section "Seating, item 2 and 3" defines the requirement for FMVSS No. 225 compliant seats and their required seat spacing. This is required for the first seat of each side of the bus. If a customer would like to add additional rows of FMVSS No. 225 compliant seats, how should those be spaced?

ANSWER: Additional seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: Florida Transportation Systems, Inc.

Vendor Name – written: Chris Rustman 

Authorized Signature: 

Mailing Address: 7703 Industrial Lane

City, State & Zip Code: Tampa, FL 33637

Telephone: 813-980-0174 E-Mail Address: crustman@fts4buses.com

FLORIDA DEPARTMENT OF EDUCATION

BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES

325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400

Addendum #2

BID NO.:

This addendum is being issued to include the below option:

Under additional options, pricing can be provided for a mounted exterior LED lamp that will project light along the right side of the bus in the area of the service door. The proposed lamp must have a minimum light output equivalent to a 50W halogen bulb, be mounted to direct light in a manner that prevents the light from shining directly into the right-side rear-view mirror and cross view mirror; must automatically turn on when the service door is opened and turn off approximately five seconds after the door has closed.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT
SIGNED AND INCLUDED!

Company Name: Florida Transportation Systems, Inc.

Vendor Name – written: Chris Rustman 

Authorized Signature: 

Mailing Address: 7703 Industrial Lane

City, State & Zip Code: Tampa, FL 33637

Telephone: 813-980-0174 E-Mail Address: crustman@fts4buses.com

FLORIDA DEPARTMENT OF EDUCATION

**BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES**

**325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400**

Addendum #3

BID NO.: ITB 2020-16

NOVEMBER 5, 2019

This addendum is being issued to **reopen** ITB 2020-16 to clarify the answer provided to Question 8 of Addendum #1 Q&A document.

Question 8 was as follows:

8. **Pricing Sheets** – Can we provide multiple bids for each type of bus requested?

ANSWER: No. Multiple bids will NOT be accepted for each type of bus requested. However, optional chassis manufacturers for TYPE A buses of the same capacity may be offered under the “Additional Options” section of the Price Sheet.

Additional bus capacities not requested will not be accepted.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: Florida Transportation Systems, Inc.

Vendor Name – *written*: Chris Rustman Chris Rustman

Authorized Signature: Chris Rustman

Mailing Address: 7703 Industrial Lane

City, State & Zip Code: Tampa, FL 33637

Telephone: 813-980-0174 E-Mail Address: crustman@fts4buses.com

Manspeaker, Robert

From: Register, Regina
Sent: Friday, November 22, 2019 1:34 PM
To: Manspeaker, Robert
Subject: FW: ITB 2020-16 Type A, Type C and Type D School Buses and Optional Equipment - Seeking Clarification

Hi Robert

Here is the first response.

ReGina

ReGina A. Register, FCCN, FCCM
Contract Administrator & Procurement Director/MFMP System Administrator
Florida Department of Education
Bureau of Contracts, Grants and Procurement
Management Services
325 West Gaines Street, STE 332
Tallahassee, FL 32399-0400
phone: 850/245-9173
fax: 850/245-0719



Please note that Florida has a very broad public records law. Most written communication to or from state officials are public records available to the public and media upon request.

From: Chris Rustman [mailto:crustman@fts4buses.com]
Sent: Friday, November 22, 2019 1:33 PM
To: Register, Regina <Regina.Register@fldoe.org>
Subject: Re: ITB 2020-16 Type A, Type C and Type D School Buses and Optional Equipment - Seeking Clarification

Ms. Register,
To answer the clarification question, "YES" - all base bid prices for MFSAB products INCLUDE the cost of the required lap/shoulder belts.
Purchasers do NOT need to add the cost of the seats belts to their bus.

Thank you,

Chris Rustman

Chris Rustman
President

Florida Transportation Systems, Inc.
7703 Industrial Lane

On Fri, Nov 22, 2019 at 1:24 PM Register, Regina <Regina.Register@fldoe.org> wrote:

Hello

This email is seeking clarification regarding your Bid Response to the above referenced ITB. Please indicate whether the bid prices that your company submitted for each "Base MFSAB Price\$\$" includes the required type 2 lap/shoulder seat belts, or if the cost of the seat belts must be added by the purchaser? This clarification response will become an official addition to your Bid Response. **No prices should be included in your response to this clarification question.**

This information is needed as soon as possible but no later than **2:00 pm ET on November 26, 2019.** Clarification response can be provided via reply to this email.

Let me know if you have questions or need additional information.

ReGina

ReGina A. Register, FCCN, FCCM

Contract Administrator & Procurement Director
Florida Department of Education
Bureau of Contracts, Grants and Procurement
Management Services
325 West Gaines Street, STE 332
Tallahassee, FL 32399-0400
phone: 850/245-9173
fax: 850/245-0719



Please note that Florida has a very broad public records law. Most written communication to or from state officials are public records available to the public and media upon request.

State of Florida
Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
332 Turlington Building
325 West Gaines Street
Tallahassee, Florida 32399-0400

BID REGISTRATION

COMPLETE AND RETURN THIS FORM

BID NO: ITB 2020-16

TITLE: Type A, Type C and Type D School Buses and Optional Equipment

DATE & TIME DUE: OCTOBER 23, 2019 @ 9:15 AM ET

To register to bid, please complete and return this bid registration form as soon as possible. Send **this sheet only** to Regina.Register@fldoe.org (preferred), fax it to 850-245-0719, or mail it to 325 West Gaines Street, 332 Turlington Building, Tallahassee, Florida 32399-0400.

COMPANY NAME: _____

CONTACT PERSON: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE: () _____ FAX NUMBER: () _____

INTERNET EMAIL ADDRESS: _____

SIGNED: _____ DATE: _____

For further information about this bidding on contracts for the State of Florida, you may contact ReGina Register at 850-245-9173 or Regina.Register@fldoe.org.

State of Florida
Department of Education

INVITATION TO BID
BID NO: ITB 2020-16

For

TYPES A, C AND D SCHOOL BUSES

and

OPTIONAL EQUIPMENT

DEADLINES

TECHNICAL QUESTIONS: SEPTEMBER 12, 2019 BY 5 p.m. ET
BID RESPONSE SUBMITTAL DUE: OCTOBER 23, 2019 BY 9:15 a.m. ET

ESTIMATE POSTING DATE: OCTOBER 29, 2019
CONTRACT EFFECTIVE DATE: January 1, 2020

MAIL OR DELIVER BID RESPONSES TO:

Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400
Attention: ReGina Register

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INVITATION TO BID
FLORIDA DEPARTMENT OF EDUCATION
Types A, C and D School Buses and Optional Equipment
BID NUMBER: ITB 2020-16

SECTION 1 –INSTRUCTIONS

1.0 GENERAL INSTRUCTIONS TO RESPONDENT

This section contains instructions explaining the solicitation process and the actions necessary to respond. General Instructions to Respondent (Form PUR 1001 – incorporated herein by reference) is a downloadable document that must be downloaded for review. This document need not be returned with the respondent's bid response. Form PUR 1001 may be accessed at http://dms.myflorida.com/business_operations/state_purchasing under "Documents, Forms, References and Resources."

In the event of any conflict between Form PUR 1001 and other instructions provided in this document, the additional instructions in this document shall take precedence over the Form PUR 1001 unless the conflicting term is required by any section of the Florida Statutes, in which case the statutory requirements shall take precedence.

ALTHOUGH THE ITB MAY USE MANDATORY WORDS LIKE "SHALL," "WILL," "SHOULD" OR "MUST," AND MAY DEFINE CERTAIN ITEMS AS REQUIREMENTS, THE DEPARTMENT RESERVES THE RIGHT, IN ITS DISCRETION, TO WAIVE ANY DEVIATIONS FROM THESE PROVISIONS. IN ADDITION, THERE IS NO GUARANTEE THAT SUCH DEVIATIONS WILL BE DEEMED IN THE STATE'S BEST INTEREST OR A MINOR IRREGULARITY.

SECTION 2 – CONTRACT CONDITIONS

2.0 GENERAL CONTRACT CONDITIONS

Standard terms and conditions that will apply to the contract that results from the solicitation event are provided in this section. General Contract Conditions (Form PUR 1000 – incorporated herein by reference) is a downloadable document that must be downloaded for review. This document need not be returned with the respondent's bid response. Form PUR 1000 may be accessed at http://dms.myflorida.com/business_operations/state_purchasing under "Documents, Forms, References and Resources."

In the event of any conflict between Form PUR 1000 and any other Special Conditions, the Special Conditions shall take precedence over Form PUR 1000 unless the conflicting term in the PUR form is required by any section of the Florida Statutes, in which case the term contained in Form PUR 1000 shall take precedence.

SECTION 3 - INTRODUCTION

3.0 INTENT

The Florida Department of Education (hereinafter referred to as the "department") is soliciting written bid responses from qualified vendors to establish a **24-month term contract** for the purchase of Type A, Type C and Type D school buses and optional equipment. The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and level of quality of the vehicles desired by the department and purchasing school districts. The contractor is authorized to provide vehicles to any and all eligible users in the State of Florida. The sale of any vehicles to an eligible user not included in the definition herein is prohibited unless the contractor has received prior written approval from the department and such services are set forth in an addendum hereto executed by all parties. The parties agree that the laws and rules that apply to this contract shall be those applicable to contracts in excess of Purchasing Category Two, or \$35,000, as defined in s. 287.017, Florida Statutes (F.S.).

The resulting contract may be renewed for up to three one-year terms.

3.1 BACKGROUND

Pursuant to S. 1006.27, F.S., the department shall assist district school boards in securing school buses at prices that are as reasonable as possible by providing a plan under which district school boards may voluntarily pool their bids for such purchases, and prepares and awards term contracts for the purchase of various types of school buses and optional equipment, and makes the contracts available to district school boards. District school boards, from time to time, are required to furnish the department with information concerning the prices paid for such items and the department periodically furnishes to district school boards, information concerning the lowest prices at which school buses, equipment and related supplies are available based on comparable specifications.

School bus units may be purchased by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S.

Representatives of the Florida Department of Management Services, State Purchasing, may be asked to serve as advisors in final determination and acceptance of bids.

3.2 DEFINITIONS

As used herein, the following definitions apply:

1. **Bid**: All documents and materials contained in the formal ITB package submitted by a bidder in response to this solicitation.
2. **Bid Response**: The complete response of the bidder to the ITB, including properly completed forms and supporting documentation.
3. **Bidder**: A potential contractor, acting on his or her own behalf and on behalf of those individuals, partnerships, firms or corporations comprising the bidder's team, who submits a response to this solicitation.
4. **Configuration**: Each unique combination of the following vehicle characteristics: bus type, bus capacity (e.g., 77 capacity) and wheelchair lift (if applicable). An example of a configuration for this purpose is Type C, 77 capacity with lift.
5. **Contract**: The agreement entered into between the department and the successful bidder after completion of the Invitation to Bid process.

6. **Contractor**: The successful bidder, selected as a result of this ITB with whom the department executes a contract to provide the required services.
7. **Deliverable**: A tangible, specific, quantifiable and measurable event or item that must be produced to complete a project or part of a project directly related to the scope of services.
8. **Department**: Refers to the Florida department of Education.
9. **Eligible Users**: Florida district school boards, FSDB and eligible private schools.
10. **FDOE**: Florida Department of Education
11. **FE**: Front engine.
12. **FSDB**: Florida School for the Deaf and the Blind.
13. **N/A or NA**: Not available or not applicable.
14. **N/B or NB**: No bid submitted for base bus or option. A "no bid" on a base bus or option will continue to be considered as "no bid" throughout the term of the contract, including dealer-offered options.
15. **N/C or NC**: No-charge item – the department reserves the right to determine whether the item is to be included as standard equipment.
16. **PB**: Parent bore engine.
17. **Price**: Base unit or option price.
18. **RE**: Rear engine.
19. **Ready-to-Use Condition**: Units meeting all applicable specifications, with all equipment functioning properly and without substantive defects (as determined by the Florida Department of Education, School Transportation Management Section).
20. **Responsive Bidder**: A person who has submitted a bid response that conforms in all material aspects to the ITB.
21. **Responsible Bidder**: A bidder who demonstrates the capacity in all respects to satisfy the contract requirements with the integrity and reliability that will assure good-faith performance.
22. **STD**: Standard.
23. **STMS**: School Transportation Management Section.
24. **Unit(s)**: Buses produced and sold via the Florida Department of Education's Bid No: ITB 2020-16 for School Buses and Optional Equipment.
25. **Vehicles**: Collective reference to various Type A, Type C and Type D school buses and optional equipment.
26. **Vendor**: A potential contractor acting on his or her own behalf and on behalf of those individuals, partnerships, firms or corporations comprising the vendor's team who has not yet submitted a response to this solicitation.
27. **VBS**: Florida Vendor Bid System.
28. **WS**: Wet-sleeve engine.

3.3 SCHEDULE OF EVENTS

SCHEDULED ACTIVITY	DATE	METHOD/CONTACT
ITB Release	<u>September 5, 2019</u>	Vendor Bid System Advertisement Website – http://vbs.dms.state.fl.us/vbs/main_menu
Prospective Bidder Questions	<u>September 12, 2019</u> <u>by 4:00 pm ET</u>	Questions must be identified as such and submitted by mail, email (preferred) or facsimile to: ReGina Register 325 West Gaines Street, 332 Turlington Building Tallahassee, Florida 32399-0400 Regina.Register@fldoe.org Fax 850-245-0719
Departmental Answers Provided to Bidder Questions (on or about)	<u>September 20, 2019</u>	Written response (addenda) to any written questions received by the deadline will be provided via the Vendor Bid System Advertisement Website - http://vbs.dms.state.fl.us/vbs/main_menu
Sealed Bids Receipt and Opening NOTE: Visitors to the Turlington Building are required to sign in at the security desk in the main lobby, obtain a visitor's pass and be escorted by designated department representatives. Please allow enough time if hand-delivering your response to the Procurement Office.	<u>OCTOBER 23, 2019</u> Must Be Received NO LATER THAN 9:15 a.m. Opened 10:15 a.m., Eastern Time	Submit to: Florida Department of Education Procurement Office Attn: ReGina Register 325 West Gaines Street, 332 Turlington Building Tallahassee, Florida 32399-0400 Bids will be opened in Room 1721 of the Turlington Building at 10:15 a.m.
Posting of Intended Decision (on or about)	<u>October 29, 2019</u>	Vendor Bid System (VBS) Advertisement Website - http://vbs.dms.state.fl.us/vbs/main_menu
Anticipated Contract Start Date	Wednesday, January 1, 2020	The department and contractor(s)
Anticipated Contract End Date	Friday, December 31, 2021	The department and contractor(s)

SECTION 4 – SPECIAL INSTRUCTIONS

4.0 NON-RESPONSIVE BIDS, NON-RESPONSIBLE BIDDERS

Bid responses that fail to provide material information may be rejected as non-responsive. A bidder whose bid responses, past performance or current status do not reflect the capability, integrity or reliability to perform fully and in good faith the requirements of the contract may be rejected as non-responsible. The department reserves the right to waive any minor irregularities or technicalities in any bid response received, to reject any or all bid responses in whole or in part, with or without cause, to solicit new bid responses or to accept the bid response which, in its judgment, will be in the best interest of the department. The department reserves the right to use any information presented in any response to this ITB.

4.1 **POOR PERFORMANCE NOTICE**

The bidder should provide for himself/herself and his/her employees, subcontractors and subcontractor employees copies of any and all documents regarding complaints filed, investigations made, warning letters or inspection reports issued, any notice of breach, notice of default, termination notice, suspension notice, or any disciplinary action initiated or taken under any contract or job performance within the past seven years. For each instance listed, provide a narrative summary of the contract's purpose and scope of work, the bidder's performance (including the concerns of the project owner) and any major adverse findings. In addition, provide the contract or job number; the name of the owner; the term of the contract; and the name, address and telephone number of the owner's contract manager. Please also include any relevant documentation evidencing the performance issues.

The department reserves the right to seek further information on this matter from the bidder or to make inquiries with the project owner. The information obtained from this review may be used to declare the bidder a non-responsible vendor.

4.2 **QUESTIONS**

Potential bidders should examine the ITB to determine if the department's requirements are clearly stated. If there are any requirements, that restrict competition, the bidder may request, in writing, to the state that the specifications be changed. A bidder who requests changes to the state's specifications should identify and describe his/her difficulty in meeting the state's specifications, provide detailed justification for a change, and provide recommended changes to the specifications. **Questions concerning conditions and specifications of this ITB, and/or requests for changes to the bid response, should be received in writing by the Bureau of Contracts, Grants and Procurement Management Services, as specified in Section 3.3 - Schedule of Events.** A bidder's failure to request changes by the specified date shall be considered to constitute bidder's acceptance of the state's specifications. The state shall determine what changes to the ITB shall be acceptable.

Questions may be emailed, faxed or delivered to the address below:

Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
Attn: ReGina Register
325 West Gaines Street, Room 332
Tallahassee, Florida 32399-0400
Email (preferred): Regina.Register@fldoe.org
FAX 850-245-0719

4.3 **RESTRICTIONS ON COMMUNICATIONS WITH DEPARTMENT STAFF**

Bidders shall not communicate with any department staff concerning this ITB, except for the department contact person identified in **Section 4.2 - Questions** of this ITB. Only those communications that are in writing from the Bureau of Contracts, Grants, and Procurement Management Services shall be considered as a duly authorized response on behalf of the department. For violation of this provision, the department reserves the right to reject a bidder's bid response.

Bidders to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72-hour period following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the procurement officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a bid response.

4.4 **PROCUREMENT PROTESTS/NOTICE OF RIGHTS**

Pursuant to s. 120.57(3)(b), F.S.:

"Any person who is adversely affected by the agency decision or intended decision shall file with the agency a notice of protest in writing within 72 hours after the posting of the notice of decision or intended decision. With respect to a protest of the terms, conditions, and specifications contained in a solicitation, including any provisions governing the methods for ranking bids, proposals, or replies, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed in writing within 72 hours after the posting of the solicitation. The formal written protest shall be filed within 10 days after the date the notice of protest is filed. Failure to file a notice of protest or failure to file a formal written protest shall constitute a waiver of proceedings under this chapter. The formal written protest shall state with particularity the facts and law upon which the protest is based. Saturdays, Sundays, and state holidays shall be excluded in the computation of the 72-hour time periods referenced in this paragraph."

Pursuant to s. 120.57(3)(a), failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes."

Florida Administrative Code Rule 28-110.002(2) defines the term "decision or intended decision," and includes the solicitation terms (and any addenda), the award of the contract, and a rejection of all Bid Responses.

At the time of filing the Formal Written Protest the protestor must also file a Protest Bond payable to the department in an amount equal to 1 percent of the estimated contract amount. Florida Statutes, Section 287.042(2)(c) and Florida Administrative Code Rule 28-110.005 contain further terms relating to the Protest Bond, including how to determine the estimated contract amount. In lieu of a Protest Bond, the department will accept cashier's checks, official bank checks or money orders. The bond shall be conditioned upon the payment of all costs and charges that are adjudged against the protestor in the administrative hearing in which the action is brought and in any subsequent appellate court proceeding.

The Notice of Protest, Formal Written Protest, and Protest Bond shall be addressed to the issuing office as defined in **SECTION 6.0 BID SUBMISSION** and filed with the agency clerk.

4.5 **ADDENDA**

No negotiations, decisions or actions will be initiated or executed by a bidder as a result of any oral discussions with a department employee. Only those communications that are in writing from the Bureau of Contracts, Grants and Procurement Management Services will be considered as a duly authorized expression on behalf of the department.

If the department determines that it should modify or interpret any portion of the ITB documents prior to the closing time and date, such changes will be included as a written addendum to the ITB. No other methodology will be considered binding or authorized in giving information concerning, or to explain or interpret the ITB document.

Notice of changes (addenda) will be posted on the Florida Vendor Bid System (VBS) at www.dms.myflorida.com (click on View Solicitations under the Doing Business with the State link, then click on Search Advertisement; select the department of Education in the Agency drop down window and initiate search), under this bid number. It is the responsibility of all potential bidders to monitor this site for any changing information prior to submitting a bid response.

NOTE: SIGNED ACKNOWLEDGEMENT OF ANY ADDENDA SHOULD ACCOMPANY ITB RESPONSE. FAILURE TO SUBMIT THE ACKNOWLEDGE FORM MAY RESULT IN DISQUALIFICATION OF THE BIDDER

4.6 MINOR EXCEPTIONS

The department may waive minor deviations or exceptions in bid responses providing such action is in the best interest of the State of Florida. Minor deviations/exceptions are defined as those that have no adverse effect upon the state's interest and would not affect the amount of the bid by giving a contractor an advantage or benefit not enjoyed by other contractors.

4.7 COPYRIGHTED MATERIAL

Copyrighted material will be accepted as part of a bid response only if accompanied by a waiver that will allow the department to make paper and electronic copies necessary for use by department staff and agents. It is noted that copyrighted material is not exempt from the Public Records Law, Chapter 119, F.S. Therefore, such material will be subject to viewing by the public, but copies of the material will not be provided to the public. All development and use of copyright material in fulfilling the terms of the bid shall be governed by the terms of the contract between the contractor and the department.

4.8 CONFIDENTIAL MATERIAL

The department takes seriously its public records responsibilities as outlined in chapter 119, F.S., and Article I, section 24 of the Florida Constitution. If respondent considers any portion of the documents, data or records submitted in response to this solicitation to be confidential, trade secret or otherwise not subject to disclosure pursuant to chapter 119, F.S., the Florida Constitution or other authority, respondent should clearly mark and identify in his/her response those portions that are confidential, trade secret or otherwise exempt. Respondent should also simultaneously provide the department with a separate redacted copy of its response. This redacted copy should contain the department's solicitation name, number and the name of the respondent on the cover, and should be clearly titled "Redacted Copy." The redacted copy should be provided to the department at the same time respondent submits his/her response to the solicitation and must only exclude or obliterate those exact portions that are claimed confidential, proprietary or trade secret.

The respondent shall be responsible for defending his/her determination that the redacted portions of its response are confidential, trade secret or otherwise not subject to disclosure. Furthermore, the respondent shall protect, defend and indemnify the department for any and all claims arising from or relating to respondents determination that the redacted portions of his/her response are confidential, proprietary, trade secret or otherwise not subject to disclosure.

If Bidder fails to submit a redacted copy with its response, the department is authorized to produce the entire documents, data or records submitted by respondent in answer to a public records request for these records.

4.9 PREPARATION COST

ITB responses shall contain all information solicited, plus any additional data, prints or literature that the bidder deems pertinent to the department's understanding and evaluation of his/her response. This ITB does not commit the department or any other public agency to pay any costs incurred by the bidder in the submission of a bid response or to make necessary studies or designs for the preparation thereof, nor to procure or contract for any articles or services.

4.10 **WITHDRAWAL**

Bidders may modify submitted bid responses at any time prior to the bid due date. Requests for modification of a submitted bid response should be in writing and should be signed by an authorized representative of the bidder. Upon receipt and acceptance of such a request, the entire bid response will be returned to the bidder and not considered unless resubmitted by the due date and time. Bidders may also send a change in a sealed envelope to be opened at the same time as the bid response. The ITB number, opening date and time should appear on the envelope of the modified bid response.

4.11 **PUBLIC OPENING OF BID RESPONSES**

Each bid response should be dated and time-stamped by the department as received. Any bid response received after the specified deadline for bid acceptance may be rejected and returned unopened to the bidder. Bid responses will be opened at the designated date and time at the department's Bureau of Contracts, Grants and Procurement Management Services, 332 Turlington Building, 325 West Gaines Street, Tallahassee, FL.

4.12 **CORRECTION OF BID RESPONSE ERRORS**

Information that is required to be included in the bid response is expected to be present and accurate. Corrections of erroneous information or typographical errors may not be permitted after the department has received the bid responses. **The contractor is solely responsible for proofreading his/her bid response and verifying its accuracy.**

4.13 **VISITOR PASS TO THE TURLINGTON BUILDING**

Each visitor to the Turlington Building is required to sign in and obtain a visitor's pass at the security desk in the main lobby. Please allow at least 15 minutes prior to bid response due time if hand-delivering your bid response to the Bureau of Contracts, Grants and Procurement Management Services.

4.14 **ACCESSIBILITY FOR PERSONS WITH DISABILITIES**

Any person requiring a special accommodation because of a disability should call the department's Bureau of Contracts, Grants and Procurement Management Services at 850-245-0735 at least five workdays prior to the bid opening. If you are hearing or speech-impaired, please contact the department by using the Florida Relay Service at 800-955-8771 (TDD).

4.15 **RESPONSE DURATION**

All submitted bid responses are binding until December 31, 2021.

4.16 **PRICING**

All bid prices are to include the furnishing of all parts, labor, transportation and incidental services or materials required. There shall be no additional costs charged for work performed under this bid. All bid prices should be submitted on the forms provided.

All bid prices quoted for Type A, Type C and Type D school buses and optional equipment should be in **even dollar amounts**. All bid prices for base units, standard options and additional contract options, including warranty agreements, should be submitted on the Microsoft Excel worksheets provided in Attachment 1 - Vendor's Bid Pricing Sheets, of this ITB. Pricing is also to be submitted in Microsoft Excel file format for base buses and options. These worksheets will be provided via e-mail to bidders listed on the bid notification list. Prospective bidders may also request to receive the electronic worksheets from Regina Register at Regina.Register@fldoe.org. The electronic worksheets are identical to the paper bid sheets included in the bid. Hard copies of price quotes are still requested, but may be printed from the electronic spreadsheets. Pricing must include the furnishing of all parts, labor, transportation, incidental services and materials required. There

shall be no additional price charged for work performed under this bid. All bid prices must remain firm until December 31, 2021. Prices should be submitted on the forms provided in a SEALED ENVELOPE with the bid number written on the outside. No price changes will be allowed throughout the contract period.

Each price sheet should be signed or initialed at the bottom of the page by the person who signs the transmittal letter.

Representatives of the Florida Department of Management Services, State Purchasing, may be invited to act as advisors in final determination and acceptance of bids.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

4.17 **AWARD**

As in the best interest of the state, the right is reserved to award based on **all or none, group of items, item by item or any combination thereof**, to a responsive, responsible bidder. As in the best interest of the state, the right is reserved to reject any and/or all bid responses or to waive any minor irregularity in bid responses received. Conditions that may cause rejection of bid response include, without limitation, evidence of collusion among bidders, obvious lack of experience or expertise to perform the required work, failure to perform, or meet financial obligations on previous contracts.

Bid tabulations will be posted and available for public viewing in the reception room of the Bureau of Contracts, Grants and Procurement Management Services and posted on the VBS. A printed copy of the bid tabulation will be available upon written request to the Bureau of Contracts, Grants and Procurement Management Services. Telephone requests will not be accepted. Each written request should contain a self-addressed, stamped envelope and reference the bid title and number. Bid tabulations will be posted and available for public viewing in the reception room of the Bureau of Contracts, Grants and Procurement Management Services.

Bid awards will be made in conformance with applicable requirements of chapter 287, F.S.; chapter 60A-1, F.A.C.; and the requirements of this ITB, where it includes additional or more specific procedures. Awards will be made for the following school bus configurations, as available, meeting standard Florida School Bus Specifications, Revised 2019: Type A; Type C; Type D rear engine; and Type D front engine, subject to the following procedures:

- Low price shall be calculated for each configuration based on the combination price for completed base units submitted on pricing page P-1 and average regional delivery cost using price quotes as supplied in this bid (Bid No: ITB 2020-16, Attachment 1 – Vendor's Bid Pricing Sheets).
- Bid awards will be made on the basis of a multiple supplier award.
- Overall awards will be made to each responsive and responsible bidder for all configurations on which that bidder submits price quotes within 10 percent of the lowest price for that configuration. A configuration is defined as a unique combination of the following vehicle characteristics: bus capacity (e.g., 77 capacity), bus type (e.g., Type C) and wheelchair lift (if applicable). An example of a configuration for this purpose is a 77 capacity Type C with lift.

Technical variations to published bid award procedures may be invoked at the discretion of the department when necessary to ensure equitability.

4.18 AUTHORIZATION TO DO BUSINESS IN THE STATE OF FLORIDA

Foreign corporations and foreign limited partnerships should be authorized to do business in the State of Florida. Domestic corporations should be active and in good standing in the State of Florida. Such authorization and status should be obtained by the bid due date and time, but in any case, must be obtained prior to contract execution. For authorization, contact:

Florida Department of State
Tallahassee, Florida 32399
850-245-6053

4.19 LICENSED TO CONDUCT SERVICES IN THE STATE OF FLORIDA

If the service(s) being provided requires that individuals be licensed by the Florida Department of Business and Professional Regulation or any other state or federal agency, such licenses should be obtained by the bid due date and time, but in any case, must be obtained prior to contract execution. For state licensing, contact:

Florida Department of Business and Professional Regulation
Tallahassee, Florida 32399-0797
850-487-9501

4.20 NOTICE TO CONTRACTOR

The department shall consider the employment by any contractor of unauthorized aliens a violation of s. 274A (e) of the Immigration and Nationalization Act. If the contractor knowingly employs unauthorized aliens, such violation shall be cause for unilateral cancellation of this contract.

4.21 QUALIFICATIONS

The department will determine whether the bidder is qualified to perform the services being contracted based upon the bid response demonstrating satisfactory experience and capability in the work area. The bidder should identify necessary experienced personnel and/or facilities to support the activities associated with this bid.

Those individuals who will be directly involved in the project should have demonstrated experience in the areas delineated in the scope of work. Individuals whose qualifications are presented will be committed to the project for its duration, unless otherwise excepted by the department. In the event it becomes necessary for the contractor to substitute key personnel, such substitution will take place in consultation with the department and will be made upon the department's prior approval, which will not be unreasonably withheld.

4.22 SUBMISSION OF BID RESPONSES BY SUBSIDIARIES OR AFFILIATES

A bidder, its subsidiaries, affiliates or related entities is limited to one bid response. Submission of more than one bid response per activity by a bidder may cause the rejection of all bids submitted by the bidder. In the alternative, the department may decide in its sole discretion which bid to evaluate and consider. A subsidiary or affiliate of a prime bidder may also be included as a subcontractor in another bidder's bid response.

4.23 IDENTICAL EVALUATION OF BID RESPONSES

Whenever two or more bid responses that are equal with respect to price, quality and service are received, the department will determine the order of award using the criteria established in rule 60A-1.011, FAC. The Drug-Free Workplace Program Certification can be found as Attachment 3.

4.24 METHOD OF PAYMENT

Payment will be made in accordance with the terms and conditions of the purchase order or contract.

Payments will be made in accordance with s. 215.422, F.S., which delineates contractor's rights and the eligible users' responsibilities concerning time allowances for payment of invoices and applicable interest penalties. Pursuant to s. 287.058, F.S., all invoices must be submitted in detail sufficient for a proper pre-audit and post-audit thereof. Please see ss. 4.35, 7.3, 7.4 and 7.9 for specific requirements related to acceptance of and payment for school buses.

Subject to the requirements for acceptance, all payment for Type A, C and D buses will be due within 40 days after acceptance by the local purchasing agency or receipt of invoice and the manufacturer's certificate of origin, whichever is later.

4.25 EXTENSION

In the event that circumstances arise that make performance by the contractor impracticable or impossible within the time allowed or that prevent a new, or renewed contract from being executed, the department, in its discretion, may grant an extension of the contract. An extension of the contract resulting from this bid shall be in writing for a period not to exceed six months and shall be subject to the same terms and conditions set forth in the contract. The department may, in its discretion, grant a proportional increase in the total dollar amount based on the method and rate established in the contract. There shall be only one extension of the contract, unless the failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. It shall be the responsibility of the contractor to ensure at all times that sufficient time remains in the project schedule within which to complete services on the project. In the event there have been delays that would affect the project completion date, the contractor shall submit a written request to the department that identifies the reason(s) for the delay and the amount of time related to each reason. The department will review the request and make a determination whether to grant all or part of the requested extension.

4.26 INSPECTION AUDIT AND MAINTENANCE OF REPORTS

Representatives of the department, the Comptroller of the State of Florida, or the Auditor General of the State of Florida, or their duly authorized representatives, shall have access, for purposes of examinations and recovery, to any books, documents, papers and records of the contractor as they may relate to this contract. The contractor shall maintain books, records and documents in accordance with acceptable accounting principles and practices that sufficiently and properly reflect charges made. The department may unilaterally cancel any resultant contract for refusal by the contractor to allow public access to all documents, papers, letters or other material originated or received by the contractor in conjunction with this contract, subject to the provisions of chapter 119, F.S.

4.27 DIVERSITY IN CONTRACTING

The State of Florida is committed to supporting its diverse business industry and population through ensuring participation by minority, women and service-disabled veteran business enterprises in the economic life of the state. The State of Florida Mentor Protégé Program connects minority, women and service-disabled veteran business enterprises with private corporations for business development mentoring. We strongly encourage firms doing business with the State of Florida to participate in this program. For more information on the Mentor Protégé Program, please call the Office of Supplier Diversity at 850-487-0915.

The state is dedicated to fostering the continued development and economic growth of small, minority, women and service-disabled veteran business enterprises. To this end, it is vital that small, minority, women and service-disabled veteran business enterprises participate in the state's procurement process as both contractors and sub-contractors in this solicitation. Small, minority, women and service-disabled veteran business enterprises are strongly encouraged to contribute to this solicitation.

Information on Certified Minority Business Enterprises (CMBE) and Certified Service-Disabled Veteran Business Enterprises (CSDVBE) is available from the Office of Supplier Diversity at:
http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd/.

4.28 SUB-CONTRACTING

Neither this contract nor any portion thereof shall be sub-contracted without the prior written approval of the department. No sub-contract shall, under any circumstances, relieve the contractor of his/her liability and obligation under this contract. Despite any such sub-contracting, the department shall deal through the contractor, who shall retain the legal responsibility for performing the contractor's obligations.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount on the utilization summary form, provided as Attachment 4. The contractor shall provide a list of subcontractors to the department's contract manager upon execution of the contract. The prime contractor shall provide the utilization summary form with each invoice submitted for payment. The form must be submitted with all invoices, regardless of whether or not funds have been spent with a small, minority, women and service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Department of Management Services, Office of Supplier Diversity will furnish names of qualified small, minority, women and service-disabled veteran business enterprises. The Office of Supplier Diversity can be reached at 850-487-0915; the website address is http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd/.

4.29 CONTRACTUAL OBLIGATIONS

The department's Contract Standard Terms and Conditions are incorporated in this ITB as Attachment 6 and will govern the relationship between the contract vendor and the department. Bid responses submitted by Contractors shall be incorporated into the final purchase order(s) or contract(s).

4.30 CONTRACT COMPLETION

The contractor will be required to ensure that each individual, partnership, firm, corporation or subcontractor that performs on the contract is subject to, and complies with, the contractual requirements. When contract negotiations are successfully concluded, a written contract will be prepared that will incorporate the following documents:

- This ITB
- Addenda to this ITB
- And the bidder's response

The contractor shall begin performing services only upon execution of a valid contract between the parties.

4.31 DISPOSITION OF BID RESPONSES

All bid responses become the property of the State of Florida and will be a matter of public record subject to the provisions of chapter 119, F.S.

4.32 ALTERNATES

ALTERNATE BRANDS OR PRODUCTS WILL NOT BE CONSIDERED FOR THIS BID RESPONSE. Bid as required per specifications provided in Attachment 11, Florida School Bus Specifications, Revised 2019.

4.33 WARRANTY/SUBSTITUTIONS

A warranty is required on all items purchased against defective materials, workmanship, and failure to perform in accordance with required industry performance criteria. Any deviation from these criteria must be documented in the bid response or the above statement shall prevail. Delivery of substitute commodities requires prior written approval from the department.

The selected bidder, upon receiving award and entering into a contract with the department, must warrant that all materials and services delivered to the department and purchasers pursuant to the contract conform to all of the specifications contained or referred to herein. The bidder must comply with warranty requirements provided in Attachment 11 - Florida School Bus Specifications, Revised 2019. Failure or neglect of the department to require compliance with any term or condition of the contract or specifications shall not be deemed a waiver of such term or condition. The awarded contractor, by entering into a contract with the department, warrants and represents that all materials and services delivered to the department and purchasers pursuant to the contract conform to all of the specifications included or referred to in the ITB document, attachments and addenda.

By submitting this bid, the bidder agrees to accept, process and pay within 45 days properly completed warranty claims on behalf of purchasing school districts via any paper forms, electronic system, or Internet-based warranty system that may be available. The warranty process will be initiated with the bidder or bidder's representative, who will either perform the warranty repairs or facilitate the warranty repairs if they are performed by another entity. Completed claims for warranty reimbursement not paid within 45 days shall incur 3 percent penalties for 0-30 days' late payment.

4.34 PRODUCT REQUIREMENTS/SPECIFICATIONS

Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it may be considered that items offered are in strict compliance with these specifications, and Contractor will be held responsible therefor. Deviations must be explained in detail on separate attached sheet(s).

4.35 ACCEPTANCE

All buses shall be inspected and accepted or rejected by an authorized representative of the school board or other purchasing entity **within 10 business days of delivery or pickup of the completed units**. Districts that take delivery on a quantity greater than five school buses within a two-day period shall be allowed one extra day for the number of buses over five. For example, a district that takes delivery of eight school buses within a two-day period shall be allowed 13 business days to inspect and accept or reject the buses. Should any agency purchasing a bus not be satisfied that the requirements of the specifications have been met, representatives of the Florida Department of Education, School Transportation Management Section (STMS); the Florida Department of Management Services; State Purchasing and the purchasing agency shall have the right to inspect the unit and issue an order of acceptance or rejection.

Purchasers must inspect the vehicle and compare the purchase order and the bidder's invoice, as well as the **bidder's pre-delivery inspection form**, to ensure that the vehicle meets or exceeds the requirements of Attachment 11 - Florida School Bus Specifications, Revised 2019, and the purchase order. Purchasers must also inspect the vehicle for physical damage. Failure of the purchaser to discover an error (excluding physical damage) in the vehicle's components relating to specifications compliance and proper operation (subject to applicable warranties) will not relieve the bidder from correcting the error in the event it is found after the vehicle is accepted by the purchaser.

Delivery of the vehicle to a purchaser does not constitute acceptance for the purpose of payment. Final acceptance and authorization of payment shall be given only after a thorough inspection indicates that the vehicle meets contract specifications and is in ready-to-use condition.

At the time of the inspection, should the delivered vehicle differ in any respect from required specifications or exhibit poor fit, finish or quality, 5 percent of the payment for the specific vehicle may be withheld until such time as the bidder completes necessary corrective action.

Vehicles provided under this bid are not considered "delivered" until:

- a. They are physically on the purchasing district's property,
- b. They are in ready-to-use condition, and
- c. The manufacturer's certificate of origin (MCO), PDI form, manuals and all associated literature have been delivered.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

SECTION 5– SPECIAL TERMS AND CONDITIONS

5.0 PRE-BID CONFERENCE: A PRE-BID CONFERENCE WILL NOT BE HELD.

5.1 PERFORMANCE BOND

A performance bond or cashier's check will be required of all Contractors of Type A, C and D school buses and will be held by the Florida Department of Education, STMS, as surety of full, complete and timely performance on any and all orders duly issued against the contract. The performance bond may be used to provide coverage for ALL aspects of compliance with the contract including, but not limited to, liquidated damages for delayed delivery, specifications compliance, warranty compliance and reprourement procedures, in the event of contract non-compliance or default.

Contractors agree to furnish, within ten days after award of bids, at no additional cost to the department and school districts, a performance bond or cashier's check in the amount of \$750,000 for Type C and D bidders and \$100,000 for Type A-only bidders to guarantee full and complete performance of the contract. Such bond, if provided, shall be issued to the Florida Department of Education and Purchasing School Districts with language that specifies coverage for compliance with all aspects of the contract, including any liquidated damages. The bidder shall be responsible for reviewing the adequacy of the bond and ensuring it provides the coverage required by this contract. Failure of the bond to provide the required coverage shall not absolve the bidder of responsibility for the required level of financial and other obligations. The bond shall be provided from a reliable surety company, licensed to do business in the State of Florida and acceptable to the Florida Department of Education. To be acceptable to the Florida Department of Education as surety for performance bonds, a surety company shall comply with the following provisions:

- 1) The surety company must be qualified to do business in the State of Florida.
- 2) The surety company shall have been in business and have a record of successful continuous operation for at least five years.
- 3) All bonds shall be signed by a Florida licensed resident agent who holds a current power of attorney from the surety company issuing the bond.

5.2 INSURANCE, WORKERS' COMPENSATION

During the contract term, the contractor at his/her sole expense shall provide commercial insurance of such a type and with such terms and limits as may be reasonably associated with the contract, which, at a minimum, shall be: workers' compensation and employer's liability insurance in accordance with chapter 440, F.S. Such policy shall cover all employees engaged in any contract work.

Employers who have employees who are engaged in work in Florida must use Florida rates, rules and classifications for those employees. In the construction industry, only officers of a corporation or any group of affiliated corporations may elect to be exempt from workers' compensation coverage requirements. Such exemptions are limited to a maximum of three per corporation, and each exemption holder must own at least 10 percent of the corporation. Independent contractors, sole proprietors and partners in the construction industry cannot elect to be exempt and must maintain workers' compensation insurance.

5.3 INSURANCE, GENERAL LIABILITY

The contractor shall take out and maintain during the life of this agreement Comprehensive General Liability as shall protect him from claims for damage for personal injury, including accidental death, as well as claims for property damages that may arise from operating under this agreement, whether such operations are by contractor or by anyone directly or indirectly employed by contractor, and the amount of such insurance shall be the minimum limit, as follows:

- Contractor's Comprehensive General Liability Coverage, Bodily Injury & Property Damage - \$100,000 Each Occurrence, Combined Single Limit

The certificate(s) of insurance must comply with the following standards:

- No exclusions or restrictions in coverage will be accepted.
- The insurance coverage must be with an insurance company with a Best's rating of "A" or better.
- The certificate must include a 30-day notice of cancellation.
- The department must be listed as an "additional insured" on coverage.

5.4 INDEMNIFICATION

Contractor agrees to indemnify, hold harmless and defend, at his/her own expense, including reasonable attorney's fees, the department and its employees against any and all claims or suits for property loss or damage and/or personal injury, including death, to any and all persons, of any kind and character, whether real or asserted, arising out of and in connection with contractor's negligence, intentional acts or omissions related to its performance under the contract.

5.5 SCRUTINIZED COMPANIES LISTS

S. 287.135, F.S., requires that, at the time a company submits a bid or proposal for a contract for goods or services of \$1 million or more, the company must certify that it is not on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to s. 215.473, F.S.

Bids of \$1 million or more should include the attached ***Scrutinized Companies Lists*** Form (Attachment 5) to certify the respondent is not on either of those lists. The form should be submitted with the technical reply.

SECTION 6 – SCOPE OF SERVICES

6.0 SCOPE OF SERVICES

S. 1006.27, F.S., states that the department shall assist district school boards in securing school buses at prices that are as reasonable as possible by providing a plan under which district school boards may voluntarily pool their bids for such purchases. The department, in cooperation with the Florida Department of Management Services, has prepared and awarded term contracts for the purchase of various types of school buses and optional equipment, and made the contracts available to district school boards in order to facilitate this service.

6.1 DELIVERABLES (Status Reports)

The Contractor(s) is required to furnish, on at least a monthly basis, a status report of all units ordered by eligible users from this bid or local purchasing agreements, following the format prescribed in Attachment 9 – File Structure for Required Status Report. This report shall be submitted electronically in the same format. These monthly status reports shall be sent to the Florida Department of Education, STMS, 834 Turlington Building, 325 West Gaines Street, Tallahassee, Florida 32399-0400 or emailed to SCHTRANS@fldoe.org. This information shall be provided on an ongoing basis until all units ordered by eligible users from this bid or local purchasing agreements are delivered. Failure to submit the aforementioned reports on time and in the proper format may be considered when determining the Contractor's fitness for the next bid.

A sample status report, as specified in Attachment 9 – File Structure for Required Status Report, shall be provided with the bid response.

6.2 LIQUIDATED DAMAGES

The Contractor's failure to complete purchased school buses both correctly and on time will result in substantial injury to purchasing school districts, but the amount of damages resulting from such injury cannot be calculated with certainty. Each failure to complete a school bus correctly and on time is hereinafter referred to as a default. Defaults shall be deemed corrected on the day that the school bus has been delivered in ready-to-use condition. "Ready-to-use" shall be defined as meeting all applicable specifications, with all equipment functioning properly and without substantive defects (as determined by the purchaser or the Florida Department of Education, STMS). For each default, the contractor shall be liable to the purchasing school district for liquidated damages, as set forth herein.

Buses not ready for pickup or not delivered to the purchasing school district (as specified by purchaser) in ready-to-use condition by the dates specified in section 7.17 will be assessed liquidated damages of \$25 per bus, per calendar day that delivery is late for non-lift units and \$50 per bus, per calendar day that delivery is late for units equipped with wheelchair lifts.

a. Calculation of Liquidated Damages

Eligible users will be responsible for calculating, assessing and collecting liquidated damages.

Delays in delivery caused by strikes at the bidder's or chassis manufacturer's plant, acts of God or circumstances beyond the control of the company are excepted.

b. Collection of Liquidated Damages

Purchasing school districts and the FSDB will be permitted to deduct calculated liquidated damages for late delivery from the payment for the bus. Purchasing school districts and the FSDB are required to notify the bidder, in writing, at least 30 days in advance of their intent to deduct liquidated damages in a specified amount

and provide the bidder an opportunity to resolve or adjust the calculation of the damages prior to their assessment.

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

SECTION 7 – SPECIAL INSTRUCTIONS – BID RESPONSE FORMAT & CONTENT

7.0 BID RESPONSE SUBMISSION

Bid responses are due as specified in **Section 3.3 – Schedule of Events**.

Mailed or Delivered To: Florida Department of Education
(DO NOT FAX OR EMAIL) Bureau of Contracts, Grants and Procurement Management Services
Attn: ReGina Register
325 West Gaines Street, Room 332
Tallahassee, Florida 32399-0400

Bids received after this time and date may not be considered. By submitting a bid response, the bidder represents that he or she understands and accepts the terms and conditions to be met and the character, quality and scope of commodities to be provided. All bid responses and associated forms should be signed and dated in ink by a duly authorized representative of the bidder.

Each bidder should fully acquaint himself or herself with the conditions relating to performance requirements under the conditions of this ITB. All bid prices should be submitted on the sheets provided in this ITB. All bid prices must remain firm until December 31, 2021.

All bid responses and related documents submitted in response to this ITB shall become the property of the State of Florida.

7.1 BID CONDITIONS

No conditions may be applied to any aspect of the ITB by the prospective bidder. Any conditions placed on any aspect of the bid documents by the prospective bidder may result in the bid response being rejected as a conditional bid. All bid submissions must be typed into the pricing spreadsheet pages. **DO NOT WRITE IN CHANGES ON ANY ITB SHEETS.** The only additional recognized changes to the ITB prior to bid opening will be by written addendum issued by the department.

7.2 BID RESPONSE FORMAT INSTRUCTIONS

This section contains instructions that describe the required format for the bid. All bids submitted should be marked as follows:

Bid Number: ITB 2020-16
COMPANY NAME
CONTACT PERSON NAME AND PHONE
Opening Date/Time: OCTOBER 23, 2019 @ 9:15 A.M. ET.

The bidder should submit one original, one hard copy, and two copies in electronic format (flash drive, compact disc, etc.) in Microsoft Word 5.0 or higher or Microsoft Excel 5.0 or higher. Additionally, the bidder should provide all submitted pricing pages in Microsoft Excel 5.0 or higher format. Since the department

will expect all bids to be in this format, failure of the bidder to follow this requirement may result in the rejection of the bid.

Section 1

■ Transmittal Letter

The bidder should provide a transmittal letter on company letterhead) that contains the following statements:

- A statement that the person signing the bid response is authorized to represent the bidder and bind the bidder relative to all matters contained in the bidder's bid response.
- Company's federal tax identification number.
- Company's DUNS number.
- A statement that the bidder has read, understands and agrees to all provisions of this ITB. By submitting a bid, the bidder agrees to the terms and conditions of the ITB notwithstanding any statement in the bid to the contrary.
- A statement that the bidder is authorized to conduct business in Florida. In lieu of such statement, the bidder should alternatively represent that he/she will secure authorization to do business in Florida prior to contract execution.
- A statement that the bidder is registered on the MyFloridaMarketPlace Website. In lieu of such statement, the bidder should alternatively represent that he/she will complete such registration authorization prior to contract execution.
- A statement that the bidder has electronically registered a valid W-9 with the Department of Financial Services (DFS). DFS is ready to assist any vendors with questions, and vendors must submit their W-9 forms electronically at <https://flvendor.myfloridacfo.com>. Contact the DFS at 850-413-5519 or FLW9@myfloridacfo.com with any questions.
- When applicable, bidder should address small, minority, women and service-disabled veteran business enterprise participation in the transmittal letter.

The Bidder is encouraged to limit the letter to no more than two pages.

Section 2

- Attachment 1 - Vendor's Bid Pricing Sheets for base buses and options, each page signed or initialed
- Attachment 2 - Disclosure Statement
- Attachment 3 - Drug-Free Workplace Form
- Attachment 4 - Minority Certificate
- Attachment 5 - Scrutinized Companies Lists
- Attachment 7 - Bidder Representation
- Attachment 8 - Purchase Order Preference/Customer Contact Preference Form
- Attachment 9 - File Structure for Required Status Report
- Attachment 12 - Letter representing that buses will meet all applicable Federal Motor Vehicle Safety Standards, and representing the adequacy of Gross Axle Weight Ratings (GAWRs)
- Attachment 13 - Letter representing that lift installation will be in compliance with Florida's specifications
- Attachment 14 - Estimated delivery dates for Type A, C and D chassis delivery supplied by chassis manufacturer
- Attachment 15 - Letter acknowledging the financial consequences as specified in section 6.2
- Attachment 16 - Letter specifying the seat covering material manufacturer and model number
- Attachment 17 - Letter stating that all Type C and D buses will meet chassis performance specifications
- Attachment 18 - PDI program outline as specified in section 7.9

- Attachment 19 - All addenda (if applicable; should be signed by authorized company representative)

7.3 **GENERAL BID REQUIREMENTS**

All terms and conditions as outlined, and specifications given for school bus bodies and school bus chassis in Attachment 11 - Florida School Bus Specifications, Revised 2019, are a part of this bid.

Each bidder shall bid **ALL OR NONE OF EACH BUS CONFIGURATION**. A bid on only a portion of the units in any one configuration will not be accepted.

Language in this document takes precedence over any conflicting language in the General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.4 **ESTIMATED QUANTITIES**

It is anticipated that eligible users will purchase approximately 1,000 total buses under contracts resulting from this bid. The types and total dollar figures from the previous two bids are as follow:

<i>BID #2017-02 (as of June 30, 2019)</i>			<i>BID #2016-01</i>	
<i>TYPE</i>	<i># PURCHASED</i>	<i>TOTAL DOLLARS</i>	<i># PURCHASED</i>	<i>TOTAL DOLLARS</i>
<i>A</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>\$0</i>
<i>C</i>	<i>2,078</i>	<i>\$225,318,022.30</i>	<i>1,719</i>	<i>\$183,776,615.09</i>
<i>D</i>	<i>16</i>	<i>\$2,050,698.00</i>	<i>13</i>	<i>\$1,125,523.00</i>
<i>Total</i>	<i>2,094</i>	<i>\$227,368,720.30</i>	<i>1,732</i>	<i>\$184,902,138.09</i>

NOTE: These figures are provided only as a guideline for preparing your bid and should not be construed as representing actual figures under the contract.

7.5 **DEALER-OFFERED OPTIONS AND SALES INCENTIVES**

Occasionally, a customer may request a vehicle option that is not included on this contract. Additional dealer-offered options may **NOT** be offered after the bid opening.

Contractors are prohibited from offering sales incentives not specifically included within this ITB, such as rebates, parts credits, extended warranties, etc. Contractors shall also notify component, equipment and service suppliers that they may not offer such incentives, and shall notify the STMS immediately if they become aware of any such offers or transactions. Liquidated damages of \$2,000 for each violation will be enforced, and violators may be removed from the bidders list.

7.6 **ORDERING INSTRUCTIONS**

The following ordering process will be adhered to by all eligible users desiring to purchase buses from this bid:

- (1) Entity will first submit purchase order (made out to the awarded bidder) to the Florida Department of Education STMS for review and approval. Contractors receiving purchase orders not approved by the STMS must **immediately** forward them to the STMS for review/approval.
- (2) Purchase orders that have been cleared by the STMS will bear a stamp showing the applicable purchase plan, date of processing and processor's initials. Purchase orders that reach the Contractor without the STMS stamp shall not be considered processed and cleared by the STMS and must be rerouted to the STMS office.

7.7 **TECHNICAL DOCUMENTATION**

All products bid must meet or exceed all conditions and specifications of the ITB. When technical documentation is required by the STMS, its purpose is to demonstrate compliance of the product bid with applicable technical requirements of the ITB or to allow a technical evaluation of the product. The STMS may,

at its discretion, determine the technical acceptability of the products offered through the use of any technical documentation available within the STMS as of the date and time of bid opening and evaluation. Such authority of the STMS shall in no way relieve the bidder from the ultimate responsibility to provide any required technical documentation, nor shall any bidder assume that such documentation is otherwise available to the STMS. The state shall not be responsible for the accuracy of the technical documentation in its possession.

7.8 PILOT MODEL INSPECTIONS

The Contractor is responsible for providing a pilot model of each size and type bus awarded for inspection by representatives of the STMS. The pilot model inspection may take place at the assembly plant or other inspection facility. Units equipped with wheelchair lifts shall be made available for pilot inspection first. The Contractor shall incur expenses associated with travel and per diem for the pilot model inspection for up to two persons from the STMS and one representative from each school district that purchased one or more buses included in the pilot inspection. If a representative of the purchasing school district is not available for the pilot model inspection, a member of the Florida Association for Pupil Transportation (FAPT) Specifications Committee may substitute upon request. **If specifications or quality problems are noted as part of the initial inspection, or if some equipment cannot be inspected during the initial pilot inspection, the STMS reserves the right to require the Contractor to pay all costs involved for two persons selected by STMS to conduct a follow-up inspection at the assembly plant. Alternatively, such follow-up inspection may be required in Tallahassee, Florida, as determined by the department. Regular production of school buses shall not be scheduled until specifications and quality have been determined to meet Florida school bus requirements.**

7.9 PRE-DELIVERY INSPECTIONS

Contractors will be required to perform and document a Florida-specific pre-delivery inspection of each unit prior to delivery to the purchasing school district. This inspection shall include all items and be documented on the Pre-Delivery Inspection (PDI) form included in Attachment 10 of this document. These inspections shall be conducted by Contractor representatives trained and certified as Florida school bus inspectors by the department. Inspector training and certification will be provided by the department, at each Contractor's expense. It is each Contractor's responsibility to ensure that all components of his/her products are properly inspected and documented.

A completed copy of the PDI form shall accompany each unit delivered for district verification. Any items found to be missing; inoperative; out of compliance with Florida specifications; out of compliance with the criteria outlined in the Florida School Bus Safety Inspection Manual; or of poor fit, finish or quality shall be repaired and/or replaced prior to delivery to the purchasing school district.

The department and/or purchasing district personnel may additionally conduct random post-delivery inspections on units that have previously been inspected by the Contractor or manufacturer. Such units may be inspected with little or no notice to the Contractor at the assembly plant or other inspection facility at no expense to the Contractor.

7.10 CONTRACT

The department's contract for Type A, Type C and Type D school buses and optional equipment is incorporated in this ITB as Attachment 6. The contract may be executed with a responsive and responsible bidder who submits price quotes within 10 percent of the lowest price for a configuration. The contract will govern the relationship between the Contractor and the department. In the event there is a conflict between the requirements of this ITB and those of the contract, the requirements as stated in the ITB shall apply. When bid calculations are successfully concluded, a written contract will be executed that will incorporate the following

documents as each was changed or affected by the calculation. The order of priority in the event of conflicts between contract documents is:

- Addenda to this ITB
- This ITB
- Department contract
- Award letter
- Contractor's response

7.11 VARIATION OR SUBSTITUTION OF EQUIPMENT

Substitution of equipment on which information or pricing are specifically requested as part of this ITB will not be allowed. Liquidated damages of \$2,000 for each violation will be enforced, and violators may be removed from the list of qualified Contractors. Liquidated damages will be deposited in the Education Trust Fund.

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.12 MYFLORIDAMARKETPLACE

In the event that there is a [MyFloridaMarketPlace](#) fee for school buses purchased under this contract, the Contractor may pass the cost on to the purchasing entity. This potential cost will not be factored into the bid award calculation.

7.13 CONTACT BETWEEN CONTRACTOR AND THE DEPARTMENT AFTER AWARD OF CONTRACT

A staff member from the department will be assigned to be the project manager and will be responsible for the implementation of the contract resulting from this ITB:

The bidder shall designate at least one contract manager with responsibility to the State of Florida who should remain readily available by telephone, cellular phone or email for unresolved contract concerns and be responsible for managing said concerns with the assembly plant, dealer or other entity, as appropriate. The bidder's contract manager and full contact information shall be included in the transmittal letter.

7.14 TERMINATION FOR CAUSE

The department reserves the right to immediately terminate the contract by providing written notice to the Contractor if the department determines any of the following has occurred:

- Contractor fails to perform to the department's satisfaction any material requirement of the contract; or
- The action or inaction of the Contractor substantially endangers the execution of the contract, or such occurrence can be reasonably anticipated.

7.15 DELIVERY PRICING ADJUSTMENT

In accordance with Form PUR 1000, item 4(e), the department may make an equitable adjustment in the contract terms for delivery pricing related to increased costs of diesel fuel based on the index below. This index is subject to the Department of Energy National Average Fuel Price Index. The index will be reviewed on June 30, 2020 and June 30, 2021. Subsequent price changes, if any, will become effective upon notification to district transportation officials.

DIESEL FUEL INDEX
FUEL COST PER GAL (\$)

ADJUSTMENT AMOUNT
DELIVERY PRICING INCREASE %

Below 4.26

Contractor's ITB response delivery pricing schedules apply

4.26 to 4.60

10% above Contractor's ITB response delivery pricing schedules

Above 4.60

20% above Contractor's ITB response delivery pricing schedules

7.16 RECALL NOTIFICATIONS

The National Traffic and Motor Vehicle Safety Act (originally enacted in 1966 and now recodified as 49 U.S.C. Chapter 301) gives the United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) the authority to issue vehicle safety standards and to require manufacturers to recall vehicles that have safety-related defects or do not meet federal safety standards. Contractor(s) will be responsible for ensuring that the department is notified of all NHTSA safety recalls related to vehicles purchased from contracts resulting from this invitation to bid. Such notification shall include an electronic list of affected vehicles in either Microsoft Excel or Access format. Other electronic formats may not be substituted without prior approval.

7.17 TIMELINES

Purchase orders will be accepted from January 1, 2020 through December 31, 2021. The required delivery date will be 240 days from the date the Contractor and/or Contractor's representative(s) receives the district's electronic purchase order notification after processing by the department.

Bidder must furnish a schedule showing the cost of delivery of each completed unit from the manufacturing plant to the county seats of Florida, by region, as requested on Attachment 1 Vendor's Bid Pricing Sheet. This data shall be used in determining the Contractor. Any purchaser may elect to accept delivery of the buses included in the order at the factory. When delivery by the Contractor is specified, the Contractor shall deliver buses to the applicable district or agency's central school bus garage or main office of a purchasing private school. **Purchasers opting for delivery of their completed bus(es) must be contacted by the school bus Contractor to schedule final delivery five business days prior to the delivery of their completed units. Deliveries shall be scheduled between the hours of 8 a.m. and 5 p.m., Monday through Friday, excluding holidays.**

Language in this document takes precedence over any conflicting language in the attached General Contract Conditions (Form PUR 1000) and General Instructions to Respondents (Form PUR 1001).

7.18 ESTIMATED DELIVERY DATES

For all buses bid as complete units for which chassis and bodies are to be built by separate manufacturers, the bidder shall be responsible for securing from the chassis manufacturer estimated delivery dates for the completed chassis to the body plant, based upon the chassis ordering time lines specified or required to meet the completed unit delivery time lines called for in this request for bids. Estimated delivery dates should be submitted as part of the bid response package.

7.19 REPRESENTATIONS

As part of this bid, each bidder should represent in a letter to be included with the bid that each unit sold by the bidder's company or representative for school buses will meet Attachment 11 - Florida School Bus

Specifications, Revised 2019; National School Transportation Specifications and Procedures, Revised 2015; and all applicable Federal Motor Vehicle Safety Standards.

This letter should also represent that the chassis furnished will have adequate gross axle weight ratings (GAWRs), front and rear, for mounting and representing bodies meeting Florida School Bus Specifications. The letter should be submitted as part of the bid response.

In the event that a Type A or C bus is manufactured by separate chassis and body manufacturers, each bidder should represent by letter any and all specifications as required in the paragraph above.

As per Attachment 11 - Florida School Bus Specifications, Revised 2019, for wheelchair lifts and installations, the Contractor will be required to comply with all applicable design testing pertaining to the installed lift. A letter indicating such compliance will be required before buses equipped with wheelchair lifts may be delivered.

The bidder should submit **with the bid** written representation that the lift will be installed according to lift manufacturer's specifications and Florida specifications.

Please include as part of your bid an attachment providing information on the seat covering material to be supplied on buses sold via the bid. This information should include the name of the company supplying the material and the name or number designation for the material. **NOTE:** The seat covering material as bid must be provided throughout the term of the bid and may not be subject to substitution or change.

7.20 FLOOR PLAN (ORDER CONFIRMATION)

Upon receipt of the purchase order(s), the bidder shall provide the **purchaser** one line drawing for every configuration ordered. The line drawing will inform the purchaser of the unit's floor plan, including air-conditioning evaporator locations, and will also serve as bidder confirmation of the order.

7.21 WHEELCHAIR LIFT BUS REQUIREMENTS

Florida School Bus Specifications require wheelchair lift school buses to be offered with wheelchair lifts mounted in front of and behind the rear wheels, except for body sizes on which both locations are not available. Wheelchair lift bus (WLB) seating capacity shall be based on the maximum regular student seating that can be accommodated with the standard three wheelchair spaces per bus (see specifications for wheelchair space dimensions, minimum aisle width, barrier requirements and other pertinent WLB specifications), as follows:

NOTE: Maximum available regular student seating shall be made available with the specified number of wheelchair spaces, whenever possible, consistent with specifications (usually with wheelchair spaces rearward and 39-inch seats forward). 29-capacity Type C wheelchair lift buses must be bid with an extra body section or spacing, as required, to ensure availability with the lift mounted behind the rear wheels.

- **TYPE A1 WLBs**, 19-29 capacity - Net 1 in wheelchair, maximum number available in regular seats.
- **TYPE A2 WLBs**, 30-47 capacity - Net 2 in wheelchairs, maximum number available in regular seats.
- **TYPE C WLBs**, 29-77 capacity - Net 3 in wheelchairs, maximum number available in regular seats.
- **TYPE D WLBs**, all sizes - Net 3 in wheelchairs, maximum number available in regular seats.

7.22 TRAINING, EQUIPMENT AND PUBLICATION REQUIREMENTS

A. Wheelchair Lift and Body Service Training

The Contractor "shall be responsible for providing or arranging wheelchair lift service training as needed." This training shall include, at a minimum, one-day training seminars on overall features, operation, preventive maintenance, diagnosis and rebuild of wheelchair lifts offered through the bid. The seminars are to be conducted free of charge at district garage locations. At least one seminar on each given lift model shall be conducted per five school districts purchasing a bus or buses equipped with that lift. The Contractor shall also be responsible for providing eight one-day body service training seminars in conjunction with the Florida Summer Technicians Workshop (or equivalent, as determined by the STMS).

B. Chassis/Engine Training

The Contractor of Type A, C and D school buses shall be responsible for providing chassis service training as needed. These seminars are to be conducted free of charge at district garage locations. This training shall include, at a minimum, one-day training seminars on overall features, tune-up, diagnosis and preventive maintenance of diesel engines or other major chassis components offered through this bid (at the discretion of the STMS). At least one seminar on each given diesel engine model or other major component shall be conducted per four school districts purchasing a bus or buses equipped with that engine or componentry. Additionally, the bidder will be responsible for providing eight days of training in conjunction with the Florida Summer Technicians Training seminar. Training to be supplied by the bidder shall include provisions for supplying and transporting to each location a live training engine and/or other components, training aids and student handouts pertinent to the instruction. The STMS may provide assistance in organizing the training.

C. Air-Conditioning

The successful Type C and D bus bidder shall be responsible for providing or arranging air-conditioning training as needed. The training seminars are to be conducted free of charge at district garage locations. This training shall include, at a minimum, one-day training seminars on overall features, operation, preventive maintenance, diagnosis and repair of optional air-conditioning systems offered through the bid. At least one seminar on each given air-conditioning manufacturer's system shall be conducted per five school districts purchasing a bus or buses equipped with that optional air-conditioning system. The Contractor shall also be responsible for providing eight days of training in conjunction with the Florida Summer Technicians Training seminar.

D. Service Manuals

The successful Type C and D bus bidder is responsible for providing each school district purchasing one or more units prior to or concurrent with delivery of buses one service manual per shop location, giving complete coverage of models purchased, including chassis and bodies. The service manuals shall contain all instructions, pictures and line drawings necessary for the maintenance, repair and rebuilding of all chassis, power train, antilock, air or hydraulic brake system components and body components. Chassis manuals shall include complete coverage of the engine, including all rebuild and service procedures. The service manuals shall contain all instructions, pictures and line drawings necessary for the maintenance, repair and rebuilding of all body components. This requirement may be fulfilled via use of a portable electronic storage medium or online access to an Internet site with the required information.

E. Parts Manuals

The Contractor is responsible for providing each school district purchasing one or more units prior to or concurrent with delivery of buses one parts catalog per shop location, giving complete coverage of models purchased, including chassis and bodies. Parts manuals shall include component part numbers and illustrations that clearly allow easy identification of component and sub-component parts. This requirement may be fulfilled via use of a portable electronic storage medium or online access to an Internet site with the required information.

Delivery of service and parts manuals, or electronic access thereto, shall be confirmed to the STMS no later than five business days after delivery of the buses. Failure to provide the manuals, electronic files or Internet access within five business days of delivery of buses may be considered when determining the bidder's fitness for the next bid. Internet access to a manual or at least one representative set of manuals or compact disks shall also be provided to the STMS.

7.23 SERVICE REQUIREMENTS

When inadequate dealer support, lack of parts availability or other factors result in downtime of bus(es) due to chassis, body or component problems subject to coverage under the warranties required via this bid, the Florida Department of Education, STMS, shall reserve the right to determine when downtime has become excessive. Downtime (for each given service problem) of five business days or fewer (consecutive or otherwise) shall not be deemed excessive for the purpose of these provisions. In instances when the STMS has determined that downtime is excessive, the STMS shall reserve the right to require on-site or other distributor or factory-level service representation and assistance as needed to resolve the problem. Items delivered not conforming to specifications may be rejected and returned at vendor's expense. These items and items not delivered as per delivery dates specified in the bid may result in bidder being found in default, in which event any and all repurchase costs may be charged against the defaulting contractor. Any violation of these stipulations may also result in the cancellation of this contract in whole or in part with 30 days' prior notice in writing and supplier's name being removed from the state purchasing vendor mailing list.

7.24 MANUFACTURER'S CERTIFICATE OF ORIGIN

Florida law requires a second-stage manufacturer's certificate of origin (MCO) if a chassis is built by one manufacturer, then delivered to another manufacturer for the purpose of manufacturing a complete vehicle. The Contractor is responsible for providing this second-stage MCO for all Type A and C units if chassis for these units are built by a different first-stage manufacturer. Additionally, the Contractor is also responsible for providing a second-stage MCO for Type D units if the chassis and body are produced by different manufacturers. The Contractor of Type C and D units built by the same manufacturer as a complete unit (chassis and body) shall supply a single MCO.

7.25 ALTERNATIVE FUEL ENGINE OPTION

Bidders who are able to provide a compressed natural gas (CNG), liquid propane (LP), electric or plug-in hybrid electric vehicle, fuel cell or diesel/electric hybrid-powered school bus should include pricing on the optional alternative engine pricing sheet. The price should reflect ALL additional costs associated with this option. Please include or attach a summary explanation of modifications, if any, that would be required for the alternative fuel engine option.

7.26 DISCLOSURE OF ACCIDENT(S) OR MECHANICAL BREAKDOWN

If a school bus is involved in an accident or if it has experienced mechanical breakdown prior to delivery, bidders are required to disclose such information to the purchasing school district or FSDB upon delivery.

SECTION 8 – SUBMITTALS AND EVALUATION

8.0 PRELIMINARY SUBMITTAL REVIEW

The absence of any of these documents may result in a bid response being deemed non-responsive and not evaluated. The bid forms furnished should be used when submitting your response. Forms should be filled out in ink or typewritten, SIGNED AND DATED with no alterations or amendments made, and enclosed with a signed cover letter. **Submittal information should consist of the following:**

The bidder should submit **one original, one hard copy of the original and one electronic copy** of the entire bid response. Since the department will expect all bids to be in this format, failure of a bidder to follow this requirement may result in the rejection of a bid.

Section 1

- Transmittal Letter (completed on company letterhead)

Section 2

- Attachment 1 - Vendor's Bid Pricing Sheets for base buses and options, each page signed or initialed
- Attachment 2 - Disclosure Statement
- Attachment 3 - Drug-Free Workplace Form
- Attachment 4 - Minority Certificate
- Attachment 5 - Scrutinized Companies Lists
- Attachment 7 - Bidder Representation
- Attachment 8 - Purchase Order Preference/Customer Contact Preference Form
- Attachment 9 - File Structure for Required Status Report
- Attachment 12 - Letter representing that buses will meet all applicable Federal Motor Vehicle Safety Standards and representing the adequacy of Gross Axle Weight Ratings (GAWRs)
- Attachment 13 - Letter representing the power lift installation will be in compliance with Florida's specifications
- Attachment 14 - Estimated delivery dates for Type A, C and D chassis delivery (supplied by chassis manufacturer)
- Attachment 15 - Letter acknowledging liquidated damages, as specified in section 6.2
- Attachment 16 - Letter specifying the seat covering material manufacturer and model number
- Attachment 17 - Letter stating that all Type C and D buses will meet chassis performance specifications
- Attachment 18 - PDI program outline as specified in section 7.9

8.1 POSTING OF BID TABULATION

The bid tabulation will be posted at the Department's Bureau of Contracts, Grants and Procurement Management Services, 332 Turlington Building, 325 West Gaines Street, Tallahassee, Florida, and on the VBS as specified in **Section 3.3 - Schedule of Events**, and will remain posted for a period of 72 hours.

8.2 PROTEST OF BID TABULATION OR PROCUREMENT TERMS

Any bidder who is adversely affected by the department's recommended award or intended decision must file a written "Intent to Protest" with the department at the address of posting. See **Section 4.4 - Procurement Protests/Notice of Rights** for protest information.

8.3 INABILITY TO POST

If the department is unable to post as outlined above, the department will notify all bidders by posting a notice on the VBS. The department will provide written notification via the VBS of any future posting in a timely manner.

8.4 AWARD OF THE CONTRACT

Services will be authorized to begin when the contractor receives a fully executed contract from the department's contract administrator and the department receives the performance bond from the contractor.

8.5 SUBMISSION OF ALTERNATE RESPONSES

A company, its subsidiaries, affiliates and related entities should submit only one response. Submission of more than one response may cause the rejection of all responses submitted. In the alternative, the department may decide, in its sole discretion, which response to evaluate and consider. A company may not propose to serve as the prime contractor in one response and as a subcontractor in a different response.

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TYPE A SCHOOL BUSES

LEGEND:		STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE A: 18 Capacity	TYPE A: 18 Capacity with Lift	TYPE A: 27 Capacity	TYPE A: 27 Capacity with Lift	TYPE A: 29 Capacity	TYPE A: 29 Capacity with Lift
[STD] = STANDARD EQUIPMENT		Standard Engine: Manuf, Model, HP, Torque							
N/A = NOT APPLICABLE		Standard Transmission: Manuf, Model, # of fwd ranges							
N/C= NO CHARGE		Standard Tire: Manuf, Model, Size, Load Range							
N/B= NO BID		Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A		N/A		N/A	
		Standard Wheelchair Tie Down: Manuf, Model		N/A		N/A		N/A	
		Base School Bus Price \$\$							
		Base MFSAB Price \$\$							
OPTIONAL CHASSIS EQUIPMENT PRICES									
[C1A] Front Tow Hooks									
[C1B] Rear Tow Hooks									
[C2] Spare Disc Wheel									
[C3] Auto Trans Warranty (5 yr unlimited)									
[C4] 75-100 Gallon Fuel Tank*									
[C5] Low-Profile Radial Tires**									
[C7] Type D Front Air Ride Suspension									
[C6] 270 Amp L/N 4864 Alternator									
[C8] Adjustable Pedals									
[C9] 3000-PTS Transmission									
[C10] Air Ride Rear Suspension									
[C11] FUTURE USE									
[C12] Straight Floor									
[C13] Auto Headlamp System									
[C14] Air Disc Brakes									
OPTIONAL BODY EQUIPMENT PRICES									
[B1] Pro Lo Hatch									
[B2] FUTURE USE									
[B3] Vandal Box w/Key									
[B4] 76" High Headroom (minimum)				[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA									
[B5B] PA with Radio									
[B5C] Stereo Radio (no PA)									
[B6] Locking Door at Fuel Tank									
[B7A] CE White Integrated Child Restraint Seat									
[B7B] IMMI Child Safety Seat									
[B7C] Syntech Integrated Child Restraint Seat									
[B7D] BTI Integrated Child Restraint Seat									
[B8] Exterior Body Light Monitor									
[B9] FUTURE USE									
[B10] FUTURE USE									
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***									
[B12] Full Perf. Ceiling Panel									
[B13] Bus Lockup System									
[B14] Wire Pupil Crossing Arm									
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)				[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label									
[B17] Red Light Emergency Door									
[B18] Underseat Rear Heater									
[B19] Tailpipe through Bumper									
[B20] Powder-Coated Windows									
[B21] Driver's Seat with Integrated Seat Belt									
[B22] Delete W/C - Add Seat (Lift Bus Only)		(Lift Bus Only)		N/A		N/A		N/A	
[B23] Delete Seat - Add W/C (Lift Bus Only)		(Lift Bus Only)		N/A		N/A		N/A	
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)		(Lift Bus Only)		N/A		N/A		N/A	
[B25] Track Seating (Lift Bus Only)		(Lift Bus Only)		N/A		N/A		N/A	
[B26] Standard Track-seating Seat (Lift Bus Only)		(Lift Bus Only)		N/A		N/A		N/A	
[B27] Driver's Seat with Integrated Seat Belt									
[B28] FUTURE USE									
Optional Tire									
(OPT1) Tire	Tire Manuf, Model, Size, Load range								
(OPT2) Tire	Tire Manuf, Model, Size, Load range								
(OPT3) Tire	Tire Manuf, Model, Size, Load range								
(OPT4) Tire	Tire Manuf, Model, Size, Load range								
(OPT5) Tire	Tire Manuf, Model, Size, Load range								
OPTIONAL WHEELCHAIR LIFT #1									
(Opt 1) Lift	Manuf, Model,# Capacity, Platform width								
(Opt 2) Lift	Manuf, Model,# Capacity, Platform width								
(Opt 3) Lift	Manuf, Model,# Capacity, Platform width								
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)									
(OPT1)WTORS	Manuf, Model								
(OPT2)WTORS	Manuf, Model								
(OPT3)WTORS	Manuf, Model								
(OPT4)WTORS	Manuf, Model								
[AC-1] OPTIONAL AIR-CONDITIONING									
AC-1	Manuf, Model, IMACA BTU, AMPS								
AC-2	Manuf, Model, IMACA BTU, AMPS								
AC-3	Manuf, Model, IMACA BTU, AMPS								
AC-4	Manuf, Model, IMACA BTU, AMPS								
AC-5	Manuf, Model, IMACA BTU, AMPS								
AC-6	Manuf, Model, IMACA BTU, AMPS								
AC-7	Manuf, Model, IMACA BTU, AMPS								
AC-8	Manuf, Model, IMACA BTU, AMPS								
AC-9	Manuf, Model, IMACA BTU, AMPS								
AC-10	Manuf, Model, IMACA BTU, AMPS								
AC-11	Manuf, Model, IMACA BTU, AMPS								
AC-12	Manuf, Model, IMACA BTU, AMPS								
AC-13	Manuf, Model, IMACA BTU, AMPS								
AC-14	Manuf, Model, IMACA BTU, AMPS								
AC-15	Manuf, Model, IMACA BTU, AMPS								
AC-16	Manuf, Model, IMACA BTU, AMPS								
AC-17	Manuf, Model, IMACA BTU, AMPS								
AC-18	Manuf, Model, IMACA BTU, AMPS								
AC-19	Manuf, Model, IMACA BTU, AMPS								
AC-20	Manuf, Model, IMACA BTU, AMPS								
ADDITIONAL AIR-CONDITIONER OPTIONS									
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								
Manuf	Description								

TYPE C SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque													
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges													
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range													
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A		N/A		N/A		N/A		N/A		N/A	
	Standard Wheelchair Tie Down: Manuf, Model		N/A		N/A		N/A		N/A		N/A		N/A	
	Base School Bus Price\$\$													
OPTIONAL CHASSIS EQUIPMENT PRICES														
[C1A] Front Tow Hooks														
[C1B] Rear Tow Hooks														
[C2] Spare Disc Wheel														
[C3] Auto Trans Warranty (5 yr unlimited)														
[C4] 75-100 Gallon Fuel Tank*														
[C5] Low-Profile Radial Tires**														
[C7] Type D Front Air Ride Suspension														
[C6] 270 Amp L/N 4864 Alternator														
[C8] Adjustable Pedals														
[C9] 3000-PTS Transmission														
[C10] Air Ride Rear Suspension														
[C11] FUTURE USE														
[C12] Straight Floor														
[C13] Auto Headlamp System														
[C14] Air Disc Brakes														
OPTIONAL BODY EQUIPMENT PRICES														
[B1] Pro Lo Hatch														
[B2] FUTURE USE														
[B3] Vandal Box w/Key														
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA														
[B5B] PA with Radio														
[B5C] Stereo Radio (no PA)														
[B6] Locking Door at Fuel Tank														
[B7A] CE White Integrated Child Restraint Seat														
[B7B] IMMI Child Safety Seat														
[B7C] Syntech Integrated Child Restraint Seat														
[B7D] BTI Integrated Child Restraint Seat														
[B8] Exterior Body Light Monitor														
[B9] FUTURE USE														
[B10] FUTURE USE														
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***														
[B12] Full Perf. Ceiling Panel														
[B13] Bus Lockup System														
[B14] Wire Pupil Crossing Arm														
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label														
[B17] Red Light Emergency Door														
[B18] Underseat Rear Heater														
[B19] Tailpipe through Bumper														
[B20] Powder-Coated Windows														
[B21] Driver's Seat with Integrated Seat Belt														
[B22] Delete W/C - Add Seat (Lift Bus Only)		(Lift Bus Only)	N/A		N/A		N/A		N/A		N/A		N/A	
[B23] Delete Seat - Add W/C (Lift Bus Only)		(Lift Bus Only)	N/A		N/A		N/A		N/A		N/A		N/A	
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)		(Lift Bus Only)	N/A		N/A		N/A		N/A		N/A		N/A	
[B25] Track Seating (Lift Bus Only)		(Lift Bus Only)	N/A		N/A		N/A		N/A		N/A		N/A	
[B26] Standard Track-seating Seat (Lift Bus Only)		(Lift Bus Only)	N/A		N/A		N/A		N/A		N/A		N/A	
[B27] Driver's Seat with Integrated Seat Belt														
[B28] FUTURE USE														

TYPE C SCHOOL BUSES

		COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
Optional Tire														
(OPT1) Tire	Tire Manuf, Model, Size, Load range		N/A											
(OPT2) Tire	Tire Manuf, Model, Size, Load range													
(OPT3) Tire	Tire Manuf, Model, Size, Load range													
(OPT4) Tire	Tire Manuf, Model, Size, Load range													
(OPT5) Tire	Tire Manuf, Model, Size, Load range													
OPTIONAL WHEELCHAIR LIFT #1														
(Opt 1) Lift	Manuf, Model,# Capacity, Platform width													
(Opt 2) Lift	Manuf, Model,# Capacity, Platform width													
(Opt 3) Lift	Manuf, Model,# Capacity, Platform width													
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)														
(OPT1)WTORS	Manuf, Model													
(OPT2)WTORS	Manuf, Model													
(OPT3)WTORS	Manuf, Model													
(OPT4)WTORS	Manuf, Model													
[AC-1] OPTIONAL AIR-CONDITIONING														
AC-1	Manuf, Model, IMACA BTU, AMPS													
AC-2	Manuf, Model, IMACA BTU, AMPS													
AC-3	Manuf, Model, IMACA BTU, AMPS													
AC-4	Manuf, Model, IMACA BTU, AMPS													
AC-5	Manuf, Model, IMACA BTU, AMPS													
AC-6	Manuf, Model, IMACA BTU, AMPS													
AC-7	Manuf, Model, IMACA BTU, AMPS													
AC-8	Manuf, Model, IMACA BTU, AMPS													
AC-9	Manuf, Model, IMACA BTU, AMPS													
AC-10	Manuf, Model, IMACA BTU, AMPS													
AC-11	Manuf, Model, IMACA BTU, AMPS													
AC-12	Manuf, Model, IMACA BTU, AMPS													
AC-13	Manuf, Model, IMACA BTU, AMPS													
AC-14	Manuf, Model, IMACA BTU, AMPS													
AC-15	Manuf, Model, IMACA BTU, AMPS													
AC-16	Manuf, Model, IMACA BTU, AMPS													
AC-17	Manuf, Model, IMACA BTU, AMPS													
AC-18	Manuf, Model, IMACA BTU, AMPS													
AC-19	Manuf, Model, IMACA BTU, AMPS													
AC-20	Manuf, Model, IMACA BTU, AMPS													
ADDITIONAL AIR-CONDITIONER OPTIONS														
Manuf	Description													
Manuf	Description													
Manuf	Description													
Manuf	Description													
Manuf	Description													
Manuf	Description													
Manuf	Description													
Manuf	Description													
OPTIONAL ENGINES														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														
Manuf, Model, HP, Torque, fuel type														

TYPE C SCHOOL BUSES

		COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
ADDITIONAL SEATING OPTIONS														
Integrated Child Seats														
Barriers and KO Windows														
3 Point Belt Seats														
Alternative Seating Lap Belts Only														

TYPE D [FE] SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE D FRONT ENGINE (FE): 71 Capacity	TYPE D FRONT ENGINE (FE): 71 Capacity with Lift	TYPE D FRONT ENGINE (FE): 77 Capacity	TYPE D FRONT ENGINE (FE): 77 Capacity with Lift	TYPE D FRONT ENGINE (FE): 83 Capacity	TYPE D FRONT ENGINE (FE): 83 Capacity with Lift	TYPE D FRONT ENGINE (FE): 89 Capacity	TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque									
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges									
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range									
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A		N/A		N/A		N/A	
	Standard Wheelchair Tie Down: Manuf, Model		N/A		N/A		N/A		N/A	
	Base School Bus Price\$\$									
OPTIONAL CHASSIS EQUIPMENT PRICES										
[C1A] Front Tow Hooks										
[C1B] Rear Tow Hooks										
[C2] Spare Disc Wheel										
[C3] Auto Trans Warranty (5 yr unlimited)										
[C4] 75-100 Gallon Fuel Tank*										
[C5] Low-Profile Radial Tires**										
[C7] Type D Front Air Ride Suspension										
[C6] 270 Amp L/N 4864 Alternator										
[C8] Adjustable Pedals										
[C9] 3000-PTS Transmission										
[C10] Air Ride Rear Suspension										
[C11] FUTURE USE										
[C12] Straight Floor										
[C13] Auto Headlamp System										
[C14] Air Disc Brakes										
OPTIONAL BODY EQUIPMENT PRICES										
[B1] Pro Lo Hatch										
[B2] FUTURE USE										
[B3] Vandal Box w/Key										
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA										
[B5B] PA with Radio										
[B5C] Stereo Radio (no PA)										
[B6] Locking Door at Fuel Tank										
[B7A] CE White Integrated Child Restraint Seat										
[B7B] IMMI Child Safety Seat										
[B7C] Syntech Integrated Child Restraint Seat										
[B7D] BTI Integrated Child Restraint Seat										
[B8] Exterior Body Light Monitor										
[B9] FUTURE USE										
[B10] FUTURE USE										
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***										
[B12] Full Perf. Ceiling Panel										
[B13] Bus Lockup System										
[B14] Wire Pupil Crossing Arm										
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label										
[B17] Red Light Emergency Door										
[B18] Underseat Rear Heater										
[B19] Tailpipe through Bumper										
[B20] Powder-Coated Windows										
[B21] Driver's Seat with Integrated Seat Belt										
[B22] Delete W/C - Add Seat (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B23] Delete Seat - Add W/C (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B25] Track Seating (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B26] Standard Track-seating Seat (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B27] Driver's Seat with Integrated Seat Belt										
[B28] FUTURE USE										

TYPE D [FE] SCHOOL BUSES

		COMMENTS/NOTES	TYPE D FRONT ENGINE (FE): 71 Capacity	TYPE D FRONT ENGINE (FE): 71 Capacity with Lift	TYPE D FRONT ENGINE (FE): 77 Capacity	TYPE D FRONT ENGINE (FE): 77 Capacity with Lift	TYPE D FRONT ENGINE (FE): 83 Capacity	TYPE D FRONT ENGINE (FE): 83 Capacity with Lift	TYPE D FRONT ENGINE (FE): 89 Capacity	TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
Optional Tire										
(OPT1) Tire	Tire Manuf, Model, Size, Load range									
(OPT2) Tire	Tire Manuf, Model, Size, Load range									
(OPT3) Tire	Tire Manuf, Model, Size, Load range									
(OPT4) Tire	Tire Manuf, Model, Size, Load range									
(OPT5) Tire	Tire Manuf, Model, Size, Load range									
OPTIONAL WHEELCHAIR LIFT #1										
(Opt 1) Lift	Manuf, Model,# Capacity, Platform width									
(Opt 2) Lift	Manuf, Model,# Capacity, Platform width									
(Opt 3) Lift	Manuf, Model,# Capacity, Platform width									
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)										
(OPT1)WTORS	Manuf, Model									
(OPT2)WTORS	Manuf, Model									
(OPT3)WTORS	Manuf, Model									
(OPT4)WTORS	Manuf, Model									
[AC-1] OPTIONAL AIR-CONDITIONING										
AC-1	Manuf, Model, IMACA BTU, AMPS									
AC-2	Manuf, Model, IMACA BTU, AMPS									
AC-3	Manuf, Model, IMACA BTU, AMPS									
AC-4	Manuf, Model, IMACA BTU, AMPS									
AC-5	Manuf, Model, IMACA BTU, AMPS									
AC-6	Manuf, Model, IMACA BTU, AMPS									
AC-7	Manuf, Model, IMACA BTU, AMPS									
AC-8	Manuf, Model, IMACA BTU, AMPS									
AC-9	Manuf, Model, IMACA BTU, AMPS									
AC-10	Manuf, Model, IMACA BTU, AMPS									
AC-11	Manuf, Model, IMACA BTU, AMPS									
AC-12	Manuf, Model, IMACA BTU, AMPS									
AC-13	Manuf, Model, IMACA BTU, AMPS									
AC-14	Manuf, Model, IMACA BTU, AMPS									
AC-15	Manuf, Model, IMACA BTU, AMPS									
AC-16	Manuf, Model, IMACA BTU, AMPS									
AC-17	Manuf, Model, IMACA BTU, AMPS									
AC-18	Manuf, Model, IMACA BTU, AMPS									
AC-19	Manuf, Model, IMACA BTU, AMPS									
AC-20	Manuf, Model, IMACA BTU, AMPS									
ADDITIONAL AIR-CONDITIONER OPTIONS										
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
OPTIONAL ENGINES										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										

TYPE D [FE] SCHOOL BUSES

		COMMENTS/NOTES	TYPE D FRONT ENGINE (FE): 71 Capacity	TYPE D FRONT ENGINE (FE): 71 Capacity with Lift	TYPE D FRONT ENGINE (FE): 77 Capacity	TYPE D FRONT ENGINE (FE): 77 Capacity with Lift	TYPE D FRONT ENGINE (FE): 83 Capacity	TYPE D FRONT ENGINE (FE): 83 Capacity with Lift	TYPE D FRONT ENGINE (FE): 89 Capacity	TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
ADDITIONAL SEATING OPTIONS										
Integrated Child Seats										
Barriers and KO Windows										
3 Point Belt Seats										
Alternative Seating Lap Belts Only										

TYPE D [RE] SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque									
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges									
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range									
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A		N/A		N/A		N/A	
	Standard Wheelchair Tie Down: Manuf, Model		N/A		N/A		N/A		N/A	
	Base School Bus Price\$\$									
OPTIONAL CHASSIS EQUIPMENT PRICES										
[C1A] Front Tow Hooks										
[C1B] Rear Tow Hooks										
[C2] Spare Disc Wheel										
[C3] Auto Trans Warranty (5 yr unlimited)										
[C4] 75-100 Gallon Fuel Tank*										
[C5] Low-Profile Radial Tires**										
[C7] Type D Front Air Ride Suspension										
[C6] 270 Amp L/N 4864 Alternator										
[C8] Adjustable Pedals										
[C9] 3000-PTS Transmission										
[C10] Air Ride Rear Suspension										
[C11] FUTURE USE										
[C12] Straight Floor										
[C13] Auto Headlamp System										
[C14] Air Disc Brakes										
OPTIONAL BODY EQUIPMENT PRICES										
[B1] Pro Lo Hatch										
[B2] FUTURE USE										
[B3] Vandal Box w/Key										
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA										
[B5B] PA with Radio										
[B5C] Stereo Radio (no PA)										
[B6] Locking Door at Fuel Tank										
[B7A] CE White Integrated Child Restraint Seat										
[B7B] IMMI Child Safety Seat										
[B7C] Syntech Integrated Child Restraint Seat										
[B7D] BTI Integrated Child Restraint Seat										
[B8] Exterior Body Light Monitor										
[B9] FUTURE USE										
[B10] FUTURE USE										
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***										
[B12] Full Perf. Ceiling Panel										
[B13] Bus Lockup System										
[B14] Wire Pupil Crossing Arm										
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label										
[B17] Red Light Emergency Door										
[B18] Underseat Rear Heater										
[B19] Tailpipe through Bumper										
[B20] Powder-Coated Windows										
[B21] Driver's Seat with Integrated Seat Belt										
[B22] Delete W/C - Add Seat (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B23] Delete Seat - Add W/C (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B25] Track Seating (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B26] Standard Track-seating Seat (Lift Bus Only)	(Lift Bus Only)		N/A		N/A		N/A		N/A	
[B27] Driver's Seat with Integrated Seat Belt										
[B28] FUTURE USE										

TYPE D [RE] SCHOOL BUSES

		COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
Optional Tire										
(OPT1) Tire	Tire Manuf, Model, Size, Load range									
(OPT2) Tire	Tire Manuf, Model, Size, Load range									
(OPT3) Tire	Tire Manuf, Model, Size, Load range									
(OPT4) Tire	Tire Manuf, Model, Size, Load range									
(OPT5) Tire	Tire Manuf, Model, Size, Load range									
OPTIONAL WHEELCHAIR LIFT #1										
(Opt 1) Lift	Manuf, Model,# Capacity, Platform width									
(Opt 2) Lift	Manuf, Model,# Capacity, Platform width									
(Opt 3) Lift	Manuf, Model,# Capacity, Platform width									
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)										
(OPT1)WTORS	Manuf, Model									
(OPT2)WTORS	Manuf, Model									
(OPT3)WTORS	Manuf, Model									
(OPT4)WTORS	Manuf, Model									
[AC-1] OPTIONAL AIR-CONDITIONING										
AC-1	Manuf, Model, IMACA BTU, AMPS									
AC-2	Manuf, Model, IMACA BTU, AMPS									
AC-3	Manuf, Model, IMACA BTU, AMPS									
AC-4	Manuf, Model, IMACA BTU, AMPS									
AC-5	Manuf, Model, IMACA BTU, AMPS									
AC-6	Manuf, Model, IMACA BTU, AMPS									
AC-7	Manuf, Model, IMACA BTU, AMPS									
AC-8	Manuf, Model, IMACA BTU, AMPS									
AC-9	Manuf, Model, IMACA BTU, AMPS									
AC-10	Manuf, Model, IMACA BTU, AMPS									
AC-11	Manuf, Model, IMACA BTU, AMPS									
AC-12	Manuf, Model, IMACA BTU, AMPS									
AC-13	Manuf, Model, IMACA BTU, AMPS									
AC-14	Manuf, Model, IMACA BTU, AMPS									
AC-15	Manuf, Model, IMACA BTU, AMPS									
AC-16	Manuf, Model, IMACA BTU, AMPS									
AC-17	Manuf, Model, IMACA BTU, AMPS									
AC-18	Manuf, Model, IMACA BTU, AMPS									
AC-19	Manuf, Model, IMACA BTU, AMPS									
AC-20	Manuf, Model, IMACA BTU, AMPS									
ADDITIONAL AIR-CONDITIONER OPTIONS										
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
Manuf	Description									
OPTIONAL ENGINES										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										
Manuf, Model, HP, Torque, fuel type										

TYPE D [RE] SCHOOL BUSES

		COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
Allison DOC Software with 1 yr subscription										
Nexiq, Laptop to Vehicle Diag cable										
Fleet EZ Tech laptop										
Pocket Maxx Diagnostic Tool										
ADDITIONAL SEATING OPTIONS										
Integrated Child Seats										
Barriers and KO Windows										
3 Point Belt Seats										
Alternative Seating Lap Belts Only										

DELIVERY PRICES

VENDOR: ABC School Bus Sales, Inc. 12345 Student Lane, Sunnyville, Florida 32555					
DELIVERY		UPCHARGE	FOR	PROPANE	PLEASE ADD \$
DELIVERY		UPCHARGE	FOR	CNG	PLEASE ADD \$
DELIVERY		UPCHARGE	FOR	ELECTRIC	PLEASE ADD \$
DELIVERY		UPCHARGE	FOR	MFSAB	PLEASE ADD \$
DELIVERY		UPCHARGE	FOR	PLEASE ADD \$	
FROM: ADDRESS		12345 Student Lane, Sunnyville, Florida 32555	12345 Student Lane, Sunnyville, Florida 32555	12345 Student Lane, Sunnyville, Florida 32555	12345 Student Lane, Sunnyville, Florida 32555
BUS TYPE		A	C	D	MFSAB?
		DELIVERY \$	DELIVERY \$	DELIVERY \$	DELIVERY \$
REGION 1	COUNTY SEAT	\$	\$	\$	\$
Bay	Panama City				
Calhoun	Blountstown				
Escambia	Pensacola				
Franklin	Apalachicola				
Gulf	Port St. Joe				
Holmes	Bonifay				
Jackson	Marianna				
Liberty	Bristol				
Okaloosa	Crestview				
Santa Rosa	Milton				
Walton	Defuniak Springs				
Washington	Chipley				
REGION 2	COUNTY SEAT	\$	\$	\$	\$
Alachua	Gainesville				
Baker	Macclenny				
Bradford	Starke				
Clay	Green Cove Springs				
Columbia	Lake City				
Dixie	Cross City				
Duval	Jacksonville				
Gadsden	Quincy				
Gilchrist	Trenton				
Hamilton	Jasper				
Jefferson	Monticello				
Lafayette	Mayo				
Leon	Tallahassee				
Levy	Bronson				
Madison	Madison				
Nassau	Fernandina Beach				
Suwannee	Live Oak				
Taylor	Perry				
Union	Lake Butler				
Wakulla	Crawfordville				

NOTE: DELIVERY PRICES ARE BY REGION AND BUSES SHALL BE DELIVERED TO THE COUNTY SEAT OF THE ORDERING DISTRICT.

DELIVERY PRICES

REGION 3	COUNTY SEAT	\$	\$	\$	\$
Citrus	Inverness				
Flagler	Bunnell				
Hernando	Brooksville				
Hillsborough	Tampa				
Lake	Tavares				
Marion	Ocala				
Orange	Orlando				
Pasco	New Port Richey				
Pinellas	Clearwater				
Putnam	Palatka				
St. Johns	St. Augustine				
Seminole	Sanford				
Sumter	Bushnell				
Volusia	DeLand				
REGION 4	COUNTY SEAT	\$	\$	\$	\$
Brevard	Cocoa				
Charlotte	Punta Gorda				
DeSoto	Arcadia				
Glades	Moore Haven				
Hardee	Wauchula				
Hendry	LaBelle				
Highlands	Sebring				
Indian River	Vero Beach				
Lee	Fort Myers				
Manatee	Bradenton				
Martin	Stuart				
Okeechobee	Okeechobee				
Osceola	Kissimmee				
Polk	Bartow				
St. Lucie	Fort Pierce				
Sarasota	Sarasota				
REGION 5	COUNTY SEAT	\$	\$	\$	\$
Broward	Ft. Lauderdale				
Collier	Naples				
Miami-Dade	Miami				
Monroe	Key West				
Palm Beach	W. Palm Beach				

NOTE: DELIVERY PRICES ARE BY REGION AND BUSES SHALL BE DELIVERED TO THE COUNTY SEAT OF THE ORDERING DISTRICT.

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

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Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

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VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

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Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

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Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

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Date and Signature:

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

[illegible]

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature:

BIDDERS NOTES

[illegible]

Date and Signature:

APPENDIX I

[illegible]

Date and Signature:

BIDDERS NOTES

Date and Signature:

VENDOR: _____

[illegible]

Date and Signature:

DISCLOSURE STATEMENT

(Rev. 07/02)

PARTNERSHIP OR INDIVIDUAL*I hereby certify that I, if an individual, or each of us, if a partnership, doing business as*

(Name of Individual or Partnership)

(am)(is) not now involved in, nor have I ever engaged in, any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I, nor any partner, if a partnership, nor anyone acting in my or our behalf has requested that any of the above-designated persons, or any other employee of the Florida Department of Education, exert any influence to secure the appointment of _____ under this proposed agreement.

(Name of Individual or Partnership)

(1) _____
Signature

Signature

Signature

COMPANY OR CORPORATION

I hereby certify that neither I nor any owner, officer, director or shareholder of _____, a
(Name of Corporation (Company))

(Name of State of Inc.) (2) corporation, licensed to do business in Florida, is presently involved in

or has engaged in any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I nor any owner, officer, director or shareholder of this corporation, nor anyone acting on behalf of this corporation or any of its owners, officers, directors or shareholders, has requested that any of the above-designated persons, or any employee of the Florida Department of Education, exert any influence to secure the appointment of _____ under this proposed agreement.

*(Company)**(Corporation)*

(3) _____
Signature

Title

(1) *If partnership, each partner must sign and execute.*

(2) *If company is not incorporated, insert "not incorporated" in this space.*

(3) *If incorporated, this statement is to be executed by same person who will execute contract, if awarded.*

DRUG-FREE WORKPLACE PROGRAM

(will be considered in case of identical tie bids)

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality and service are received by the state or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- 1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- 2) Inform employees about the dangers of drug abuse in the workplace; the business's policy of maintaining a drug-free workplace; any available drug counseling, rehabilitation and employee assistance programs; and the penalties that may be imposed upon employees for drug abuse violations.
- 3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893, F.S., or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five days after such conviction.
- 5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, for any employee who is convicted of a violation of chapter 893, F.S., or of any controlled substance law of the United States or any state.
- 6) Make a good-faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this business complies fully with the above-stated requirements.

Vendor's Signature

STATE OF FLORIDA DEPARTMENT OF EDUCATION MINORITY SUBCONTRACTORS UTILIZATION SUMMARY

The Department's Supplier Diversity Initiative strives to ensure the promise of Florida's future is shared by all of its residents, regardless of race, ethnicity, disability, neighborhood or background. To that end, the Department is dedicated to support, track and increase its small, minority, women and service-disabled veteran business enterprise spending with prime contractors and subcontractors. This form was developed to assist in these efforts.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount of the subcontracts on the form below. The prime contractor shall submit this form with each invoice submitted for payment, whether or not funds have been spent with a small, minority, women or service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Office of Supplier Diversity, Florida Department of Management Services will assist in furnishing names of qualified minorities. The Office of Supplier Diversity can be reached at 850-487-0915 or go to http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd.

PRIME CONTRACTOR: _____

CONTRACT NO.: _____

CONTRACT TITLE: _____

MBE CONTRACTORS Full Name, Address, Telephone Number	State- Certified	Non- Certified	Non- Profit	Dollar Amount

Total Amount \$ _____

Certified True and Correct by:

Prime Contractor

Title

Date

Submit Report to:

Ms. ReGina Register
Bureau of Contracts, Grants & Procurement
Management Services
325 West Gaines Street, Room 344
Tallahassee, Florida 32399-0400

For additional information, you may contact Ms. Register at 850-245-9173 or ReGina.Register@fldoe.org.

**VENDOR CERTIFICATION REGARDING
SCRUTINIZED COMPANIES LISTS**

Respondent Vendor Name: _____

Vendor's Federal Employer Identification Number (FEIN): _____

Vendor's Authorized Representative Name and Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____

Email Address: _____

Section 287.135, F.S., prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to section 215.473, F.S.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that, pursuant to section 287.135, F.S., the submission of a false certification may subject this company to civil penalties, attorney's fees and/or costs.

CERTIFIED BY: _____,

WHO IS AUTHORIZED TO SIGN ON BEHALF OF THE ABOVE-REFERENCED COMPANY?

Authorized Signature (Print Name and Title): _____

**Contract for Type A, Type C and Type D School Buses
and Optional Equipment**

THIS CONTRACT FOR TYPE A, TYPE C AND TYPE D SCHOOL BUSES AND OPTIONAL EQUIPMENT, BID NO: ITB 2020-16, by and between the department, 325 West Gaines, Suite 834, Tallahassee, Florida 32399-0400, and

_____, the contractor, a for-profit corporation registered in Florida, each referred to herein as "Party," and collectively referred to as the "Parties,"

WITNESSETH:

WHEREAS, the Department desires to provide eligible users, defined herein, with various Type A, Type C and Type D School Buses and Optional Equipment (defined herein as "Vehicles"), through the use of a state term contract pursuant to rule 60A-1.001, F.A.C.; and section 1006.27, F.S., and

WHEREAS, the Department solicited responses to an Invitation to Bid No: ITB 2020-16 (ITB) to prospective contractors of said Vehicles; and

WHEREAS, the contractor responded to the ITB and desires to provide said Vehicles; and, unto each other;

NOW THEREFORE, in consideration of the premises, terms and conditions set forth herein, the Parties execute this contract so same becomes binding and enforceable by and through the Parties and their assigns, and agree heretofore:

SCOPE OF WORK

The intent of these specifications is to set forth and convey to prospective bidders the general type, character, performance and quality of the Vehicles desired by the Department and school districts. The contractor is authorized to provide Vehicles to any and all eligible users in the State of Florida. The Parties agree that the laws and rules that apply to this contract shall be for those applicable to contracts in excess of Category Two, or \$35,000, as defined in chapter 287.017, F.S.

Pursuant to Section 7.10 of Bid No: ITB 2020-16, the following documents are hereby incorporated by reference:

- Department contract
- Any addenda to Bid No: ITB 2020-16
- ITB No: 2020-16
- Award Letter
- Contractor's response

IN WITNESS WHEREOF, the Parties hereto have caused this contract For Type A, Type C and Type D School Buses and Optional Equipment, Bid No: ITB 2020-16, to be executed on the dates shown below their respective signatures.

DEPARTMENT

Signature

Print Name:_____

Title:_____

Date:_____

CONTRACTOR

Signature

Print name:_____

Title:_____

Date:_____

TO: Commissioner Richard Corcoran
Florida Department of Education
Tallahassee, Florida 32399-0400

I, the bidder, hereby represent that the specifications of school bus equipment furnished under terms of this bid will comply with the *National School Transportation and Procedures, Revised 2015*, and the *Florida School Bus Specifications, Revised 2019*, as represented by the manufacturer to the Commissioner of the Florida Department of Education, State of Florida.

NOTES:

1. Do not include excise tax in price schedule. A tax exemption certification or number will be furnished by the purchasing agency.
2. All prices must be quoted in **even dollar amounts**.
3. Twenty-nine capacity Type C buses shall be offered with both front-mounted and rear-mounted lift availability.
4. All standard and optional tires bid shall be all-wheel position highway rib radials.

Comments regarding production schedules and remarks (for informational purposes only): _____

Company: _____

By: _____

Address: _____

Telephone: _____

FEIN: _____

Signature: _____

Date: _____

**PURCHASE ORDER
CONTACT PREFERENCE INFORMATION**

Please provide pertinent contact information for your company to be used on all purchase orders for buses purchased pursuant to this bid:

ATTN (Contact Person's Name): _____

Contact Person's Title: _____

Company Name: _____

Street Address: _____

City, State, Zip: _____

Telephone: _____

CUSTOMER CONTACT PREFERENCE INFORMATION

Please indicate the proper contact person for all inquiries related to bus orders:

Contact Person's Name: _____

Contact Person's Title: _____

Company Name: _____

Street Address: _____

City, State, Zip: _____

Telephone: _____

Fax: _____

Email address: _____

FILE STRUCTURE FOR REQUIRED STATUS REPORT

ITEM #	FIELD TYPE	FIELD NAME	FIELD DESCRIPTION
1	TEXT	BUYER	PURCHASING ENTITY
2	DATE	PODATE	DATE PO RECEIVED (MM/DD/YY)
3	TEXT	DELIVERY	TYPE OF DELIVERY (P) = Pickup (D) = Delivered
4	TEXT	BUS NUMBER	LOCAL SCHOOL BUS NUMBER
5	TEXT	BUS TYPE	BUS TYPE (A, C OR D)
6	TEXT	VIN #	VEHICLE IDENTIFICATION NUMBER
7	TEXT	FUELTYPE	TYPE OF FUEL (D) = Diesel (P) = Propane (C) = Compressed Natural Gas (CNG) (G) = Gasoline (E) = Electric
8	NUMBER	SHELLCAP	BODY SHELL SIZE
9	NUMBER	SEATING CAP	REGULAR SEATING POSITIONS
10	NUMBER	W/CCAP	WHEELCHAIR POSITIONS
11	TEXT	A/C	BODY A/C EQUIPPED (Y OR N)
12	TEXT	LIFT	BODY LIFT EQUIPPED (Y OR N)
13	TEXT	ACMAN	AC MANUFACTURER
14	TEXT	ACMOD	AC MODEL
15	TEXT	LIFTMAN	LIFT MANUFACTURER
16	TEXT	LIFTMOD	LIFT MODEL
17	TEXT	LIFT SERIAL	LIFT SERIAL NUMBER
18	TEXT	CHASMAN	CHASSIS MANUFACTURER
19	TEXT	CHASMOD	CHASSIS MODEL
20	DATE	BLD_DATE	BUILD DATE (MM/DD/YY)
21	TEXT	BODMODEL	BODY MODEL OR SIZE
22	TEXT	BOD SERIAL	BODY SERIAL NUMBER
23	TEXT	ENGMOD	ENGINE MODEL
24	TEXT	ENGINE SERIAL	ENGINE SERIAL NUMBER
25	TEXT	TRANSMOD	TRANSMISSION MODEL
26	TEXT	TRANS #	TRANSMISSION SERIAL NUMBER
27	TEXT	EXT WARRANTY	EXTENDED TRANSMISSION WARRANTY (Y/N)
28	TEXT	STAT	PRODUCTION STATUS
29	DATE	ESTDATE	ESTIMATED COMPLETION DATE
30	TEXT	FINDATE	UNIT DELIVERY OR PICKUP DATE (MM/DD/YY)

NOTE: File shall be a Microsoft Excel spreadsheet.

Pre-delivery Inspection Form (2020)

Attachment 10

District: _____ Local Bus #: _____ Date Rec'd.: _____ Shop Location: _____

Bus Type: [A] [B] [C] [D-Front Engine] [D-Rear Engine] Shell Seating Capacity: _____ Equipped Seating Capacity: _____

Wheelchair Capacity: _____ Chassis Mfr.: _____ Chassis Model: _____ Chassis Build Date: _____

Chassis VIN: _____ Eng. Model: _____ Eng. S/N: _____

Trans. Model: _____ Trans. S/N: _____ Fuel Type: _____

Body Mfr.: _____ Body Model: _____ Body S/N: _____

In-service-date: _____ Lift: Yes / No Lift Mfr.: _____ Lift Model: _____ Lift S/N: _____

In-service-mileage: _____ A/C: Yes / No A/C Mfr.: _____ Evap. S/N: _____ Comp. S/N: _____

STATUS CODES: √ = OK X = Malfunction (but Meets Specs) O = Does Not Meet Specs N/A = Not Applicable			
Status Code	INSPECTION ITEMS	COMMENTS (Note Specific Deficiencies)	Tech. Initials
A. INSIDE BUS			
	1. Emergency Equipment - Fire Ext. (pressure/tag/mount), First Aid Kit, Body Fluid Cleanup Kit and Reflectors		
	2. Registration and Insurance Card		
	3. Neutral Safety Switch, Shifter and Noise Abatement Switch		
	4. Engine Controls - Key Switch, Accelerator and Engine Shutdown		
	5. Gauges, Indicators, Dash and Switch Panel Lights, Engine Warning Lights/ Buzzers and ABS Warning Light		
	6. Air Brake System - Gauge(s), Build-Up, Governor, Park Brake, Adjustment, Air Leaks, Low Air Warning, PP-1 Pop-Off and Pedal		
	7. Hydraulic Brakes - Warning Light, Gauge, Pedal Travel and Fade, Power Assist and Park Brake		
	8. Windshield Wipers and Washers - Operation, Park and Blades		
	9. Heaters, Defrosters, Auxiliary Dash or Header Fan(s)		
	10. Dome and Step Well Lights		
	11. Service Door - Operation, Control and Overhead Pad		
	12. Horns		
	13. Mirror Adjustment and Condition - Rear vision, Cross-view, Side-view and Interior		
	14. Driver's Seat and Seat Belt		
	15. Passenger Seats - Frames, Mounting, Pads, Cuts, Bottoms, Modesty Panels, Stanchions, Passenger Securement Devices and Webbing Cutter		
	16. Emergency Doors, Windows, Hatches and Passenger Check System Operation, Buzzers, Labeling and Overhead Pad		
	17. Windshield, Side and Rear Windows - Cracks, Fogging, Latches and Visor		
	18. Wheelchair Lift, Door and Securement System - (if equipped)		
	19. Two-Way Radio Operation - (if equipped)		
	20. Interior Wiring, Cab Hoses and Fire Wall Seals		
	21. General Condition of Bus Interior - Floor, Step well, Grab Rail(s), Paneling, Broom Mounting, Loose Objects Secured and Engine Cover		



Note: This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171, F.A.C.

B. OUTSIDE BUS			
	1. Headlights, Turn Signals, Hazard, Brake, Tail, Backup Lights, Backup Alarm and Park Lights		
	2. Clearance, Side Marker, ID Lights, Reflectors and Strobe Light		
	3. Pupil Warning Lights		
	4. Stop Arm(s) and Student Crossing Arm - Wiring, Air or Vacuum Leak and Decal		
	5. General Condition of Bus Exterior - Mirrors, Bumpers, Body Damage, Paint, Reflective Marking, Lettering, Emergency Door, Engine Hood and Cleanliness		

C. ENGINE COMPARTMENT			
	1. Steering - Play, Column, Steering Gear Box Mounting, Pitman Arm, Drag Link, Steering Arm, Tie Rod & Ends and Idler Arm		
	2. Batteries - Hold Down, Terminals, Cables, Cleanliness, Slide Tray and Load Test. Check battery voltage after 15 seconds load at ½ CCA. Bat1 _____ Bat2 _____ Bat 3 _____		
	3. Fluid Levels and Condition - Brake, Power Steering, Oil, Transmission, Windshield Washer, Coolant (Antifreeze _____ °F) and DEF		
	4. Belts and All Hoses - Tightness, Condition, Routing and Belt Alignment		
	5. Accessory Mounting and Condition – Power Steering Pump, Air Compressor and Filter, Water Pump, Fan, Alternator and Air Cleaner (Restriction) _____ (H ₂ O)		
	6. Wiring - Routing and Condition		
	7. Fuel System and Lines		
	8. Radiator - Mounting, Cap, Reservoir and Fan Shroud		

[illegible]

Note: This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171, F.A.C.

Status Code	INSPECTION ITEMS			COMMENTS (Note Specific Deficiencies)			Tech. Initials
D. UNDERNEATH BUS							
	1. Front Suspension - I-Beam, U-Bolts, Springs, Spring Mounts, Shackles, Pins and Bushings, Shocks, Kingpins, Wheel Bearings, Seals, A-Frames, Bushings and Ball Joints						
	2. Front Brakes - Hoses, Lines, Chambers, Slack Adjusters, Push rods, Linings, Drums, Rotors and Wheel Cylinders or Calipers. Check and Adjust MSA-Equipped Brakes. Do Not Adjust ASA-Equipped Brakes. Disc Brakes						
	3. Engine Mounts, Transmission Mounts and Starter Mounting						
	4. Transmission - Bolts, Linkage, Lines, Filter and Cooler						
	5. Fluid Leaks - Oil, Coolant, Transmission, Power Steering and DEF						
	6. Fuel and DEF Tank - Leaks, Mounting, Hoses and Wiring						
	7. Brake Equipment – ABS, Lines, Valves, Reservoir Mounting and Bleed Reservoirs						
	8. Driveline - Shafts, U-Joints, Yokes, Hanger Bearings, Guards Driveshaft and Park brake						
	9. Rear Suspension - Axle Housing, Vent, Differential, Springs, U-Bolts, Shocks, Spring Shackles, Pins and Bushings, Hangers, Seals and Wheel Bearings						
	10. Rear Brakes - Hoses, Lines, Chambers, Slack Adjusters, Push rods, Linings, Drums, Rotors and Wheel Cylinders or Calipers. Check and Adjust MSA-Equipped Brakes. Do Not Adjust ASA-Equipped Brakes. Disc Brakes						
	11. Body Securement and Structure - Hold Downs, Floor, Outriggers, Braces, Skirts, Mud Flaps and Chassis Frame Rails						
	12. Exhaust System - Leaks, Mounting, Muffler, Tailpipe and DEF, DPF System						
	13. Wheels and Tires - Tread Depth, Pressure, Damage, Matching, Alignment and Wheel Hardware						
TIRES		LF	RF	RRO	RRI	LRO	LRI
Tread Depth		/32	/32	/32	/32	/32	/32
Air Pressure		PSI	PSI	PSI	PSI	PSI	PSI
Lug Nut Torque		Ft lbs.	Ft lbs.	Ft lbs.		Ft lbs.	
Tire Serial Number							
Lug Nut Torque Verified							
							

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E. FILTERS / COOLANT CONDITION / STARTING & CHARGING / AIR CONDITIONING PERFORMANCE			
	1. Check Oil Filter(s)		
	2. Check Fuel Filter(s) Primary/Secondary and Separator		
	3. Check Transmission Filter(s)		
	4. Check Air Compressor Filter (if applicable)		
	5. Check Power Steering Filter		
	6. Check Engine Air Cleaner assembly and Filter		
	7. Check Coolant Filter and record DCA level _____		
	8. Test Starting and Charging System. Amps _____ Volts _____		
	10. Air Conditioning Filters		
F. ROAD TEST			
	1. Brake Performance - Park Brake, Stopping Distance and Equalization		
	2. Engine, Transmission and Driveline - Engine Performance, Governor and Shifting		
	3. Steering and Handling -Free Play, Power Assist, Column, Tracking and Turning Radius		
G. ITEM SPECIFICATIONS			
	1. Body Data Plate		
	2. Body Structure		
	3. A/C Equipment		
	4. Wheel Chair Lift Equipment		
	5. Wheel Chair Tie-Down and Securement System		
	6. Driver's Document Compartment		
	7. Publications		
	8. Engine Equipment		
	9. Engine Performance		
	10. Ventilation		
	11. Square and Level - (RF _____) (LF _____) (RR _____) (LR _____)		
H. OPTIONAL EQUIPMENT			
	1. Type A Chassis Options		
	2. Type B, C and D Chassis Options		
	3. Type A, B, C and D Body Exceptions and Options		

Body Inspector's Signature: _____ Certification Number: _____ Date: _____

Chassis Inspector's Signature: _____ Certification Number: _____ Date: _____

Note: This Pre-delivery Inspection form will not serve as a Florida School Bus Safety Inspection Form 2017-IF. A completed 2017-IF must be on file to place a new bus into service pursuant to rule 6A-3.0171, F.A.C.

ATTACHMENT 12

FMVSS and GAWR attestation of compliance letter

ATTACHMENT 13

Power Lift attestation of compliance letter

ATTACHMENT 14

Chassis Delivery Dates Letter

ATTACHMENT 15

Liquidated Damages Acknowledgement Letter

Seat Covering Specifications Letter

ATTACHMENT 16

Type C and Type D Chassis Performance Letter

ATTACHMENT 17

Pre-Delivery Program Outline

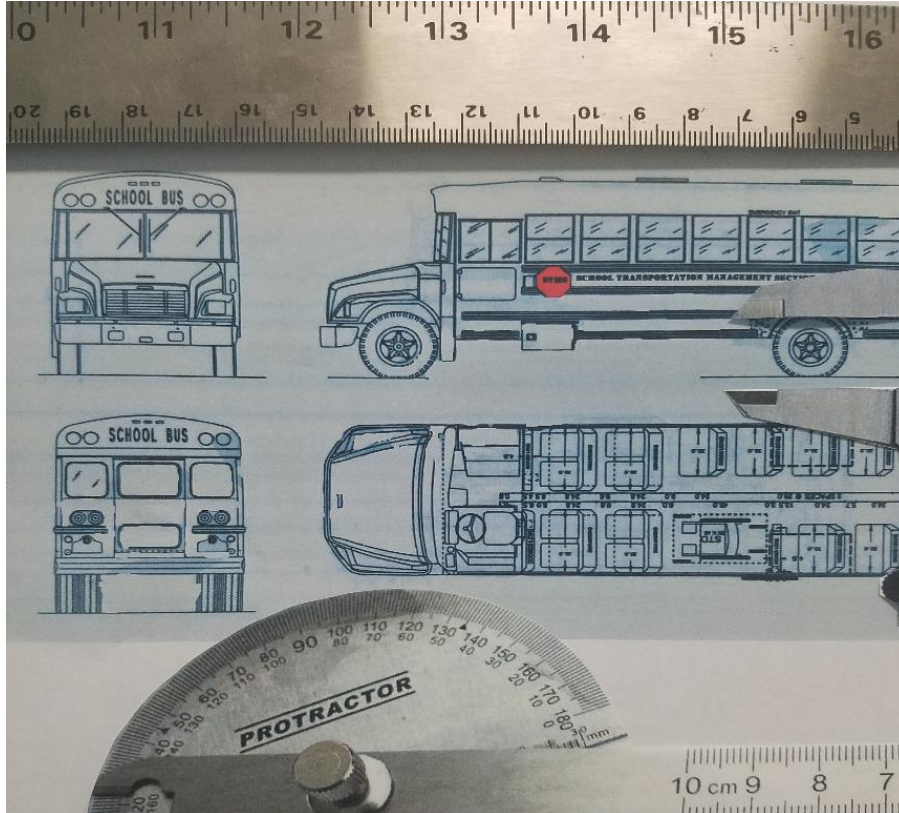
ATTACHMENT 18

ATTACHMENT 19

Bid Addenda (if any)

FLORIDA SCHOOL BUS SPECIFICATIONS

Effective January 2020



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FOREWORD

Florida School Bus Specifications are adopted as authorized under section 1006.25, Florida Statutes (F.S.), and rule 6A-3.003, Florida Administrative Code (F.A.C.). This effective date of this edition of the Florida School Bus Specifications is January 1, 2020.

GENERAL INFORMATION AND WARRANTY PROVISIONS

All public school buses (bodies and chassis) owned, operated, rented, leased and contracted for by any public school board or charter school in Florida, used to transport children to and from school or school-related events, and purchased after the effective date of this document, as specified in rule 6A-3.003, F.A.C., must:

1. Meet or exceed the minimum requirements of these specifications;
2. Meet all applicable Federal Motor Vehicle Safety Standards (FMVSS); and
3. Meet or exceed the 2015 National School Transportation Specifications and Procedures (also referred to herein as the 2015 National Specifications), except when in conflict with the requirements herein. In such cases, the requirements specified in this document shall prevail.

The requirements specified herein are the **minimum** requirements for school buses in Florida. The date used to determine the applicability of these specifications is defined as the date the vendor receives the purchase order or signs a valid sales contract with the purchaser.

All school bus chassis and body manufacturers must certify to the Commissioner of Education, Florida Department of Education (department), by letter that all school buses offered for sale to or use by the public school systems, including charter schools, in Florida meet or exceed all standards, specifications and requirements specified herein.

Used school buses purchased or operated by a public school board or charter school in Florida must meet or exceed all federal and state requirements for public school buses that were in effect on the date the vehicle was manufactured.

Under the authority of s. 316.615, F.S., certain capacity school buses owned, operated or leased by nonpublic schools in Florida are required to meet the specifications prescribed herein.

DEFINITIONS:

1. **School Bus (State Definition):** Section 1006.25, F.S., defines a “school bus” as “a motor vehicle regularly used for the transportation of prekindergarten disability program and kindergarten through grade 12 students of the public schools to and from school or to and from school activities, and is owned, operated, rented, contracted or leased by any district school board...”
2. **School Bus (Federal Definition):** Title 49 CFR Part 571.3 defines: “school bus” as “a bus that is sold or introduced in interstate commerce for purposes that include carrying students to and from school or related events.”
3. **Multi-Function School Activity Bus (MFSAB):** is defined by Florida school bus specifications as a school bus constructed to FMVSS and Florida school bus specifications to be used for school-related activities. MFSABs may not be used to transport students to and from school or between schools for the purpose of attendance.
4. **MFSAB (Federal Definition):** Title 49 CFR Part 571.3 defines “MFSAB” as a school bus NOT used to transport students to and from home or school bus stops.

SCHOOL BUS TYPES:

1. **Type A:** A school bus that is constructed using a cutaway front-section vehicle with a left side driver’s door. This definition includes two classifications: Type A-1, with a Gross Vehicle Weight Rating (GVWR) of 14,500 pounds or less, and Type A-2, with a GVWR greater than 14,500 pounds and less than or equal to 21,500 pounds.
2. **Type C:** A school bus that is constructed using a chassis with a hood and front fender assembly. The entrance door is behind the front wheels. This type also includes the cutaway truck chassis or truck chassis with cab, with or without a left side door, and with a GVWR greater than 21,500 pounds. Also known as a conventional school bus.
3. **Type D:** A school bus that is constructed using a stripped chassis. The entrance door is ahead of the front wheels. This type bus is also known as a rear engine or front engine transit-style school bus.

MFSAB:

Can be a Type A, C or D school bus as described above, with the following exceptions:

Identification: The bus body shall bear the words “**ACTIVITY BUS**” in a contrasting color at least 8 inches high in the area where “school bus” is normally positioned. Lettering and numbering shall conform to FMVSS and Florida School Bus Specifications and shall meet reflectivity standards. The numbering on this bus may be of a contrasting color. The name of the school system shall be displayed in at least 6-inch letters on both sides of the bus in the beltline area. School or team lettering no larger than 6 inches high and logos no larger than 12 inches high may be placed below the beltline. **NO additional SIGNS OR LOGOS** shall be applied to any area of the bus, including the bumpers and the windows.

Color: The local school board must determine and approve the color of the activity bus. The color scheme may utilize any combination of up to **three** colors. This combination may be in addition to an optional white roof. The color National School Bus Yellow shall not be used as a part of the color scheme. The bus wheels shall **not** be painted black or yellow; however, they may be painted one of the three colors selected for the bus body or may be unpainted aluminum-finished polished wheels.

Seating: Type 2 lap/shoulder seat belts are required for all seating positions, including the driver’s seat.

Lighting and Warning Devices: All activity buses shall meet state and federal standards for home-to-school bus lighting and warning device requirements, with the following exceptions:

1. MFSAB’s shall not be equipped with alternately flashing amber and red student warning signal lamps used for loading and unloading students.
2. MFSABs shall not be equipped with stop arm signals or crossing control arms.

WARRANTIES AND PARTS AVAILABILITY FOR NEW VEHICLES:

All warranties listed herein must apply to all school buses manufactured after the effective date of these specifications and sold through the state school bus bid purchase program. Body and chassis manufacturers' warranty policies must allow revision of warranty start date for each vehicle to the actual in-service date by the school district. Appropriate forms to update chassis warranties must be included in the owner-operator's packet supplied with the chassis and must be conveyed along with the body warranty by the body builder to the district upon delivery of the completed unit. Above requirements must apply to the basic warranties, all component warranties and any extended warranties offered or required. There must be no hours-of-use limitation on any warranty required in these specifications or the associated state bid for school buses.

Manufacturers offering school bus chassis or bodies for sale in the state of Florida must make available replacement parts for said buses for a period of no less than 120 months.

The minimum labor rate for all warranty related repairs must be **\$75.00** per hour.

CHASSIS WARRANTIES:

1. The minimum chassis warranty shall be **12,000 miles or 12 months**.
2. The standard chassis warranty for Florida school bus bids shall be **100,000 miles or 60 months**.
3. Engines (including flywheel, flex plate and harmonic balancer) on types A, C and D chassis must be included with both minimum chassis warranty and standard chassis warranty as described above.
4. Pricing requests will be added to the bid for the following extended engine warranty options:
 - a. pricing for 60 months/150,000 miles;
 - b. pricing for 60 months/200,000 miles; and
 - c. pricing for 60 months/unlimited mileage.
5. Chassis frame rails, cross members, fuel tanks, front axle I-beams and rear axle housings must be warranted for a period of 120 months, from the updated in-service date of the vehicle, 100 percent parts and labor.
6. Paint finish coats to chassis, hood, fenders, and cowl shall be warranted for 60 months/100,000 miles, 100 percent parts and labor, for adhesion, color retention and gloss retention.
7. Color Retention: During the first 36 months from the in-service date, the color coat must not shift colors more than 4 ΔE from the centroid, as specified in School Bus Manufacturers Technical Council (SBMTC) publication SBMTC-008. During the 60-month warranty period, the color coat must not shift color more than 8 ΔE from the centroid, as specified in SBMTC-008.

8. Gloss: During the first 36 months from the in-service date, the gloss reading must not fall below 60 at 60°. During the 60-month warranty period, the gloss reading must not drop below 30 at 60°.
- All measurements must be the average of 12 readings taken at various points on the bus, but no reading must be more than three points under the stated minimum. All readings must be taken after the bus is thoroughly washed to remove road film and dust.

BODY WARRANTIES:

- The minimum body warranty shall be 12 months.
- The standard body warranty for Florida school bus bids shall be for 60 months/100,000 miles, 100 percent parts and labor and shall include, but not be limited to, the following items:
 - The total air conditioner system on any bus so equipped, including parts and labor and excluding air filters used in normal preventive maintenance. Chassis engine-driven air conditioner compressor applications must be approved in writing by the engine manufacturer, who must state that the installation will not void or reduce the engine manufacturer's warranty or extended service liabilities in any way.
 - All mirror assemblies and mounting bracketry must be warranted against rust and corrosion and any reduction in clarity of view due to discoloration or other deterioration of the lens.
 - All bus body electrical wiring and switches, including, but not limited to, damage resulting from wiring or connectors becoming abraded, pierced by fasteners, shorted or otherwise damaged during manufacture or use.
 - Paint finish coats to body, hood and cowl for adhesion, color retention and gloss retention. Acceptable lower limits during the warranty period are as follows:
 - Adhesion: During the 60-month warranty period, paint and priming compounds must not fail to adhere to the bus with normal use and care.
 - Color Retention: During the first 36 months of service, the color coat must not shift colors more than 4 ΔE from the centroid, as specified in SBMTC-008. During the 60-month warranty period, the color coat must not shift color more than 8 ΔE from the centroid, as specified in SBMTC-008.
 - Gloss: During the first 36 months of service, the gloss reading must not fall below 60 at 60°. During the 60-month warranty period, the gloss reading must not drop below 30 at 60°.
 - All measurements must be the average of 12 readings taken at various points on the bus, but no reading must be more than three points under the stated minimum. All readings must be taken after the bus is thoroughly washed to remove road film and dust.
 - All emergency exit roof hatches, including defects in material and workmanship and against leakage.
 - All passenger seat back cushions and seat frames, excluding vandalism of any exposed foam.
 - All powered entrance doors and operating and control systems.
- Power lift warranty minimums are listed below, and are **not included** with the standard body warranty.

POWER LIFT WARRANTY:

A statement of warranty must be provided with each lift assuring the quality of materials and workmanship of the product for at least 36 months from the updated in-service date of the vehicle. The minimum warranty must provide 100 percent parts coverage for 36 months and 100 percent labor coverage for 12 months.

MINIMUM WARRANTY OPTIONS:

Each manufacturer or dealer may include as part of its bid package credit option allowances for districts that wish to forego the aforementioned standard and extended warranty plans and purchase the minimum/base warranty option package.

TECHNOLOGY AND EQUIPMENT, NEW:

The intent of these specifications is to accommodate new technologies and equipment that will better facilitate student transportation. New technology and equipment are acceptable for use in all vehicles if:

- Items do not compromise the effectiveness or integrity of any major safety system. (Examples of safety systems include, but are not limited to, compartmentalization, the eight-lamp warning system, emergency exits and the approved color scheme.)

2. Items do not diminish the safety of the bus interior.
3. Items do not create additional risk to students who are boarding or exiting the bus or are in or near the school bus loading zone.
4. Items do not require undue additional activity and/or responsibility for the driver.
5. Items generally increase efficiency and/or safety of the bus, generally provide for a safer or more pleasant experience for the occupants and pedestrians in the vicinity of the bus and/or generally assist the driver and makes his/her many tasks easier to perform.

CHANGES OR CLARIFICATION OF SPECIFICATIONS:

Florida School Bus Specifications may be amended pursuant to the provisions of rule 6A-3.003, F.A.C.

The School Transportation Management Section, with the concurrence of the Florida Association for Pupil Transportation (FAPT), School Bus Specifications Committee, and consistent with Florida purchasing laws and the bus bid contract, may at its discretion grant variances or exemptions and may from time to time issue clarifications of these specifications, as necessary, to provide safe, efficient and cost-effective equipment to Florida school districts and charter schools and to provide for advances in technology.

Should a clarification or interpretation of these Florida School Bus Specifications be requested, inquiries should be directed to Director, School Transportation Management Section, Florida Department of Education, 325 West Gaines Street, Suite 834, Tallahassee, Florida 32399-0400.

SECTION I

TYPE A SCHOOL BUS MINIMUM CHASSIS SPECIFICATIONS

ALTERNATOR:

Type A buses shall have a minimum 130-amp alternator. Buses equipped with an electrically powered wheelchair lift and/or air conditioning shall be equipped with the highest rated capacity available from the chassis Original Equipment Manufacturer (OEM).

BATTERIES:

The storage battery, or batteries, shall have a minimum cold cranking capacity rating (cold cranking amps) equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required, depending upon optional equipment and local environmental conditions.

BRAKE, PARKING:

On Type A chassis, the manufacturer's standard parking brake is acceptable. On Type A chassis with hydraulic brakes, the parking brake control must be mounted for easy access by the driver. On air brake models, the control valve to set the parking brakes on the rear wheels must be dash-mounted.

BRAKES, SERVICE:

Hydraulic or air brakes are permissible.

BUMPER, FRONT:

Type A buses may be equipped with an OEM-supplied front bumper.

ENGINE EQUIPMENT:

1. A dry type air cleaner is required on all engines.
2. The engine must be equipped with full-flow, spin-on or cartridge-type oil filter(s), with the filter header(s) mounted directly to engine.
3. An engine coolant recovery or deaeration system is required on all chassis. Type A diesel engines must include a means to visually check the coolant level without removing the deaeration tank cap or releasing pressure from the cooling system.
4. A warning system consisting of a light and a buzzer is required on diesel-powered Type A chassis to notify the driver of low engine oil pressure and/or coolant overheating.
5. A fuel filtration and water separator system is required on all Type A diesel engines and must remove contaminants from the fuel prior to entry into the engine. The system must have a clear sight bowl or be equipped with a water-in-fuel light to notify technicians of the presence of water, must provide a valve for draining trapped water from the system and must include an electric or manual priming pump.
6. An engine oil pressure gauge is required. It must provide accurate, easily discernible readings across the entire operating range, from hot idle to full oil pressure. The gauge on engines with idle oil pressure that under normal conditions is low must provide a clear distinction between no oil pressure and engine idle oil pressure. The gauge must be directly visible to the driver in the normal seated position and must not be mounted near the center of the dash where the service door control or its associated hardware could block visibility of the gauge.
7. Radiator and other engine coolant hoses supplied by the chassis manufacturer (not including heater hoses) must be constructed of silicone rubber or must be constructed with ethylene propylene diene monomer (EPDM) covering and aramid fiber reinforcement meeting or exceeding Society of American Engineers (SAE) standard J20R EC Class D-1. Silicone hose, if used, must include stainless steel shoe-type hose clamps or constant-torque clamps. Hoses must have markings, coloring or other visible means of distinguishing them from the standard hoses.

ENGINE PERFORMANCE REQUIREMENTS FOR TYPE A BUSES:

Each bus must be furnished with a power train that meets or exceeds the following minimum criteria when tested at the gross vehicle weight rating (GVWR) required for a given bus capacity, and with all accessories (including air conditioner compressor(s), if equipped) on and operating:

1. Startability of 20 percent;
2. Gradeability of 5 percent at 25 miles per hour;
3. Gradeability of 1.5 percent at 50 miles per hour; and
4. Top speed of 70 miles per hour minimum.

Performance must be measured with the actual completed vehicle (i.e., with the body installed, unloaded except for the driver and one passenger). The vehicle must be in drive, with the engine at idle, the service brakes applied, the emergency brakes released, and all accessories on and operating. Measurement of acceleration time must begin at the moment the throttle is applied (the throttle is to be immediately and rapidly depressed to full throttle).

NOTE: The chassis manufacturer should use the heaviest chassis/body combination meeting these specifications for the specific bus size to determine required power train components. This test is an on-road test and will be performed using the heaviest available chassis/body, depending on body(ies) supplied. At the discretion of the department, unanticipated factors or variations in test conditions affecting performance test results that are beyond the control of the chassis manufacturer may be taken into account. A Pro Link, a diagnostic computer, or a speed wheel are also acceptable tools for this test.

Maximum acceleration time (from zero mph), under the conditions specified above, must be as follows (measured in seconds):

TEST METHOD	0-10 MPH	0-20 MPH	0-30 MPH	0-40 MPH	0-50 MPH
ACTUAL	3.4	6.2	12.0	20.0	32.2

Manufacturers may offer additional engine configurations and horsepower ratings that exceed these requirements as optional equipment.

EXHAUST SYSTEM:

The exhaust system on Type A buses must have a corrosion-resistant muffler and tailpipe. The tailpipe must exit to the left of left frame rail and behind the rear wheels. The chassis manufacturer must ensure that the exhaust design allows the exit location left of the left frame rail to be maintained after any modifications to frame length by the chassis or body manufacturer. Manufacturers must ensure that exhaust temperature exiting the tailpipe with the engine running during any normal loading or unloading activity will not produce first, second or third-degree burns on students or other individuals present. The bus must not automatically regenerate the diesel particulate filter while the bus is stationary.

FRAME SIDE MEMBERS:

Frame side members must be of one-piece construction between the front and rear spring hangers. Frame rails of Type A chassis must have a minimum tensile strength of 50,000 pounds per square inch (psi).

FRONT AXLE WHEEL SEALS:

All Type A buses greater than 14,500 GVWR must have oil-lubricated front axles and seals.

FUEL TANK:

The fuel tank filler spout must be located in an easily serviceable location.

HEADLIGHTS:

Headlights must meet FMVSS and SAE standards. All buses must be equipped with Full-Time Lights (FTL) meeting the following requirements:

1. With the ignition switch off, the headlights will operate normally and the FTL system will not operate.
2. With the ignition switch on or in the “accessory” position, and with the engine not running, the FTL must not operate.
3. With the ignition switch on and the engine running with the headlight switch off, the FTL system must operate, providing low-beam headlights and tail, clearance and identification (ID) lights.
4. In all cases, the headlight switch must override the FTL system when in the “on” position.
5. This system must include a buzzer that activates if the headlight system is on with the key switch in the “off” position.

IGNITION SYSTEM:

All buses of like chassis manufacturer must have one key, regardless of the type of key supplied to Florida purchasers.

INSULATION:

Type A chassis must include heat and noise insulation inside the bus covering the dash panel (fire wall) area to as great an extent as possible. Insulation must extend at least down to the point where the body floor connects to the fire wall, including the engine cover (doghouse), which may be insulated on the interior or exterior.

LINE-SET TICKET:

The manufacturer must include with delivery of the vehicle a line-set ticket to accurately reflect all chassis components, the Gross Axle Weight Rating (GAWR) of both front and rear axles, and the gross vehicle weight rating (GVWR).

PAINT AND FINISH:

School bus yellow paint must meet SBMTC-008 for color and must have a finished gloss rating of at least 85 at 60°F and a distinctness of image rating of an average of at least 50, measured using the same method specified for gloss under **GENERAL INFORMATION AND WARRANTY PROVISIONS**. Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. Trim, lettering and the bumper must be black, except that the bumper must be striped with reflective material in accordance with [National School Transportation Specifications and Procedures, Revised 2015](#). Rims for all buses with hub-piloted wheels must be National School Bus Yellow and powder-coated by the rim manufacturer. Lug nuts must not be painted. All stud-piloted rims must be painted black.

STEERING:

A factory-installed tilt steering wheel/column is required.

TIRES AND RIMS:

Chassis must be equipped with radial tubeless tires and must have dual rear wheels. Type A buses greater than 14,500 GVWR must use hub-piloted disc wheels. Tires and rims must conform to current standards of the Tire and Rim Association.

TRANSMISSION, AUTOMATIC:

An automatic transmission is required on all chassis. It shall be heavy-duty, with a minimum of four forward speeds, on all units. On Type A chassis, 30 capacity and larger, the transmission must be an Allison 1000 or 2000 or approved equal. An external filter in the transmission oil cooler return line is required on Allison 1000 and 2000 equipped units. All Allison transmissions require OEM-approved synthetic transmission fluid and OEM filters.

Automatic transmissions incorporating a parking pawl must have a transmission shifter interlock controlled by the application of the service brake to prohibit accidental engagement of the transmission. All non-park pawl

transmissions must incorporate a park brake interlock that requires the service brake to be applied to allow release of the parking brake.

Any requests for transmission substitutions must be approved in writing by the purchasing district and the department's School Transportation Management Section.

VOLTAGE CONTROL:

The voltage regulator must be solid state (transistorized) and readily accessible for service. A voltmeter is required with a graduated scale.

WARRANTIES:

See required warranties under **GENERAL INFORMATION AND WARRANTY PROVISIONS.**

WIRING HARNESS:

The wiring must be rated for 100 amps load and include complete wiring for the tail and stop lights. It must be designed with color coding for circuits. The fuse box door, if equipped, must have a positive latch.

TYPE A SCHOOL BUS OPTIONAL CHASSIS EQUIPMENT

AIR-SPRUNG REAR SUSPENSION SYSTEM:

There shall be an option for an air-ride or approved equivalent air-sprung rear suspension system, when available. Rear shock absorbers are also required with this option, as on standard suspension systems.

COLLISION MITIGATION:

There shall be an option for passive and/or active electronic collision mitigation system(s), if available.

LOW-PROFILE RADIAL TIRES:

There shall be an option for all-wheel-position, highway-ribbed, low-profile, tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs.

SPARE DISC WHEEL:

There shall be an option for a spare disc wheel, which must be same size and type as the original rims.

STABILITY CONTROL:

There shall be an option for electronic stability control meeting the minimum requirements of FMVSS No. 136, if available.

STRAIGHT FLOOR CHASSIS:

There shall be an option for Type A chassis to accept straight floor bodies (i.e., bodies with no wheel wells). This type chassis must have a combination of axles, suspension, tires, wheels and axle stops that ensures that the maximum upward travel of the rear suspension in normal straight-ahead driving does not protrude above the top of the frame rails.

TOW HOOKS OR TOW EYES:

There must be two subcategories for this option: (1) two heavy-duty front tow hooks or tow eyes (each hook or eye must be installed by the chassis manufacturer in an approved manner to each frame rail); (2) two heavy-duty rear tow hooks or tow eyes (each hook or eye must be installed by the chassis manufacturer in an approved manner to each frame rail).

AUTOMATIC TRANSMISSION WARRANTY:

There shall be an option for extension of the transmission warranty to five years, unlimited mileage, 100 percent parts and labor. Also see GENERAL INFORMATION AND WARRANTY PROVISIONS.

SECTION II

TYPE C AND TYPE D SCHOOL BUS MINIMUM CHASSIS SPECIFICATIONS

ALTERNATOR:

Types C and D chassis with internal combustion engines shall be equipped with a heavy-duty alternator having a minimum output rating of 200 amps or higher, and should produce a minimum current output of 50 percent of the rating at engine idle speed.

Buses equipped with an electrically powered wheelchair lift and/or air conditioning shall have a minimum alternator output of 240 amps and may be equipped with a device that increases the engine idle speed when the voltage drops to, or below, a pre-set level.

BATTERIES:

The storage batteries shall have minimum cold cranking capacity rating (cold cranking amps) equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required, depending upon optional equipment and local environmental conditions.

BRAKE, PARKING:

On hydraulic brake models, a parking brake is required, with the control mounted for easy access by the driver. On air brake models, a dash-mounted control valve to spring-set the parking brake on the rear wheels is required.

BRAKES, SERVICE:

Hydraulic brakes are acceptable on 29-35 capacity Type C buses. Air brakes are required on all Type C buses larger than 41 capacity, and all Type D front and rear engine buses.

BUMPER, FRONT:

Types C and D buses must have a front bumper that is black, of full width channel type, and a minimum of 8 inches wide (vertically). The bumper must have sufficient structural and mounting strength to ensure that the front of the vehicle can be lifted by means of an air bumper-type jack, without permanent deformation of the bumper, brackets, or chassis frame rail(s).

ENGINE EQUIPMENT:

1. Diesel engines must be available in at least one of the following two configurations:
 - a. Parent bore type block; in-line 6 cylinder design; minimum 6.4 liters displacement.
 - b. Wet sleeve type block; in-line 6 cylinder design; minimum 6.4 liters displacement.

NOTE: Additional engines of other configurations or displacements, including gasoline, propane and CNG (not in lieu of the above), meeting all other requirements listed herein may be offered, subject to approval by the department. Electric-powered configurations may be offered and are exempt from the engine requirements listed below.

2. A dry type air cleaner is required. An air filter restriction indicator is required on diesel engines. The restriction indicator must incorporate a system that does not allow unfiltered air into the engine if the indicator cracks or breaks.
3. The engine must be equipped with a full-flow, spin-on or cartridge-type oil filter(s), with the filter header(s) mounted directly to engine.
4. An engine coolant recovery or deaeration system is required on all chassis. Diesel engines must include a means for visually checking the coolant level without removing the deaeration tank cap or releasing pressure from the cooling system.

5. A warning system consisting of a light and a buzzer is required on gasoline, propane, CNG and diesel-powered chassis to notify the driver of low engine oil pressure and/or coolant overheating.
6. A fuel filtration system with a water separator is required on diesel engines and must remove contaminants from the fuel prior to entry into the engine. The system must have a clear sight bowl or be equipped with a water-in-fuel light to notify technicians of the presence of water, must provide a valve for draining trapped water from the system, and must include an electric or a manual priming pump.
7. An engine oil pressure gauge and a coolant temperature gauge are required. The oil pressure gauge must provide accurate, easily discernible readings across the entire operating range, from hot idle to full oil pressure. Gauges on engines with idle oil pressure, which under normal conditions is low, must provide a clear distinction between no oil pressure and engine idle oil pressure. Gauges must be directly visible to the driver in the normal seated position and must not be mounted near the center of the dash where the service door control or associated hardware could block visibility of the gauges.
8. Radiator and other engine coolant hoses supplied by the chassis manufacturer (not including heater hoses) must be constructed of silicone rubber or ethylene propylene diene monomer (EPDM) covering and aramid fiber reinforcement meeting or exceeding SAEJ20R EC Class D-1. Silicone hose, if used, must include stainless steel shoe-type hose clamps or constant-torque clamps. Hoses must have markings, coloring or other visible means of distinguishing them from standard hoses.
9. Manufacturers must use the largest capacity oil pan available for each engine configuration in order to achieve the longest duration oil change interval.

ENGINE PERFORMANCE REQUIREMENTS:

Each bus must be furnished with a power train that meets or exceeds the following minimum criteria when tested at the GVWR required for a given bus capacity, and with all accessories (including air conditioning compressor(s), if equipped) on and operating:

1. Startability of 20 percent;
2. Gradeability of 5 percent at 25 miles per hour;
3. Gradeability of 1.5 percent at 50 miles per hour; and
4. Minimum top speed of 60 miles per hour.

NOTE: The chassis manufacturer should use the heaviest chassis/body combination meeting these specifications for the specific bus size to determine required power train components. This test is an on-road test and will be performed using the heaviest available chassis/body, depending on body or bodies supplied. At the discretion of the department, unanticipated factors or variations in test conditions affecting performance test results that are beyond the control of the chassis manufacturer may be taken into account. A Pro Link, a diagnostic computer or a speed wheel are also acceptable tools for this test.

Maximum acceleration time (from zero mph), must be as follows (measured in seconds): Performance must be measured with the actual completed vehicle (i.e., with body installed, unloaded except for the driver and one passenger). The vehicle must be in drive, with the engine at idle, the service brakes applied, the emergency brakes released, and all accessories on and operating. Measurement of acceleration time must begin at the moment the throttle is applied (the throttle is to be immediately and rapidly depressed to full throttle).

29-77 Capacity Types C and D:

TEST METHOD	0-10 MPH	0-20 MPH	0-30 MPH	0-40 MPH	0-50 MPH
ACTUAL	3.4	6.2	12.0	20.0	32.2

78-90 Capacity Type D:

TEST METHOD	0-10 MPH	0-20 MPH	0-30 MPH	0-40 MPH	0-50 MPH
ACTUAL	3.7	7.1	12.0	20.0	32.2

Manufacturers may offer additional engine configurations and horsepower ratings that exceed these requirements as optional equipment.

EXHAUST SYSTEM:

The exhaust system must have a corrosion-resistant muffler and tailpipe. The tailpipe must exit to the left of left frame rail and behind the rear wheels. Manufacturers must ensure that exhaust temperature exiting the tailpipe with the engine running during any normal loading or unloading activity will not produce first, second or third-degree burns on students or other individuals present. The bus must not automatically regenerate the diesel particulate filter while the bus is stationary. Also see Section III, Electrical Equipment and Wiring.

FRAME SIDE MEMBERS:

Frame side members must be of one-piece construction between the front and rear spring hangers. Frame rails must have a minimum tensile strength of 50,000 pounds per square inch (psi).

FRONT AXLE LUBRICATION:

All buses must have oil-lubricated front axle hubs, providing an externally visible means of checking the lubricant level.

HEADLIGHTS:

Headlights must meet FMVSS and SAE standards. All buses must be equipped with Full-Time Lights (FTL) meeting the following requirements:

1. With the ignition switch off, the headlights will operate normally and the FTL system will not operate.
2. With the ignition switch on or in the “accessory” position, and with the engine not running, the FTL must not operate.
3. With the ignition switch on and the engine running with the headlight switch off, the FTL system must operate, providing low-beam headlights and tail, clearance and identification (ID) lights.
4. In all cases, the headlight switch must override the FTL system when in the “on” position.
5. This system must include a buzzer that activates if the headlight system is on with the key switch in the “off” position.

HOOD:

Engine hood on Type C buses must not require more than 20 pounds of force to open or close.

IGNITION SYSTEM:

All ignition switches must be keyed alike. All buses of like chassis manufacturer and type must have one key.

INSULATION:

Type C chassis must include full width and height heat and noise insulation on the inside or outside of the bus covering the dash panel (firewall) area to as great an extent as possible and at least up to the top of the firewall and down to the point that the body floor connects to the firewall, including the engine cover (doghouse). Type D Front Engine buses must include complete heat and noise insulation of the doghouse area.

LINE-SET TICKET:

Manufacturer must include with delivery of vehicle a line-set ticket to accurately reflect all chassis components, GAWR of both front and rear axles, and GVWR.

PAINT AND FINISH, TYPES C and D CHASSIS:

School bus yellow paint must meet SBMTC-008 for color and must have a finished gloss rating of at least 85 at 60° and a distinctness of image rating of an average of at least 50 measured using the same method specified for gloss under GENERAL INFORMATION AND WARRANTY PROVISIONS. Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. Trim, lettering and bumper must be black, except that bumper must be striped with reflective material in accordance with [National School Transportation Specifications and](#)

[Procedures, Revised 2015](#) and Procedures or these specifications. Rims must be powder-coated, National School Bus Yellow, by the wheel manufacturer. Lug nuts must not be painted.

NOTE: MFSAB is excluded from the school bus yellow color requirement of this section, however, all other paint rating requirements shall apply. See MFSAB requirements under **GENERAL INFORMATION AND WARRANTY PROVISIONS** beginning on page 1.

RADIATOR FILLER TUBE:

The radiator filler must be located for ease of service from the engine compartment on Type C and Type D rear engine buses. It must be located for ease of service from outside the bus on Type D front engine buses.

STABILITY CONTROL:

Electronic stability control meeting the minimum requirements of FMVSS No. 136 is required.

STEERING:

A tilt steering wheel/column is required.

TIRES AND RIMS:

Chassis must be equipped with radial tubeless tires mounted on hub-piloted disc wheels. All wheels of 8.25 inches or greater width must be two hand-hold wheels. Tires and rims must conform to current standards of the Tire and Rim Association (see Chassis Specifications Charts for sizes). See PAINT AND FINISH for wheel color information.

TRANSMISSION, AUTOMATIC:

An automatic transmission is required on all chassis as specified:

1. Type C 29-47 capacity, Allison PTS 2100, 5 speed or Ford 6R140, 5 speed or approved equal.
2. Type C 65-78 capacity, Allison PTS 2500, 5 speed or Ford 6R140, 5 speed or approved equal.
3. Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.
4. Type D 78-89 capacity front engine, Allison PTS 2500, 5 speed or approved equal.
5. Type D 72 capacity rear engine, Allison PTS 2500, 5 speed or approved equal.
6. Type D 78-89 capacity rear engine, Allison PTS 3000, 6 speed or approved equal.

All requests for transmission substitutions must be approved in writing by the purchasing district and by the department's School Transportation Management Section.

Allison PTS 2000 series transmissions must include an external spin-on type, vertically mounted transmission fluid filter. The shifter must be dash- or console-mounted and must be either a T-handle or push-button design.

Allison PTS 3000 series transmissions must have at least five speeds enabled for front engine Type D and six speeds for rear engine Type D.

All transmissions require synthetic or OEM approved equal transmission fluid and must use OEM filters.

Automatic transmissions incorporating a parking pawl must have a transmission shifter interlock controlled by the application of the service brake to prohibit accidental engagement of the transmission. All non-park pawl transmissions must incorporate a park brake interlock that requires the service brake to be applied to allow release of the parking brake.

WIRING HARNESS:

All chassis electrical wiring must conform to current standards of the Society of Automotive Engineers, be coded by color, insulated and completely encased in convoluted loom or equivalent protective wrapping. In locations that prevent such looming, wires must be properly held in place by appropriate fasteners at intervals necessary to prevent possible damage to wire insulation. The fuse box door, if equipped, must have a positive latch. All chassis electrical

circuits must be fused per the requirements of FMVSS. Buses using multiplexed electrical systems may meet the intent of these specifications without the use of specified equipment, subject to approval by the department.

TYPE C CHASSIS:

Maximum Design (Passenger) Capacity	29LT	29	47	65	71	77
Front Axle Weight Rating (pounds)	5,000	6,000	7,000	9,000	10,000	10,000
Rear Axle Weight Rating (pounds)	10,000	13,000	15,000	19,000	19,000	20,000
Cowl to axle, minimum (inches)	123	123	162	229	250	250
Minimum tire size-Load Range; tubeless-radial ply*	225R-19.5F	10R-22.5-F	11R-22.5-G	11R-22.5-G	11R-22.5-G	11R-22.5-G
Disc wheels -- minimum rim width (inches)	6.75	7.5	8.25	8.25	8.25	8.25
Hub-piloted disc wheels for tubeless radial tires	6 stud, 5 hand hold	6 stud, 5 hand hold	10 stud, 2 hand hold	10 stud, 2 hand hold	10 stud, 2 hand hold	10 stud, 2 hand hold
Fuel tank minimum size (gallons)	30	30	60	60	60	60
Allison transmission series (# of forward gears) ** Must include park pawl.	PTS 1000 or 2200 (5)**	PTS 2100 (5)	PTS 2100 (5)	PTS 2500 (5)	PTS 2500 (5)	PTS 2500 (5)

TYPE D FORWARD CONTROL FRONT ENGINE:

Maximum Design (Passenger) Capacity	71	77	83	89
Front Axle Weight Rating (pounds)	10,800	12,000	12,000	12,000
Rear Axle Weight Rating (pounds)	17,000	19,000	21,000	23,000
Tires – minimum size, Load Range acceptable*	11R-22.5G	11R-22.5G	11R-22.5-G	11R-22.5-G
Hub-piloted disc wheels-10 stud, minimum rim width (inches)	8.25, 2 hand hold	8.25, 2 hand hold	8.25, 2 hand hold	8.25, 2 hand hold
Minimum size fuel tank (gallons)	60	60	60	60
Allison transmission series (# of forward gears)	PTS 2500 (5)	PTS 3000 (5)	PTS 3000 (5)	PTS 3000 (5)

An automatic transmission is required on all chassis. See **TRANSMISSION, AUTOMATIC** for required specifications.

Maximum overall length of the bus must not exceed 45 feet, bumper to bumper.

*Low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs may be approved in lieu of standard conventional tubeless radial tires.

TYPE D REAR ENGINE CHASSIS SPECIFICATIONS CHART:

Maximum Design (Passenger) Capacity	72	78	84	90
Front Axle Weight Rating (pounds)	11,000	12,000	12,000	12,000
Rear Axle Weight Rating (pounds)	19,000	21,000	23,000	23,000
Tires – minimum size, Load Range acceptable *	11R-22.5-G	11R-22.5-G	11R-22.5-G	11R-22.5-G
Hub-piloted disc wheels-10 stud, minimum rim width (inches)	8.25, 2 hand hold	8.25, 2 hand hold	8.25, 2 hand hold	8.25, 2 hand hold
Minimum size fuel tank (gallons)	60 gal.	60 gal.	60 gal.	60 gal.
Allison transmission series (# of forward gears)	PTS 2500 (5)	PTS 3000 (6)	PTS 3000 (6)	PTS 3000 (6)

Maximum length of vehicle must not exceed 45 feet, bumper to bumper.

*Must meet Tire and Rim Association Standards. Low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs may be approved in lieu of standard conventional tubeless radial tires.

TYPE C AND TYPE D SCHOOL BUS OPTIONAL CHASSIS EQUIPMENT SPECIFICATIONS

AIR-SPRUNG FRONT SUSPENSION SYSTEM:

There shall be an option for an air-ride or approved equivalent air-sprung front suspension system, when available. Front shock absorbers are also required with this option, as on standard suspension systems.

AIR-SPRUNG REAR SUSPENSION SYSTEM:

There shall be an option for an air-ride or approved equivalent air-sprung rear suspension system, when available. Rear shock absorbers are also required with this option, as on standard suspension systems.

COLLISION MITIGATION:

There shall be an option for passive and/or active electronic collision mitigation system(s), if available.

ALTERNATOR, HIGHER OUTPUT:

There shall be an option for alternators having a minimum of 270 amps hot-rated output.

HIGH CAPACITY FUEL TANK:

There shall be an option for a fuel tank of higher capacity than the standard fuel tank, mounted on the right side or between the frame rails, when available.

LOW-PROFILE RADIAL TIRES:

There shall be an option for all-wheel-position, highway-ribbed, low-profile tubeless radial tires of size and load range meeting Tire and Rim Association Standards for the required GAWRs.

SPARE DISC WHEEL:

There shall be an option for a spare disc wheel, which must be same size, type and color as the original rims.

TOW HOOKS OR TOW EYES:

There shall be an option for two heavy-duty tow hooks or tow eyes, installed by manufacturer on each frame rail at the front of the bus in an approved manner. The manufacturer may also offer rear-mounted tow hooks or tow eyes meeting these requirements.

STRAIGHT FLOOR CHASSIS:

There shall be an option for a chassis designed to accept straight floor bodies (i.e., bodies with no wheel wells). This type of chassis must have a combination of axles, suspension, tires, wheels and axle stops that ensures that the maximum upward travel of the rear suspension in normal straight-ahead driving does not protrude above the top of the frame rails.

TIRES:

There shall be an option for alternate brand, size and tread designs of tires when available. Optional tires must meet GAWR requirements and Tire and Rim Association Standards.

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SECTION III

MINIMUM SCHOOL BUS BODY SPECIFICATIONS

The specifications set forth in this section apply to types A, C and D school buses. Special exceptions for Type D bodies are listed at the end of this section. The completed school bus must meet all Federal Motor Vehicle Safety Standards, requirements of the State of Florida and requirements of the [National School Transportation Specifications and Procedures, Revised 2015](#) (state specifications supersede national specifications). References to bus capacity within these specifications are for Maximum Design Capacity, as defined below under **BODY DATA PLATE**.

BATTERY DISCONNECT SWITCH:

There must be a battery disconnect switch in the air conditioning (A/C) or battery compartment or within three feet of the battery box if no A/C box is available. This switch must be accessible and operable from the exterior of the bus. Electronic control modules may be connected to battery power per the manufacturer's discretion; however, any circuit that does not become an open circuit with the actuation of the battery disconnect switch must be fused appropriately at the power source and labeled so each circuit is easily identifiable.

BODY DATA PLATE:

A durable data plate must be mounted inside the body in a clearly visible location. The body data plate information must include a listing of the "Maximum Design Capacity" and the "Equipped Capacity" of the body. Maximum Design Capacity must be the maximum number of passengers the bus (body shell size) can carry, based on 12.8 inches minimum seat width per passenger, with the minimum knee room (seat spacing) permitted by FMVSS No. 222. Equipped Capacity must be the actual passenger capacity of the finished body, as equipped by the manufacturer, based on:

1. The number of total passengers the installed bench seats are designed to carry; and
2. The number of wheelchair positions installed (based on wheelchair space dimensions contained in Section IV of these specifications).
3. An example of the format to be used for Equipped Capacity is "28 + 3 WC," meaning 28 regular passenger seating positions plus three wheelchair positions.

BODY FLUID CLEANUP KIT:

Each bus must be equipped with a disposable, sealed body fluid cleanup kit mounted by a method that will retain it under a load equivalent to 20 times the weight of the kit and must be removable without the use of tools. The kit must be accessible to the driver. The kit container must be sealed with a breakable, nonreusable seal, with the following items:

1. A U.S. Environmental Protection Agency (EPA) registered liquid germicide (tuberculicidal) disinfectant;
2. A fully disposable wiping cloth;
3. A water-resistant spatula;
4. Step-by-step directions;
5. Absorbent material with odor counteractant;
6. Two pairs of gloves (Nitrile);
7. One package towelettes; and
8. A discard bag (non-labeled paper bag with plastic liner and a twist tie). This bag must be approximately 4 x 6 x 14 inches and of a non-safety color (i.e., not red, orange or yellow).

BUMPER, REAR:

The rear bumper must be of pressed steel channel at least 3/16 inch thick, 8 inches wide (vertically), and flanged 2 inches at the top and bottom, or otherwise designed to furnish equal flexural strength. It must be of wraparound design and securely fastened to each chassis rail and braced from each end of bumper to chassis rail with heavy braces. The bumper must have the structure and strength necessary to allow the unloaded vehicle to be lifted with a bumper jack without deformation or damage. The contour of the bumper must fit the contour of the body in a manner to prevent

hitching to or riding on the bumper. An appropriate seal must be applied between the bumper and the body panel, unless the gap between the bumper and the body panel is 1/8 inch or less.

DRIVER'S DOCUMENT COMPARTMENT:

On Types C and D buses, a pouch on the front side of the driver's side crash barrier with minimum dimensions of 17 x 12 x 4 inches is required. This pouch must be located to the left side of the barrier for types B and C, and to the right side of the barrier for Type D, accessible to the driver from the seated position. It must be made of the same material as the covering on the barrier and have a lid or cover with a latching device such as Velcro™ or snaps.

DRIVER'S SEAT:

All school buses must have a driver's seat equipped with a one-piece high back designed to minimize the potential for head and neck injuries in rear impacts, providing minimum obstruction to the driver's view of passengers, and meeting applicable requirements of FMVSS No. 222. The height of the seat back must be sufficient to provide the specified protection for up to a 95th percentile adult male, as defined in FMVSS No. 208. The driver contact area of the cushion and seat back must be made of soil and wear-resistant cloth material, nylon, or equivalent. The remainder of the seat may be of a different material. The seat must be centered behind the steering wheel with the backrest a minimum distance of 11 inches behind the steering wheel. The seat must be securely mounted to ensure minimal flexing of the seat and the floor panel(s).

All school buses equipped with air brakes must also be equipped with an air suspension driver's seat meeting the following additional requirements:

1. The air control for the height adjustment must be within easy reach of the driver in the seated position.
2. The seat cushion must be a minimum of 19 1/2 inches wide, must be fully contoured for maximum comfort, and have a minimum of two adjustment positions to allow adjustment of seat bottom angle.
3. The backrest must include adjustable lumbar support.
4. The seat must have a minimum of 7 inches fore and aft travel, adjustable with the driver in the seated position. This requirement applies to the seat mechanism.
5. The seat must have a minimum 4 inches up and down travel.
6. The seat back must include adjustability of tilt angle.
7. All adjustments must be by fingertip controls not requiring the use of tools.
8. Air suspension seats must be dampened by dual shock absorbers, acting independently.
9. The seat must comply with all applicable Federal Motor Vehicle Safety Standards.
10. All other buses must have a driver's seat equipped with a hydraulic and/or spring suspension base, and a minimum seat cushion width of 19 inches, and must meet the other requirements listed herein for air suspension seats.

The chassis manufacturer's standard driver's seat is acceptable for Type A buses. Also, see **GENERAL INFORMATION AND WARRANTY PROVISIONS.**

DRIVER'S SEAT BELT:

Buses must be equipped with a Type 2 lap belt/shoulder harness seat belt assembly for the driver. The design must incorporate a fixed female push-button latch on the right side at seat level, and a male locking bar tongue on the left, retracting side. The assembly must be equipped with a single, dual sensitive Emergency Locking Retractor (ELR) for the lap and shoulder belt. This system must be designed to minimize cinching down on suspension type seats. The lap portion of the belt must be anchored or guided at the seat frame by a metal loop or other means at the right side of the seat to prevent the driver from sliding sideways out of the seat. There must be a minimum of 7 inches of adjustment of the "D" loop of the driver's shoulder harness, designed to provide adequate adjustment for all sizes of drivers within the range of a 5th percentile female to a 95th percentile adult male, as defined in FMVSS No. 208. Shoulder belt tension must be no greater than is necessary to provide reliable retraction of the belt and removal of excess slack. The seat belt assembly and anchorage must meet applicable FMVSS. Seat belt material must be bright orange in color, in order to provide maximum contrast with the driver's clothing.

NOTE: The driver's seat belt assembly for Type A buses must be the manufacturer's standard Type 2 driver seat belt, meeting applicable FMVSS for school buses of 10,000 pounds GVWR and less.

ELECTRICAL EQUIPMENT AND WIRING:

All wiring must conform to current SAE standards, be coded by color and be insulated. All joints must be soldered or joined by equally effective fasteners. All wires connected directly to the battery must have the end terminals protected with heat-shrink tubing. Body wiring and connectors, including any battery cables routed by the body manufacturer, must be routed so as to eliminate the possibility of wiring and connectors becoming abraded, pierced by fasteners, shorted or otherwise damaged during manufacture and use. All chassis and body electrical wiring must be completely encased in convoluted loom or equivalent protective wrapping. In locations that prevent such looming, wires must be properly held in place by appropriate fasteners at intervals necessary to prevent possible damage to wire insulation. A complete body wiring diagram showing the location of wires and the code of circuits for buses meeting Florida Specifications must be installed in each body. Additionally, for all school bus body optional electronic components installed in the bus, the body manufacturer must provide each district with at least one comprehensive parts and repair manual. Buses using multiplexed electrical systems may meet the intent of these specifications without the use of specified equipment subject to approval by the department. All requirements listed herein for Light Emitting Diode (LED) type lights must be for the latest generation LEDs available at the time of manufacture. Electrical components specified below must be provided, and wiring must be in circuits, as follows:

ACCESS PANEL, ELECTRICAL:

All Type C and D buses must be equipped with an electrical access panel to provide access to body electrical components and circuits.

BACKUP LIGHTS; BACKUP ALARM and DECAL:

There must be two backup lights of 4 inches in diameter, or 12.5 square inches, on the rear of all bodies meeting the following requirements:

1. They must be sealed LED lights;
2. They must use a plug connector; and
3. They must be set into the bus body (flush-mounted).

The body manufacturer must provide a backup alarm on each bus to provide audible warning that the bus is in reverse gear. The alarm must meet the requirements of SAE J994 and have a variable volume feature that allows the alarm to vary from 87 dBA to 112 dBA sound level, staying at least 5 dBA above the ambient noise level.

All buses must have a decal in full view of the driver indicating that the bus is equipped with a backup alarm.

BRAKE/TAIL LAMPS, LARGE:

Buses must be equipped with two combination LED type brake/tail lamps of a minimum of 7 inches in diameter or 38 square inches, mounted as high and spaced as far apart laterally as practical, below the window line, but not less than three feet measured from the center of the lamps. Also, they must use a plug type connector meeting FMVSS and SAE standards.

BRAKE/TAIL LAMPS, SMALL:

Buses must be equipped with two combination brake/tail lamps of 4 inches in diameter or 12.5 square inches, meeting FMVSS. Light intensity must at least equal Class A turn signal units. These lights must be LED lights with smooth exterior lens surfaces. They must use a plug connector and be set into the bus body.

CIRCUIT BREAKERS:

All body electrical circuits must be fused per the requirements of FMVSS. The main body electrical circuit must be protected by a manually resettable circuit breaker or fusible link.

CLEARANCE AND IDENTIFICATION LIGHTS:

All clearance and identification lights must meet current SAE requirements and FMVSS and must:

1. Be sealed LED lights.
2. Be surface-mounted with Lexan™, polycarbonate, or other non-corrosive material guard to prevent breakage. Lights set into the body do not require guards.
3. Use a plug connector.
4. Be activated by the headlight circuit.

CONTROL PANEL LIGHTING:

The control panel or switches supplied by the body manufacturer must be illuminated and have a control for varying the illumination to the control panel or switches.

EMERGENCY EXIT BUZZER:

Emergency door and emergency window buzzers must be connected to the accessory side of the ignition switch.

HEATER/DEFROSTER:

There must be a heater mounted in the front of the bus. A supplemental heater may be installed in any bus. All heaters must provide evenly distributed heat throughout the bus body, provide defrosting for the windshield and entrance door and meet the following performance standards:

1. Heaters must have capabilities of providing evenly distributed heat and creating a temperature rise to 50° F inside the body shell when soaked in an ambient temperature of 0° F for 15 hours. Heater performance must be measured as follows:
 - a. Temperature measurement must be taken 39 inches inward from side walls, 39 inches inward from windshield and rear door, and 36 inches above floor. Heat must be evenly distributed through the aisle area.
 - b. Temperature must rise to 50° F inside (when soaked in ambient temperature of 0° F for 15 hours) in 20 minutes when 170° F hot water is applied at the rate of 3 gallons per minute at a maximum of 6 psi pressure.
2. Defrosters – Must meet the following criteria:
 - a. Must be able to defrost the total windshield area in a reasonable period of time under all normal driving conditions.
 - b. Must be directional to provide the driver capability of defrosting in the drive view area first.
 - c. Defroster system must have the capability of mixing a minimum of 50 percent outside fresh air with the defrosting air.
 - d. Defroster system must meet the SAE Standard J381 performance requirement.

All heater hoses must meet or exceed SAEJ20R EC Class D-1 standards. If silicone hoses are used, shoe design hose clamps must be used. Heater lines on the interior of the bus must be fully shielded to prevent scalding of the driver or passengers in the event of a hose or connection failure. The modesty panels must not obstruct heat flow from the driver's area to the passenger area of the bus; this may be accomplished by ducting or other means that retains, to the extent practical, the required full width aluminized steel panel extending down to the floor. Also see **SEATING AND MODESTY PANELS.**

A 1/4 turn ballcock coolant flow regulating valve for the heater must be installed so that its control is accessible to the driver, but in such a location as to discourage tampering by students. This valve may be remotely located if a suitable remote control system is used. Also required are 1/4 turn ballcock coolant flow regulating shut-off valves, installed in the pressure and return lines as close to the engine as possible.

The windshield defroster and defogging system must provide defogging of the entire windshield, driver's side window and entrance door glasses by using hot air taken from the heater core. Bodies that do not have defrosters providing forced heated air by means of ducting across entire base of windshield must be equipped

with an additional right-side mounted defroster fan that uses hot air from the heater. One electrical switch must be provided to simultaneously turn on or off any fan(s) providing hot air for defogging of the windshield, driver's side window and entrance door glass.

NOTE: Type A buses must have a fresh air type heater and defroster system as installed by the chassis manufacturer.

INTERIOR LIGHTS:

There must be at least four recessed flush-mounted interior lights in the passenger compartment of the bus, operated by one switch mounted on the control panel. If more than six lights are used, then an additional switch may be added to control these lights. There must also be two recessed flush-mounted interior lights mounted in the driver's area of the bus (to the left and right of the centerline of the bus), operated by a separate switch mounted on the control panel. Lenses for all interior lights must be Lexan™ or other polycarbonate material. All interior lights must be LED lights.

LICENSE PLATE LAMP:

Must be LED and may be combined with one of the required combination brake/tail lamps.

MASTER SWITCH FOR BODY ELECTRICAL CIRCUITS AND OTHER SWITCHES:

All bodies must be equipped with an electrical circuit master switch that will turn body circuits ON and OFF by means of a solenoid (relay) controlled by the ignition switch. There must also be a manual noise abatement switch installed in the control panel, labeled and alternately colored, and wired into the activation circuit for the master body circuit solenoid. This must be an on/off switch that deactivates all body equipment that produces noise, including, at least, the AM/FM radio, heaters, air conditioners, fans, and defrosters. This switch must not deactivate safety systems such as windshield wipers or lighting systems. On types C and D buses there must also be a switch mounted in a location inaccessible to the driver to manually start the diesel particulate filter regeneration process. This switch must be appropriately labeled.

POST-TRIP PASSENGER CHECK SYSTEM:

System Requirements:

1. The bus must be equipped with a system to require the driver to walk to the rearmost interior of the bus after each trip to deactivate the system via a push button and to ensure that no passengers are left on the bus. The system must interconnect with the entrance door (and the driver's door on Type A buses) and immediately activate if the door is opened when the system is armed.
2. The system must have an indicator light in view of the driver that is illuminated when the system is armed. The system must be armed any time the bus is in service transporting students. This may be accomplished through the use of any reasonable method, such as recording a speed above 20 MPH or exceeding 10 minutes of operation with the door closed. In all cases, the system must arm itself after 10 minutes of operation, and/or any time the red student warning lights are activated.
3. The system may not be disarmed until the vehicle ignition switch has been switched to the "off" position. The system must not be activated if the ignition switch is placed in the accessory position or if the bus is restarted.
4. The system must turn on the interior lights when the ignition switch is turned to the "off" position. The lights must remain on for 60 seconds after system deactivation.
5. The system must not have a bypass.
6. The system must sound the vehicle horn and flash the headlights if the driver fails to deactivate the system within 60 seconds of turning the ignition off. Type A buses may activate the red student warning lights in lieu of the headlights.
7. The system must be disarmed by the use of a push button switch placed on the left rear bulkhead or above the left rear passenger window for types A, C, and D front engine (FE) buses. The push button must be placed above the left rear passenger window for Type D rear engine (RE) buses. This button must be clearly marked.

System Definitions:

1. Armed = The system is functioning and is ready to alarm.
2. Disarmed = The system is off and inactive.
3. Activated = The horn is blowing and the lights are flashing.
4. Deactivated = The disarm switch at the rear of the bus has been operated by the driver.

System Functionality:

1. The system must be fully automatic in function and must not provide for manual bypass or override capability under any circumstances.
2. From the bus sitting still with ignition key in the "off" position:
 - a. With the ignition key switched to the "accessory" position, the system remains disarmed.
 - b. With the ignition key switched to the "on" position (engine remaining off), the system remains disarmed.
 - c. With the ignition key switched to the "on" position (engine running) and the bus operated under 20 MPH, the system remains disarmed.
 - d. With the ignition key switched to the "on" position (engine running) and the bus operated over 20 MPH or for more than 10 minutes of continuous operation (or other reasonable operational trigger mechanism), the system is armed.
3. From bus having been operated over 10 minutes, no longer moving, with the entrance door (and driver's door, if equipped) closed, the ignition key in the "on" position (engine running) and the system armed:
 - a. With the ignition key switched to "off" position (engine off), the interior dome lights are immediately illuminated.
 - b. With the ignition key switched to the "off" position (engine off) and the ignition key switched back to the "on" position (engine off or restarted) within 60 seconds, the interior dome lights are extinguished and the system remains armed, but flashing lights and horn alarms are not activated.
 - c. With the ignition key switched to the "off" position (engine off), interior dome lights illuminated and entrance door (or driver's door, if equipped) opened, flashing light and horn alarms are activated.
 - d. With the ignition key switched to the "off" position (engine off), interior dome lights illuminated and the driver taking no action for 60 seconds, the flashing lights and horn alarms are activated.
 - e. With the ignition key switched to the "off" position (engine off), interior dome lights illuminated, and driver walking to the rear of the bus and disarming the system within 60 seconds, the system is disarmed and no flashing lights and horn alarms are activated.
4. Once the flashing lights and horn alarms are activated, they can be deactivated only by disarming the system at the rear of the bus.
5. The interior dome lights are extinguished 60 seconds after the system is disarmed.

STUDENT WARNING LIGHTS, STOP ARMS, STUDENT CROSSING ARM, AND SYSTEM CONTROLS AND OPERATION:**Student Warning Lights:**

Must be dual-mounted side by side on all corners of bus roof caps. Mounting must be as high as practical on the top and as near the outer edge of the bus, as curvature permits. The lamps must be securely mounted. There must be a black background that is at least 1¼ inches wide. The lamps installed in the outboard locations must be red; the lamps installed in the inboard locations must be amber. The lamps must be clearly visible in bright sunlight for a minimum of 500 feet. Additionally, student warning lights must:

1. Have light assemblies of a flat back design. Cutouts in roof caps must be no larger than necessary to accommodate the student warning lights wires. A flush-mounted design is acceptable.
2. Use strobing LED bulbs.

3. Be 7 inches in diameter or 38 square inches minimum.

System Controls:

Must be equipped with the following driver-actuated controls:

1. Master switch – provides means for deactivating the entire system, as would be required when opening the door at a railroad grade crossing.
2. Control switch – three positions: OFF, AMBER and RED. The switch may be a rocker, pull-type, or other switch providing three positions. This switch must be separated from the master switch by at least one inch and colored red.
3. Switch actuated by the service door.
4. Controls must provide for the combinations of switch positions and conditions of student warning lights, stop arm(s), stop arm lights and audible alarm, as indicated on the chart below.

NOTE: The system must not be designed in such a way that the operator is required to actuate the controls in a particular sequence to achieve the desired combination of conditions. For example, if the driver places the three-position switch in the AMBER position, with the master switch ON, it must not be required that the three-position switch be moved to RED or that the service door be opened in order to deactivate the AMBER lights. In this example, the driver must be able to deactivate the AMBER lights by going directly from the AMBER to the OFF position.

With Master Switch, Control Switch, and Service Door In The Following Positions:				Condition of Stop Arm(s), Stop Arm Lights, Amber and Red Student Warning Lights and Audible Alarm Must Be:				
	MASTER SWITCH POSITION (ON or OFF)	CONTROL SWITCH POSITION (three positions: off, amber or red)	SERVICE DOOR POSITION		STOP ARMS, STOP ARM LIGHTS	AMBER STUDENT WARNING and PILOT LIGHTS	RED STUDENT WARNING and PILOT LIGHTS	AUDIBLE ALARM
1	ON	OFF	CLOSED	1	RETRACTED, OFF	OFF	OFF	OFF
2	ON	OFF	OPEN	2	RETRACTED, OFF	OFF	ON	ON
3	ON	AMBER	CLOSED	3	RETRACTED, OFF	ON	OFF	OFF
4	ON	AMBER	OPEN	4	RETRACTED, OFF	OFF	ON	ON
5	ON	RED	CLOSED	5	EXTENDED, ON	OFF	ON	OFF
6	ON	RED	OPEN	6	EXTENDED, ON	OFF	ON	OFF
7	OFF	ANY POSITION	ANY POSITION	7	RETRACTED, OFF	OFF	OFF	OFF

Student Crossing Arm:

Is required and must be:

1. Air-operated on all air brake-equipped buses.
2. Electrically operated on all hydraulic brake buses.
3. Mounted to the far right side of the front bumper and open to an angle perpendicular to the bus.
4. Designed so that all components and connections are weatherproofed.
5. Removable with hand tools for towing of the bus.
6. Designed to meet or exceed SAE Standard J1133.
7. Constructed of noncorrosive or nonferrous material or treated in accordance with the body sheet metal standard.
8. Designed so that it has no sharp edges or projections that could cause hazard or injury to students.
9. Designed and equipped with a four-point mounting to the front bumper.
10. Designed so that the arm extends approximately 72 inches from the front bumper when in the extended position. The arm must be constructed of a yellow polycarbonate material or noncorrosive tubing painted yellow. Approximate dimensions of the arm must be 65 x 3 x 1 inches.
11. Designed and installed to extend simultaneously with the stop arms by means of the stop arm control and retract within eight seconds of deactivation.
12. Equipped with a magnetic device or other assembly attached to the bumper at the end of the arm to provide a positive latch for the arm when not in use; this device must also reduce the tendency of the arm to rattle and vibrate when not in use.

Stop Arm Signals:

For all 47 capacity and larger buses, there must be installed on the left outside of the body two approved octagonal stop-signal arms, each equipped with two double-faced alternately flashing LED strobe lights for signaling a student stop. All buses of less than 47 capacity must be equipped with one stop arm. Bodies to be mounted on chassis with hydraulic brakes must be equipped with electrically actuated stop arm(s). Air-powered stop arms must be provided as standard equipment on all buses equipped with air brakes. The rear stop arm location on buses equipped with dual stop arms must be the left side of the bus, as close as practical to the left rear corner of the body. The light lenses of all stop arms must be RED. Air lines must not be readily accessible to students inside or outside the bus and must be made of copper, steel or nonmetallic materials meeting SAE Standard J848d. Fittings must be brass. Stop signal arms must meet the applicable requirements of SAE J1133. For controls, see the requirements above under System Controls. Stop arms must retract within six seconds of deactivation. For color, see **LETTERING AND TRIM**.

STEP WELL LIGHT:

A step well light must illuminate the bus entrance and be adequately protected. The step well light must be activated automatically when the service door is opened and the clearance lights are on. The step well light must be LED. See **SERVICE DOOR** for further operational requirements.

STROBE LIGHT:

A required white flashing LED strobe lamp must be installed on the roof of a school bus at a location centered (laterally) and approximately 48 inches (longitudinally) from the rear edge of the rear roof cap. If the bus is equipped with a roof hatch or other roof-mounted equipment falling within the above mentioned measurements, the strobe lamp may be located directly behind that equipment. The lamp shall have a single clear lens emitting light 360 degrees around its vertical axis, meeting the requirements of SAE J845. It may not extend above the roof more than the maximum legal vehicle height, as described in s. [316.515\(2\), F.S.](#) A manual switch and a pilot lamp shall be included to indicate when the lamp is in operation.

TURN SIGNAL LAMPS:

Front turn signal lights must be amber LED lights (if available); side turn signal lights must be amber LED lights on each side of the bus, mounted rearward of the service door on the right side and rearward of the front stop arm on the left side. All buses over 30 feet in length must have two amber LED turn signal lights mounted on each side of the bus. The rearmost side turn signals on buses over 30 feet long must be mounted at or rearward of the centerline of the rear axle. Rear turn signal lights must be plug-in LED lights that meet current SAE requirements and comply with FMVSS.

TWO-WAY RADIO:

Use of a two-way radio communications system approved by the school district is acceptable.

VIDEO CAMERA MONITORING SYSTEMS:

Districts may install video cameras in buses provided the installed system:

1. Is mounted securely in the bus;
2. Is outside the federal head impact zone (FMVSS No. 222);
3. Is located in an area not likely to cause student injury; and
4. Has no sharp edges or projections.

NOTE: This is the end of the **ELECTRICAL EQUIPMENT AND WIRING** section.

EMERGENCY EXITS:

1. The emergency door on all types A, C and front engine Type D buses must be located at the center of the rear of the bus and have a minimum horizontal opening of 24 inches and vertical opening of 48 inches.
2. The emergency door must be hinged on the right-hand side using hinge(s) with a brass or rust-resistant rod.
3. The outside control must consist of a nondetachable opening device designed to prevent “hitching to.”
4. The emergency door must be equipped with a slide bar, cam-operated latching device having a minimum stroke of one inch.
5. The switch for the warning system must be enclosed in a metal case or durable case of other material, with rounded, protected edges. Wires leading from the switch must be concealed in the bus body. The switch must be installed so that the plunger contacts the farthest edge of the slide bar in such a manner that any movement of slide bar will immediately close the switch circuit and activate the buzzer.
6. The door latch must be equipped with an interior handle that extends approximately to the center of the emergency door. It must lift up to release.
7. There must also be attached to the door, in such a way that it is visible inside and outside the bus, labeling as follows: “This door is equipped with a hold-open device. To release, open the door to its fully opened position.” This sticker must be red on a white background, and the lettering must be a minimum height of 1/2 inch.

Each non-lift bus must also be equipped with push-out type emergency exit side windows of similar design to the standard side windows, except for the following:

1. The emergency window assemblies must be hinged on the forward side.
2. No emergency window may be placed next to any child safety seat.
3. Emergency windows must be installed in the following quantity on non-lift buses:
 - a. 0 to 40 capacity 1 window per side
 - b. 41 to 72 capacity 2 windows per side
 - c. 73 to 90 capacity 3 windows per side

Buses 35 capacity and smaller must be equipped with one roof hatch emergency exit/ventilator. Buses over 35 capacity must be equipped with two roof hatch emergency exit/ventilators. Specifications for roof hatches must be as follows (also see **GENERAL INFORMATION AND WARRANTY PROVISIONS**):

1. Hinge(s) must be located on forward and rearward side of hatch.

2. The design must provide a “partially open” position along the full width of the hatch, adequate to allow air to enter or exit and, thereby, ventilate the bus by opening either the front or rear of the hatch. The hatch must allow for partial opening on any of its four sides and on all four sides simultaneously.

Buses equipped with a lift are not required to be equipped with push-out emergency exit windows unless mandated by FMVSS No. 217. Lift buses may be equipped with push-out type emergency exit windows based on the capacity of a comparably sized non-lift bus.

EMERGENCY ROADSIDE REFLECTORS:

There must be three reflector warning devices, meeting the requirements of FMVSS No. 125, mounted in a location accessible to driver in the front section of the bus, and stored in a container. The container must be sealed with a breakable, nonreusable seal.

FIRE EXTINGUISHER:

A dry-chemical fire extinguisher with a gauge and designed to restrain tampering must be mounted in a place accessible to the driver, preferably near the service door.

The fire extinguisher must bear the label of Underwriters Laboratories, Inc., showing a rating of no less than 2A-10BC.

FIRST-AID KIT:

The bus must carry a Grade A, moisture- and dust-proof first-aid kit, mounted in such a manner that it can be easily detached and made portable and in an accessible place in the driver's compartment. The container must be sealed with a breakable, nonreusable seal and the contents must be as follows:

1 inch bandage compress (e.g., Band-Aids)	two packages
40 inch triangular bandage with two safety pins	one package
4 x 4 inch sterile gauze pads	two packages of six each
Rolled curlex bandage each in length	two inches x six yards
1 inch roll adhesive tape in length	one roll 2 1/2 yards
Eye dressing packet	two packages

FLOOR AND FLOOR COVERING:

1. The floor must be level from front to back and from side to side except for the wheel housings, the toe board and the driver's seat platform.
2. All sills must be permanently attached to the floor.
3. The driver's compartment plate on conventional bodies must be removable, installed level with the bus floor. All components requiring servicing must be readily accessible. Openings in the bus floor to meet this requirement must be reinforced to maintain the full strength of the unpunctured floor.

NOTE: Items 1-3 above, do not apply to Type A Buses less than 14,500 GVWR. For Type A buses less than 14,500 GVWR, the floor must provide adequate and firm support for seat legs and must have a minimum 1/2 inch marine grade or pressure-treated plywood, securely mounted to the floor. Basic floor construction of Type A buses must be the manufacturer's standard, meeting applicable FMVSS.

4. The floor covering must be resistant to ultraviolet light, ozone and moisture and have a minimum tensile strength of 1,200 pounds per square inch (psi) and a minimum elongation of 100 percent. Floor covering must be abrasion-resistant and slip-resistant and have a minimum coefficient of friction of 0.85 as measured under ASTM D1894 or 0.65 as measured under ASTM D2047.
5. The floor covering from the top step landing area to the emergency door (or rear seat on Type D rear engine buses) must be ribbed aisle, non-skid and wear-resistant, fire-resistant elastomer. Elastomer floor covering must meet Federal Specification ZZ-M-71d.

6. The landing area at the top of the steps must be ribbed elastomer, which must extend to the ribbed aisle floor cover. The leading horizontal edge, or nosing, must be white or yellow ribbed elastomer or other contrasting color and must have an integral 90 degree turn-down with a square leading edge matching the step treads.
7. All joints or seams in the floor covering must be covered with non-ferrous metal, minimum 1 inch wide, and the driver's compartment, except at the cowl, must have a special, approved molding. Alternate materials may be used if they provide equivalent durability. The molding must be securely attached to prevent a tripping hazard.
8. Manufacturers may use seamless one-piece floor rubber with an integral ribbed aisle meeting the requirements in 4 and 5. Aisle molding is not required when the bus is equipped with one-piece floor rubber.
9. All holes in the chassis firewall and around the transmission cover and engine housing must be adequately sealed.
10. A commercially available truck bed liner material meeting the requirements in 4 and 5 may be substituted for the required flooring material.

FUEL FILLER OPENING:

An opening of adequate size and design must be provided over fuel filler. Also see **LETTERING AND TRIM.**

GRAB HANDLE AT ENTRANCE:

A suitable grab handle or rail must be provided at the front entrance, securely mounted inside of the body. Grab handles must be made of round stainless steel, 1 inch outside diameter (OD). The grab handle and mounting must be designed to minimize the possibility of students' clothing or personal items becoming lodged or caught upon exiting the bus, in order to reduce the risk of injury or fatality to passengers from being dragged outside the bus.

INSULATION AND SEALING OF JOINTS:

The overlap of the edge of the exterior roof and side panels, and also the top edge of rub rails, must be sealed to prevent moisture, dust and other contaminants from entering the joints and the bus.

LETTERING AND TRIM:

Trim on the three rub rails below the beltline and all lettering must be black (except for stop signs). Entrance door frames, pilaster panels and other trim panels may be painted black if approved by the department. The letters of the words "SCHOOL BUS" on the top front and rear section of the bus body must be 8 inches high and correspond to the Series B, Standard Alphabet (see the [National School Transportation Specifications and Procedures, Revised 2015](#)). "(Name of District) DISTRICT SCHOOLS," on each side of the bus body at the beltline must be in 6 inch minimum letters. Private and charter schools may alternately affix the name of the school in the aforementioned format and location. Bus numbers must be in 6 inch minimum height and on each side and on the front bumper and rear of the bus body. "EMERGENCY DOOR" must be in 2 inch letters at the top or directly above the door, visible inside and outside of bus. Lettering to indicate the fuel type must be located on the body adjacent to the fuel filler opening using minimum 1 inch letters. The words "STOP WHEN RED LIGHTS FLASH" must be displayed on the back of all buses in 6 inch black letters. Also, see the lettering requirements for emergency exits, including roof hatches and push-out windows, under **EMERGENCY EXITS**. Districts may add an **American flag decal** to the exterior of the bus. If used, it must be no more than 6 x 10 inches and be located in front of the district name on the beltline of the bus. Also see United States Public Law 4USC7.

The front stop signal arm (both sides of arm) and rear stop arm (rear side only) must have a red background with a reflectorized white border; the letters "STOP" must be in 6 inch white reflectorized letters. Both sides of the front stop arm and the rear side of the rear stop arm must have reflectorized red sheeting of high-intensity material. The front side of the rear stop arm must be painted red.

NOTE: Buses must include the lettering and trim specified above, and are limited to lettering, trim, symbols, markings, and coloration specified in the [National School Transportation Specifications and Procedures, Revised 2015](#).

LICENSE HOLDER:

A license holder must be included on the left rear outside of the body, with a suitable method for mounting the license tag.

LOCKUP DEVICES:

Any emergency door equipped with a locking device must have an ignition interlock that prevents starting the engine when the door is locked, meeting requirements of FMVSS No. 217. Emergency exit windows must not be operable (under normal conditions) from outside the bus and must not be equipped with any locking device.

MIRROR SYSTEM:

1. **Interior Mirror:** Must provide adequate viewing of the entire length and width of the interior of the bus and be at least 6 x 30 inches. The mirror must meet the following requirements:
 - a. Meet or exceed American National Standards Institutes (ANSI) Z97.1 requirements for safety glazing in mobile environments and be bonded to the mirror housing.
 - b. Include a heavy-duty, single-piece mounting bracket that ensures stability.
 - c. Housing must be low-gloss black.
 - d. Incorporate a single knob (thumbwheel) adjustment to allow the driver to reposition the mirror without the use of tools.
 - e. Have a soft gasket type frame that is bonded to the housing.

NOTE: Interior mirror on Type A buses must be a minimum of 50 square inches and meet the above requirements.

2. Exterior Mirrors:

Each school bus must be equipped with a system of exterior mirrors complying with FMVSS No. 111 and meeting the following requirements:

- a. **Cross/Side-View Mirror System:** This mirror system must incorporate the following features and requirements:
 - i. Only one mirror is to be installed at each front corner of the bus.
 - ii. Mirrors must not reflect excessive glare from the bus headlights or the sun into the driver's eyes. Mirrors must be a 1/4 sphere or shaded 1/2 sphere design.
 - iii. Stainless steel or non-corrosive fasteners must be used in the construction of the mirror assembly and to hold the brackets to the body.
 - iv. Mirror stabilizer brackets on all Type C composite hoods must use through-the-fender rubber or nylon mounts with stainless steel caps to reduce mirror vibration and erosion of the hood material.
 - v. All exterior mirror fasteners, mounts and bracketry must be of non-corrosive material.
- b. **Rear Vision Mirror System:** A rear vision mirror system must be provided that incorporates the following features and requirements:
 - i. The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a single breakaway arm with a positive detent or lock.
 - ii. Each of the four required mirrors in the rear vision mirror system must be electrically operated and remotely controlled from the driver's location.
 - iii. All exterior mirror fasteners, mounts and bracketry must be stainless steel. Stainless steel or non-corrosive fasteners must be used in the construction of the mirror assembly and to hold the brackets to the body.
- c. **Overall exterior mirror system:** (cross/side-view and rear vision mirrors) must be isolated from vibration and be compliant with FMVSS No. 111.

NOISE REDUCTION PACKAGE:

A noise reduction package is required and must include full insulation of the ceiling, walls, and front and rear of the bus, including body bows and engine compartment, plus minimum 1/2 inch marine grade or pressure-treated plywood

or equivalent composite material securely mounted to the floor. Insulation material must be fire-resistant and of a type that will not harbor dampness.

PAINT AND FINISH:

All National School Bus Yellow paint must meet the [National School Transportation Specifications and Procedures, Revised 2015](#) for color and have a finished gloss rating of at least 85 at 60°F and a distinctness of image (DOI) rating of an average of at least 50, measured using the same method specified for gloss under **GENERAL INFORMATION AND WARRANTY PROVISIONS**. Paint must be applied for a total dry thickness of at least 1.8 mils over all painted surfaces. School bus roofs must be painted white in color, and must meet the gloss and DOI ratings. White paint may extend to the leading and trailing edge of the roof caps, and may extend down to the drip rails. Trim, lettering and bumpers must be black except that bumpers must be striped in accordance with [National School Transportation Specifications and Procedures, Revised 2015](#) or these specifications. Also see **GENERAL INFORMATION AND WARRANTY PROVISIONS** for warranty requirements, **LETTERING AND TRIM** and **REFLECTIVE MARKINGS**.

PANELING, INTERIOR:

Interior panel fastenings must minimize vibrations and rumble. A cove molding, which may be an extension of the body panels, must be installed covering the wall-to-floor joint beginning at the windshield post on the left side of the bus and extending along the walls around the corners to the service door on the right side. Molding must be securely fastened so that dirt will not readily work under it. The interior paneled area immediately below the window line must be aluminum-coated steel.

REFLECTIVE MARKING PACKAGE:

There must be installed a reflective marking package as specified in the [National School Transportation Specifications and Procedures, Revised 2015](#). Striping must be installed longitudinally the length of the body at the vertical location immediately below the seat level rub rails but high enough so as to clear wheel wells, whenever possible. Short breaks in the striping at rivet locations are acceptable. Reflective markings are also required for all emergency exits, as specified in FMVSS No. 217.

RUB RAILS:

1. There must be a rub rail on each side of the bus approximately at seat level, which must extend from the entrance door post around the bus body (except for emergency door) to the point of curvature near the cowl on the left side.
2. There must be rub rails located approximately at the floor line and the bottom of the outer skirt, which must cover the same longitudinal area as the upper rub rail, except at wheel housings, but extend only to the right and left corners.
3. Rub rails must be applied outside of body panels. Pressed-in or snap-in rub rails do not satisfy this requirement.

SEATING, MODESTY PANELS (RESTRAINING BARRIERS), LAP BELTS, AND WEBBING CUTTERS:

1. Passenger seats must be mounted facing forward and provide a minimum of 12.8 inches of seat width per passenger seating position. The aisle must be 12 inches wide at a minimum. This plan of body seating must be used to determine seating capacity (see **BODY DATA PLATE**).
2. Seat spacing must meet the requirements of FMVSS No. 222. The first seat on each side of all types A, C and D buses must be equipped with FMVSS No. 225-compliant child safety seat anchorage points. All 39 inch FMVSS No. 225-compliant passenger seats must be equipped with two sets of anchorage points per bench seat. All passenger seats compliant with FMVSS No. 225 with a seat width of less than 36 inches must be equipped with one set of anchorage points per bench seat.
3. All passenger seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222. The rest of the passenger seats must provide for a minimum of 24 inches of knee room.
4. Seat padding must be secured to the frame so that it will not snag. Screws and bolts used in seat back construction must not be exposed.
5. Restraining barriers and passenger seats, including the seat back and the entire bottom cushion (including underside), must be covered with vinyl-coated material. All passenger seat assemblies and barriers must meet the requirements of the [National School Transportation Specifications and Procedures, Revised 2015](#),

School Bus Seat Upholstery Fire Block Test. Upholstery material for all passenger seats and barriers must meet the following color standard +/- four delta E:

	III/ob	X	Y	Z	x	y
1	D65 Daylight	7.21	7.92	12.52	2606	2963
2	2	7.51	7.30	4.07	3978	3865
3	Rom Light	7.33	7.37	8.15	3207	3226

6. Buses must have an FMVSS-compliant padded restraining barrier in front of the forward-most passenger seat on each side of the bus. Also see Section V for restraining barrier requirements for buses equipped with wheelchair lifts. Restraining barriers at the entrance side and the driver's side must have a full-width, aluminized steel panel below the padded section extending down to the floor, except as specified under heater/defroster specifications (see **ELECTRICAL EQUIPMENT AND WIRING**).
7. All Type A school buses sold through the State of Florida school bus bid must be equipped with Type II, three-point seat belts in all passenger seating positions. These belt systems must meet the requirements of [National School Transportation Specifications and Procedures, Revised 2015](#).
8. All types C and D buses must be equipped with lap belts in all passenger seating positions, meeting the following requirements:
 - a. All belts and anchorages must comply with FMVSS Nos. 209 and 210.
 - b. Belts must be manufacturer's standard style lap belts. The nonadjustable buckle end of each belt must be the aisle-side connection point on each passenger seat.
 - c. Each two-part belt must be separately color-coded to aid in proper connection.
 - d. Any belt system with parts that can be manually disassembled without the use of tools and any system that is subject to easy vandalism shall not be approved for use in Florida school buses.
 - e. Retractable seat belts are permissible at the purchaser's option. If this system is specified, the retractors must be emergency locking type, and the retractors must be mounted below the seat bight. Seat bight is defined as the area close to and including the intersection of the surfaces of the vehicle seat cushion and the seat back.
 - f. All federal requirements supersede any of these requirements.
 - g. School districts may install restraining systems that differ from these requirements as necessary to accommodate pre-school age children and children with special needs. Such systems must comply with FMVSS Nos. 209, 210 and 213, as applicable, and must be approved by the body manufacturer.
9. All buses must also be equipped with a durable webbing cutter having a full width handgrip and a protected, replaceable blade. The required belt cutter must be mounted in a location accessible to the driver in the seated position and be easily detachable.

SERVICE DOOR:

1. The service door must be a split or jackknife type located at the right front of the bus. Doors must be securely hinged with approved heavy-duty hinges with a brass or rust-resistant rod adequately fastened to the adjoined member. Doors must have a 1 1/2 inch minimum safety gap sealed with a safety flap of approved quality. The door must extend to the bottom step and be fitted with suitable weather strip to keep water from entering the step well.
2. An air-operated entrance door must be provided on all buses equipped with air brakes. This system must have a manually operated override to enable the driver to manually open the door in the event of loss of power. Air-powered entrance doors must operate in accordance with the following table:

Ignition Switch Position	Door Switch Position	Emergency Dump Switch Position	Door Position / Status	Step Well Light Condition
Off	Any	On	Neutral	Off
Off	Any	Off	Neutral	Off
On	Closed	Off	Closed/Active	Off
On	Opened	Off	Open/Active	On
On	Closed	On	Neutral	Off
On	Opened	On	Neutral	On

3. When the key switch is in the “off” position, the air door system must not create a battery draw. All air-powered door systems must provide a rebuildable air cylinder and must operate reliably in all weather and temperature conditions. All air-powered door systems must include a method of manually adjusting the opening and closing speed and force of the doors.
4. Hydraulic brake buses must have an electrically controlled entrance door.
5. The service door must have a minimum horizontal opening of 24 inches and a minimum vertical opening of 68 inches. Immediately above the door opening there must be secured to the body panel a high-density foam rubber pad, a minimum of 3 inches in width, or an approved equal safety cushion.
6. Doors must be designed and weather strips mounted so that there is no binding or tendency for stripping to dislodge during door operation. One or two glassed-in openings must be provided in each door half with glass of same grade as specified for side windows and mounted in rubber. The bottom of the lower glass panel must not be more than 30 inches from the ground when the bus is unloaded. The top of the upper glass panel must not be more than 6 inches from the top of the door.

SIZES OF BODIES:

The height of types C and D bus bodies, from the top of the finished floor to the underside of the ceiling, at the center of the body, must be a minimum of 76 inches.

STEP WELL:

A step well of at least three steps must be built in the right front assembly, enclosed with doors extending to the bottom step. Each step must be covered with abrasion-resistant “Pebble-Top” elastomer, the base of which must be at least 3/16 inches thick, with an overall thickness of 5/16 inch bonded to a durable polymer base and otherwise constructed to provide substantial support, including the leading horizontal edge, which must be “Pebble-Top” type, and white or a color that contrasts with the step tread by at least 70 percent. The polymer backing must have an integral 90-degree turn down with a square leading edge for slip resistance. The lower (first) step height must be between 10 and 16 inches above the ground for all types A, C and D buses. Each step must be the full width of the step well at the point where the step is located. Half steps or partial steps are not acceptable.

NOTE: Two steps are acceptable on Type A buses.

STRUCTURAL DESIGN and TESTING:

1. All types A, C and D bodies must meet the requirements of FMVSS No. 221 and the requirements of the [National School Transportation Specifications and Procedures, Revised 2015](#) Side Intrusion Test.
2. Each manufacturer of types A, C or D bodies must certify that representative configurations of its buses produced to meet these specifications comply with the testing and requirements of the Colorado Racking Load Test. See **Colorado Racking Load Test** in Appendix B.
3. Each manufacturer of types A, C or D bodies must certify that representative configurations of its buses produced to meet these specifications comply with the testing and requirements of the Kentucky Pole Test. See **Kentucky Pole Test** in Appendix C.
4. All bus bodies must be constructed to be in square and level. There must be no more than 1 inch of difference from side to side at the front and rear of the bus body (not counting any chassis lean or twist). All bodies must be mounted such that all designed body contact points are in contact with the chassis frame. All bodies must be centered on the chassis within plus or minus 1/2 inch.

SUN SHIELD:

A dual sun shield system must be provided, consisting of two independently mounted sun shields. One must be mounted above the windshield and the other above the driver’s window. Each visor must have a tinted Plexiglas sun shield, minimum 6 x 24 inches, and have rounded bull-nosed perimeter edges.

NOTE: The manufacturer’s standard sun visor is acceptable on Type A buses.

VANDAL BOX, SIDE MOUNTED

There must be installed on all types C and D buses an equipment compartment on the ceiling above the driver's side window, measuring approximately 1,600 cubic inches. The compartment must have a door with a positive latch and a keyed-alike lock. No safety equipment shall be mounted inside this compartment.

WINDOWS:

1. All types A, C and D buses must have tinted glass that provides the maximum tinting allowed by federal and American National Standards Institute (ANSI) standards for the windshield, the driver's side window(s) and the service door glass. Tinted glass in all windows rear of the driver's compartment must have a light transmission of approximately 28 percent.
2. An adjustable split sash window with safety glass must be mounted in the side of the bus body between each framing post. Permanent marks showing the grade of glass must be visible.
3. Movable windows must be controlled by an approved lock having a finger-touch opener, providing for ease of operation and with no sharp projections. Window latches must be replaceable or rebuildable without disassembling the complete window frame or removing the window from the body. In addition, individual window latches or repair parts must be available and part numbers included in the required body parts catalog. Window seals and visors or drip molding must be installed and provide ample protection from leakage.
4. For ventilation, the driver's window must be adjustable and equipped with a positive latch that can be secured from the inside of bus.
5. There must be installed in the rear door two windows, one upper and one lower, installed in a waterproof manner.
6. Rear side windows located at each side of the emergency door must be installed in a waterproof manner. Glass area must be large enough to provide desirable vision to the rear and must be of the same quality and grade as side windows.

WINDSHIELD:

The front body section in the area of the windshield must provide for corner vision. Glass must be laminated safety polished plate with dark tint at top, installed in a waterproof manner and slanted to reduce glare. Glass must meet current SAE specifications and FMVSS. Light tint may be used in all Type D buses in lieu of dark tint at the top.

WINDSHIELD STEPS AND HANDLES:

A step and appropriate grab handle must be installed on each front corner of the body to facilitate cleaning the windshield. The handle must be stainless steel, chrome plated or non-ferrous metal, or may be made of non-metallic material of sufficient structural and mounting strength and resistant to weathering and deterioration, and must provide for secure mounting and adequate hand hold.

NOTE: Steps and handles are not required on Type A buses under 21,500 GVWR.

WINDSHIELD WIPERS AND WASHERS:

1. Electric windshield wipers must be standard on all buses. All wipers by design and installation must provide desirable vision for drivers. Blades and arms must be of sufficient length to clear the windshield glass in the driver's direct view. One switch must control both wipers, and the switch must be located within easy reach from driver's seat, preferably on the turn signal stalk. The system must incorporate a variable delay wipe feature to allow drivers to adjust the speed and frequency of the wipers. The wiper system must be designed to move the blades away from the driver's direct view when in the parked position.
2. Windshield washers must be electrically operated. The washer reservoir must be made of hard plastic or other approved material and have a capacity of at least 1/2 gallon. Flexible plastic bags are not acceptable.

NOTE: The manufacturer's standard windshield wipers are acceptable on Type A buses.

SCHOOL BUS BODY EXCEPTIONS

TYPE D FRONT ENGINE BODY EXCEPTIONS:

1. The distance between the restraining barrier at the rear of the entrance step well and the engine cover must be a minimum of 13 inches.
2. A step, in lieu of stirrup steps, is permitted in or on the front bumper on both sides.
3. The engine cover must provide an adequate seal to the bus floor area to keep engine fumes from entering the passenger compartment and must be insulated to retard transfer of heat and engine noise. The engine cover must be hinged and equipped with a prop rod or other device so that it can be held securely in the fully open position to allow access to the engine.

TYPE D REAR ENGINE BODY EXCEPTIONS:

1. The engine compartment must be constructed to permit servicing of the engine, having one or two doors opening at the rear and louvered, with removable panels on each side of engine compartment. The engine compartment must be sealed at top and front to retard heat transfer and prevent engine fumes from entering the passenger compartment. Provisions must be made for easy removal of the engine through the rear compartment.
2. Mud flaps must be installed at the rear of the dual wheels.
3. A step, in lieu of stirrup steps, is permitted in or on the front bumper on both sides.
4. Type D Rear Engine buses are exempted from the requirement for an additional electrical compartment for air conditioner circuitry, provided the air conditioner control boards are installed in the rear package shelf area in a covered box.
5. There must be an engine access panel underneath the rear seat of all rear engine buses designed to provide access to the engine.

OPTIONAL BODY EQUIPMENT SPECIFICATIONS

AUTOMATIC VEHICLE LOCATION AND STUDENT TRACKING SYSTEM:

There shall be an approved option for a system that uses the Global Positioning System (GPS) to determine and wirelessly report the location of the bus in approximately real time. The system may also include an additional feature that will identify individual students as they board or disembark from the bus and report the locations and times.

AUXILIARY DRIVER FAN:

There shall be an approved option for a 6 inch or header-mounted squirrel cage fan to be installed and mounted to the left side of the windshield, when possible, in a location approved by the department.

BAGGAGE COMPARTMENTS:

There shall be an approved option for baggage compartments on all bodies when available. This body option must include a lock and be keyed alike with any other body option requiring use of a key.

BATTERY DISCONNECT SWITCH LABELING:

There shall be an approved option for a label to be placed on the exterior of the bus on the cover of the compartment housing the battery disconnect switch. The label background must be white with red one-inch letters with the wording "MAIN BATTERY DISCONNECT."

BUS LOCKUP SYSTEM:

There shall be an approved option whereby a bus can be locked at the emergency door as well as the entrance door. An ignition interlock is required for the emergency door to prevent starting the bus if the emergency door or rear window (on RE units) is locked. This body option must be keyed alike with any other body option requiring use of a key.

CEILING PANELS:

There shall be an option for full width perforated interior ceiling panels extending from the rear header panel forward to at least the front of the engine compartment.

DRIVER'S SEAT WITH INTEGRATED SEAT BELT:

There shall be an approved option for a driver's seat with a seat belt integrated into the seat back, meeting the requirements of DRIVER'S SEAT AND SEAT BELT in this section.

EXTERIOR LIGHT MONITOR:

A system of monitoring exterior lights on the front and rear of the bus from the driver's seated position is approved as an option. Such systems must include:

1. Student Warning Lamps, both RED and AMBER, front and rear
2. Tail Lamps
3. Backup Lamps
4. Rear Turn Signal Lamps
5. Stop Lamps

A system that monitors only electrical circuits and does not indicate whether the bulb is operational is not acceptable.

FUEL SUPPLY LOCK:

A lock with two keys may be installed in the fuel supply service door of the body skirt. This body option must be keyed alike with any other body option requiring use of a key.

INFANT SEATING:

There shall be an approved option for passenger seating designed to safely transport newborns, infants or toddlers, meeting all applicable FMVSS. Such seats may include, C.E. White Child Restraint Seats and other systems as approved by the department.

INTERIOR OVERHEAD STORAGE COMPARTMENTS (MFSAB ONLY):

There shall be an approved option for interior overhead storage compartments that meet the following criteria:

1. Head protection requirements of FMVSS No. 222, School Bus Passenger Seating and Crash Protection, where applicable;
2. Be completely enclosed and equipped with latching door (both door and latch sufficient to withstand a pushing force of 50 pounds applied at the inside center of the door);
3. Have all corners and edges rounded, with a minimum radius of one inch, or be padded equivalent to door header padding;
4. Be attached to the bus sufficiently to withstand a force equal to 20 times the maximum rated capacity of the compartment; and
5. Have no protrusions greater than 1/4 inch.

The driver's area forward of the foremost padded barriers will permit the mounting of required safety equipment and vehicle operation equipment.

POWDER-COATED WINDOW FRAMES:

There shall be an approved option for electrostatically powder-coated black window frames on all types of buses to reduce friction and improve ease of operation of passenger side windows.

PUBLIC ADDRESS SYSTEM (P.A.), RADIO:

There shall be an approved option for a public address system/AM/FM stereo radio with four speakers inside the bus and one heavy-duty weatherproof P.A. speaker outside the bus. This option must have controls to permit the driver to select inside or outside speakers, mounted in the driver's compartment so that all controls are readily accessible to the driver from the normal seated position. Interior speakers must be flush-mounted. Outside speaker must be mounted under the hood or in another protected location at the front of the bus. An AM/FM stereo radio with four speakers may be offered separately. No internal speakers other than those used for the driver's communication system may be installed within four feet of the back of the driver's seat when the seat is in its rearmost upright position.

REAR HEATER:

There shall be an approved option for an additional heater mounted to provide heat in the rear of the body. This option must be installed under a passenger seat or must otherwise be protected to eliminate damage to the unit and injury to the students.

RED LIGHT ABOVE EMERGENCY DOOR:

There shall be an approved option for a small red light to be mounted above the emergency door on the interior of the bus that is activated when the clearance lights are on.

THREE-POINT SEAT BELTS AND THREE-POINT SEAT BELT SEATS:

There shall be an approved option for three-point seat belts in two and three passenger three-point seat belt seats, as approved by the department.

SECTION IV

POWER LIFT EQUIPPED SCHOOL BUS

MINIMUM SPECIFICATIONS

INTRODUCTION AND GENERAL REQUIREMENTS FOR EXCEPTIONAL CHILD BUSES:

Exceptional child bus body structure and equipment must conform to the regular bus body specifications in Section III and must meet the additional requirements of this section. All school buses equipped with wheelchair lifts must meet or exceed the requirements of FMVSS Nos. [403](#) and [404](#), the [National School Transportation Specifications and Procedures, Revised 2015](#) and all requirements listed herein, which prevail in the event of a conflict.

DEFINITION:

An exceptional child bus is any school bus that is designed, equipped and/or modified to accommodate students with special transportation needs requiring a power lift.

GENERAL REQUIREMENTS:

Exceptional Child specially equipped school buses shall comply with the [National School Transportation Specifications and Procedures, Revised 2015](#) and with the FMVSS applicable to their GVWR category.

Any school bus to be used for the transportation of children who use a wheelchair or other mobile positioning device, or who require life-support equipment that prohibits use of the regular service entrance, shall be equipped with a power lift.

AISLES:

All school buses equipped with a power lift shall provide a minimum 30-inch pathway leading from any wheelchair position to at least one 30-inch wide emergency exit door. A wheelchair securement position shall never be located directly in front of (blocking) a power lift door location.

GLAZING:

Tinted glazing may be installed in all doors, windows and windshields consistent with federal, state and local regulations.

IDENTIFICATION:

Exceptional child specially equipped school buses shall display the International Symbol of Accessibility below the window line pursuant to appendix A-1 and A-2. Such emblems shall be white on blue background, shall not exceed 12 inches square in size and shall be of a high-intensity retroreflective material.

PASSENGER CAPACITY RATING:

In determining the capacity of a school bus for purposes other than actual passenger load (e.g., vehicle classification or various billing/reimbursement models), any location in a school bus intended for securement of a wheelchair during vehicle operation shall be regarded as four designated seating positions, and each lift area shall count as four designated seating positions.

POWER LIFTS:

1. The power lift shall be located on the right side of the bus body only.
2. Vehicle lifts and installations shall comply with the requirements set forth in:
 - a. [FMVSS No. 403](#), Platform Lift Systems for Motor Vehicles; and
 - b. [FMVSS No. 404](#), Platform Lift Installations in Motor Vehicles.
3. Design loads: The design load of the lift shall be at least 800 pounds. Working parts, such as cables, pulleys and shafts, which can be expected to wear, and upon which the lift depends for support of the load, shall have a safety factor of at least six, based on the ultimate strength of the material. Non-working parts, such as

platform, frame and attachment hardware that would not be expected to wear, shall have a safety factor of at least three, based on the ultimate strength of the material.

4. Lift capacity: The lifting mechanism and platform shall be capable of operating effectively with a wheelchair and occupant mass of at least 800 pounds.
5. Documentation: The following information shall be provided with each vehicle equipped with a lift:
6. A phone number where information can be obtained about installation, repair and parts. (Detailed written instructions and a parts list shall be available upon request.)
7. Detailed instructions regarding use of the lift shall be readily visible when the lift door is open, including a diagram showing the proper placement and positioning of wheelchair/mobility aids on the lift.
8. Training materials: The lift manufacturer shall make training materials available to ensure the proper use and maintenance of the lift. These may include instructional videos, classroom curriculum, system test results or other related materials.
9. Identification and certification: Each lift shall be permanently and legibly marked or shall incorporate a non-removable label or tag that states it conforms to all applicable requirements of the current National School Transportation Specifications and Procedures. In addition, and upon request of the original titled purchaser, the lift manufacturer or an authorized representative shall provide a notarized Certificate of Conformance, either original or photocopied, which states that the lift system meets all the applicable requirements of the current National School Transportation Specifications and Procedures.

REGULAR SERVICE ENTRANCE:

1. On power lift-equipped vehicles, steps shall be the full width of the step well, excluding the thickness of the doors in the open position.
2. In addition to the handrail required in section III, an additional handrail is required on all specially equipped school buses. This handrail shall be located on the opposite side of the entrance door from the handrail required in section III and shall meet the same requirements for handrails.

RESTRAINING DEVICES:

1. On power lift-equipped school buses with a GVWR of 10,000 pounds or more, seat frames may be equipped with attachment points to which belt assemblies can be attached for use with child safety restraint systems (CSRSs) that comply with [FMVSS No. 213](#), Child Restraint Systems.
2. Any belt assembly anchorage shall comply with [FMVSS No. 210](#), Seat Belt Assembly Anchorages.
3. Alternatively, a child restraint anchorage system that complies with [FMVSS No. 225](#), Child Restraint Anchorage Systems, may be installed.
4. Seat belt assemblies shall conform to [FMVSS No. 209](#), Seat Belt Assemblies.
5. Child safety restraint systems, which are used to facilitate the transportation of children who in other modes of transportation would be required to use a child, infant or booster seat, shall conform to [FMVSS No. 213](#).

SEATING ARRANGEMENTS:

1. Flexibility in seat spacing to accommodate special devices shall be permitted to meet passenger requirements.
2. All seating shall meet the requirements of [FMVSS No. 222](#), School Bus Passenger Seating and Crash Protection.

SECUREMENT AND RESTRAINT SYSTEM FOR WHEELCHAIRS AND WHEELCHAIR-SEATED OCCUPANTS:

1. For purposes of understanding the various aspects and components of this section, the terms securement, tie down, securement system, and tie down system are used exclusively in reference to the devices that anchor the wheelchair to the vehicle.
2. The terms restraint and restraint system are used exclusively in reference to the equipment that is intended to limit the movement of the wheelchair occupant in a crash or sudden maneuver.
3. The term wheelchair tie down and occupant restraint system (WTORS) is used to refer to the total system that secures the wheelchair and restrains the wheelchair occupant.

WHEELCHAIR TIE DOWNS OCCUPANT RESTRAINT SYSTEMS (WTORS)

GENERAL REQUIREMENTS:

1. A WTORS installed in specially equipped school buses shall be designed, installed and operated for use with forward-facing wheelchair-seated passengers and shall comply with all applicable requirements of [FMVSS No. 222](#), School Bus Passenger Seating and Crash Protection, and [SAE J2249](#), WTORS for Use in Motor Vehicles.
2. The WTORS, including the anchorage track, floor plates, pockets or other anchorages, shall be provided by the same manufacturer or shall be certified to be compatible by manufacturers of all equipment/systems used.
3. Wheelchair securement positions shall be located such that wheelchairs and their occupants do not block access to the lift door.
4. A device for storage of the WTORS shall be provided. When the system is not in use, the storage device shall allow for clean storage of the system, shall keep the system securely contained within the passenger compartment, shall provide reasonable protection from vandalism and shall enable the system to be readily accessed for use.
5. The WTORS, including the storage device, shall meet the flammability standards established in [FMVSS No. 302](#), Flammability of Interior Materials.
6. The following information shall be provided with each vehicle equipped with a securement and restraint system:
 - a. A phone number where information can be obtained about installation, repair and parts. (Detailed written instructions and a parts list shall be available upon request.)
 - b. Detailed instructions regarding use, including a diagram showing the proper placement of the wheelchair/mobility aids and positioning of securement devices and occupant restraints, including correct belt angles.
7. The WTORS manufacturer shall make training materials available to ensure the proper use and maintenance of the WTORS. These may include instructional videos, classroom curriculum, system test results or other related materials.

WHEELCHAIR SECUREMENT/TIE DOWN:

1. Each wheelchair position in an exceptional child bus shall have a minimum clear floor area of 30 inches laterally by 48 inches longitudinally pursuant to [FMVSS No. 222](#), S5.4.1 and S5.4.2.
2. Additional floor area may be required for some wheelchairs. Consultation between the user and the manufacturer is recommended to ensure that adequate area is provided.

OCCUPANT RESTRAINT SYSTEM:

If the upper torso belt anchorage is higher than 44 inches measured from the vehicle floor, an adjustment device, as part of the occupant restraint system, shall be supplied (See [FMVSS No. 222](#), S5.4.3 and S5.4.4.).

SPECIAL LIGHT:

Doorways in which lifts are installed shall be equipped with an LED light that provides a minimum of 20 lumens of illumination on the floor of the bus immediately adjacent to the lift during lift operation.

SPECIAL SERVICE ENTRANCE:

1. Power lift-equipped bodies shall have a special service entrance to accommodate the power lift.
2. The special service entrance and door shall be located on the right side of the bus and shall be designed so as not to obstruct the regular service entrance.
3. The opening may extend below the floor through the bottom of the body skirt.
4. If such an opening is used, reinforcements shall be installed at the front and rear of the floor opening to support the floor and give the same strength as other floor openings. A drip molding shall be installed above the special service entrance to effectively divert water from the entrance.
5. Door posts and headers at the special service entrance shall be reinforced sufficiently to provide support and strength equivalent to the areas of the side of the bus not used for the special service entrance.

SPECIAL SERVICE ENTRANCE DOORS:

1. A single door or double doors may be used for the special service entrance.
2. A single door shall be hinged to the forward side of the entrance unless this would obstruct the regular service entrance. If the door is hinged to the rearward side of the doorway, the door shall use a safety mechanism that will prevent it from swinging open should the primary door latch fail. If double doors are used, the system shall be designed to prevent the door(s) from being blown open by the aerodynamic forces created by the forward motion of the bus, and/or shall incorporate a safety mechanism to provide secondary protection should the primary latching mechanism(s) fail.
3. All doors shall have positive fastening devices to hold them in the “open” position when the special service entrance is in use.
4. All doors shall be weather-sealed.
5. When manually operated dual doors are provided, the rear door shall have at least a one-point fastening device to the header. The forward-mounted door shall have at least three one-point fastening devices. One shall be to the header, one to the floor line of the body, and the other shall be into the rear door. The door and hinge mechanism shall have strength that is greater than, or equivalent to, the strength of the emergency exit door.
6. Door materials, panels and structural components shall have strength equivalent to the conventional service and emergency doors. Color, rub rail extensions, lettering and other exterior features shall match adjacent sections of the body.
7. Each door shall have windows set in a waterproof manner that are visually similar in size and location to adjacent non-door windows. Glazing shall be of the same type and tinting (if applicable) as standard fixed glass in other body locations.
8. Door(s) shall be equipped with a device that will actuate an audible or visible signal located in the driver’s compartment when the door(s) is not securely closed and the ignition is in the “on” position.
9. A switch shall be installed so that the lift mechanism will not operate when the lift platform door(s) is closed.
10. Special service entrance doors shall be equipped with padding at the top edge of the door opening. The padding shall be at least three inches wide and one inch thick and shall extend the full width of the door opening.
11. Power lift LED landing light is required on the exterior of the bus to provide illumination for lift operation.

SUPPORT EQUIPMENT AND ACCESSORIES:

1. In addition to the webbing cutter required in section III, each power lift equipped bus that is set up to accommodate wheelchairs with webbing attached shall contain an additional webbing cutter properly secured in a location to be determined by the purchaser. The webbing cutter shall meet the requirements listed in section III.
2. Special equipment or supplies that are used in the bus for mobility assistance, health support or safety shall meet local, federal and engineering standards that may apply, including requirements for proper identification. Equipment that may be used for these purposes includes, but is not limited to:
 - a. Wheelchairs and other mobile seating devices. (See subsection on Securement and Restraint System for Wheelchairs and Wheelchair-seated Occupants.)
 - b. Crutches, walkers, canes and other ambulating devices to assist ambulation.
 - c. Medical support equipment. This may include respiratory devices, such as oxygen bottles (which should be no larger than 38 cubic feet for compressed gas) or ventilators. Tanks and valves should be located and positioned to protect them from direct sunlight, bus heater vents or other heat sources. Other equipment may include intravenous and fluid drainage apparatus.
3. Each exceptional child bus that is set up to accommodate wheelchairs or other assistive restraint devices should be equipped with an emergency evacuation device that is certified and tested to withstand at least a 300-pound load when used as an emergency stretcher or drag. This evacuation device shall be properly secured to the bus in a location to be determined by the purchaser.
4. If transporting oxygen, refer to AMD Standard 003 available online at <http://www.safeambulances.org/wp-content/uploads/2018/04/2014-AMD-Standards-001-027.pdf> for oxygen tank retention requirements.

RESTRAINING BARRIERS WITH MODESTY PANELS:

1. There must be a padded restraining barrier with a modesty panel located immediately rearward of the lift if there are wheelchair spaces or regular seating located rearward of the lift and on the same side of the bus.
2. There must be a padded restraining barrier with a modesty panel meeting FMVSS spacing requirements located forward of all passenger seats that do not have another seat properly spaced in front of them.
3. There must be a padded restraining barrier or seat in front of any wheelchair position unless it is contiguous with and behind another wheelchair position.
4. The forwardmost restraining barrier on both sides of the bus must have a full width aluminized modesty panel extending to the floor. If the right front of the passenger area immediately behind the stepwell is not equipped with a restraining barrier due to placement of the wheelchair lift in that location, it must be equipped with a padded stanchion from floor to ceiling with an aluminized modesty panel.

POWER LIFT EQUIPPED SCHOOL BUS OPTIONAL EQUIPMENT SPECIFICATIONS

STRAIGHT FLOOR / FLAT FLOOR:

1. There shall be an approved option on any size bus, when available, for an unobstructed straight floor design (i.e., no wheel wells and no step-up at the rear of the driver's compartment). Minimum headroom of types C and D buses equipped with this option must remain 76 inches as per standard body specifications.
2. There shall be an approved option on any size bus, when available, for an unobstructed flat floor design in the passenger compartment. If this option uses a raised floor that is stepped up behind the driver's area, the forward edge of the aisle must have a white stripe and be labeled "Step Up" as viewed upon entering the aisle, and a "Step Down" label must be visible upon exiting the aisle.
3. Minimum headroom of types C and D buses equipped with this option must remain 76 inches as per standard body specifications.
4. The bus must be equipped with 39-inch seats except for locations where lift bus specifications require a 30-inch aisle.

TRACK SEATING:

1. There shall be an approved option for a track-mounted seating system using button track (L track) and a wheelchair securement system meeting Florida Specifications that mounts into the track-seating track.
2. The overhead track for the shoulder harness attachment must be present at every possible wheelchair position.
3. The bus must be equipped with 39-inch seats, except when lift bus specifications require a 30-inch aisle.
4. All floor tracking must be anodized aluminum or other material of equal strength that will resist corrosion in Florida's environment.
5. This option must include additional options, as follows:
 - a. Purchase of individual track seating seats;
 - b. Delete a seat, add a wheelchair position with wheelchair tie-downs; and
 - c. Delete a wheelchair position (tie-downs), and add a standard seat.

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SECTION V

AIR CONDITIONER SPECIFICATIONS

PERFORMANCE SPECIFICATIONS:

The installed air conditioner system must meet the high performance standards as described in [National School Transportation Specifications and Procedures, Revised 2015](#). Performance test reports shall be made available upon request by the purchasing district or the department.

SYSTEM REQUIREMENTS FOR ALL BUSES:

Evaporators and Ducting:

1. Air intake for any evaporator assembly (ies), except for the front evaporator of Type A buses, must be equipped with replaceable air filter(s) accessible without disassembly of evaporator case.
2. No portion of the air conditioner system may block the driver's view through any window except that vertical covering in the rear corners of the bus interior for hoses and/or wiring may intrude on the rear quarter window by no more than two inches.

Controls, Wiring, Hoses, and Miscellaneous Hardware:

All system operating controls, including on-off switches, blower switches and thermostat controls must be accessible to the driver in a seated position.

Body:

1. All Type C and Type D front-engine buses equipped with air conditioners must also be equipped with a compartment mounted next to the battery box with external access for mounting circuit breakers and control circuitry for the air conditioner.
2. Type D rear-engine buses are exempted from the requirement for an additional electrical compartment for air conditioner circuitry provided the air conditioner control boards are installed in the rear package shelf area in a covered box.

NOTE: Control boards may optionally be mounted inside the bus within the evaporator case or behind the dash on all Type C and Type D buses. Any control boards mounted inside the bus must be easily accessible.

Warranty and Serviceability:

Warranty - Air conditioner compressor applications must be approved in writing by the chassis engine manufacturer, stating that the installation will not void or reduce the engine manufacturer's warranty or extended service coverage liabilities in any way. Also see **GENERAL INFORMATION AND WARRANTY PROVISIONS**.

Serviceability:

All components requiring periodic servicing must be readily accessible for servicing including, but not limited to, the following:

1. Refrigerant service ports;
2. Sight glasses, which must be directly visible;
3. Any manually resettable circuit breakers;
4. Evaporator air filters – removable and serviceable; and
5. All major component serial numbers must be readily visible.

Parts and Service Manuals:

A comprehensive operator's, maintenance and parts manual(s) must be provided for the entire system, or available via Internet access from the manufacturer's website for each A/C system purchased. Parts manuals must be designed so that all replaceable parts are illustrated by line drawings and such parts are numbered on the illustration, with a part description on a separate list under the corresponding part number. Part descriptions should be annotated appropriately with the part number, a proper description (part name) and the quantity required for the application listed in the drawings. The service manual or manufacturer's website must also include an overall A/C system diagram with component plumbing, locations and identities indicated for diagnostic purposes.

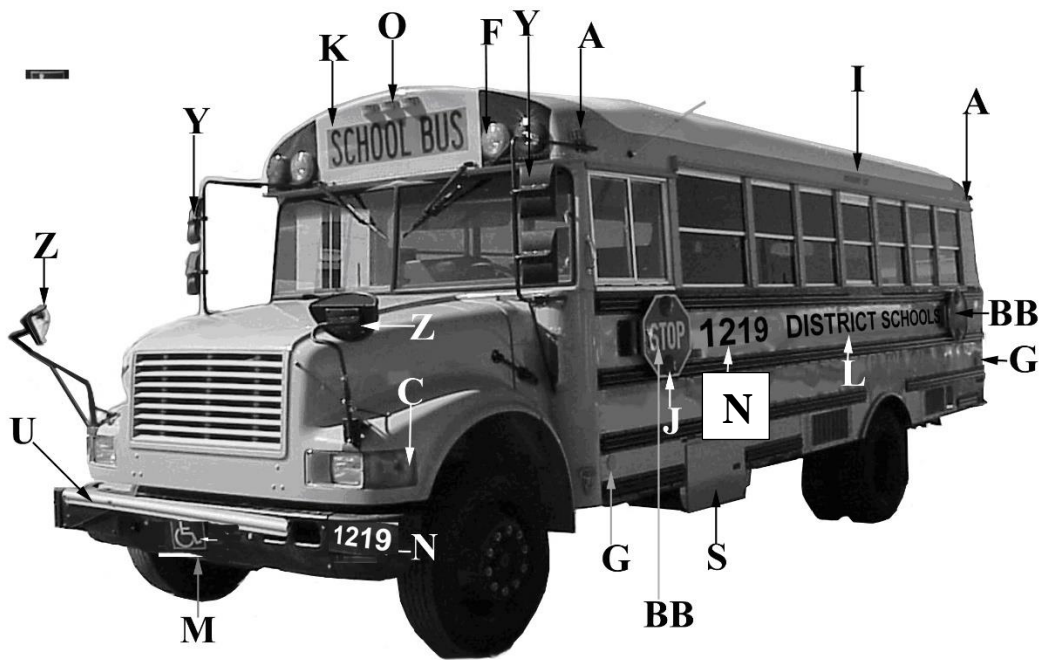
Parts and Tools Availability:

1. All system parts and required special service tools must be readily available, and a list of suppliers must be provided to each school district shop purchasing that brand of air conditioner.
2. Suspension Capacity and Ground Clearance - Ground clearance at the lowest point of the air-conditioning system must be no less than the ground clearance of the bus at the step well.
3. Air conditioner system manufacturer must provide information and data, as needed, to assist in establishing chassis engine performance requirements and in determining chassis electrical components or specifications that may be needed to accommodate the additional electrical demands imposed by the air-conditioning system.

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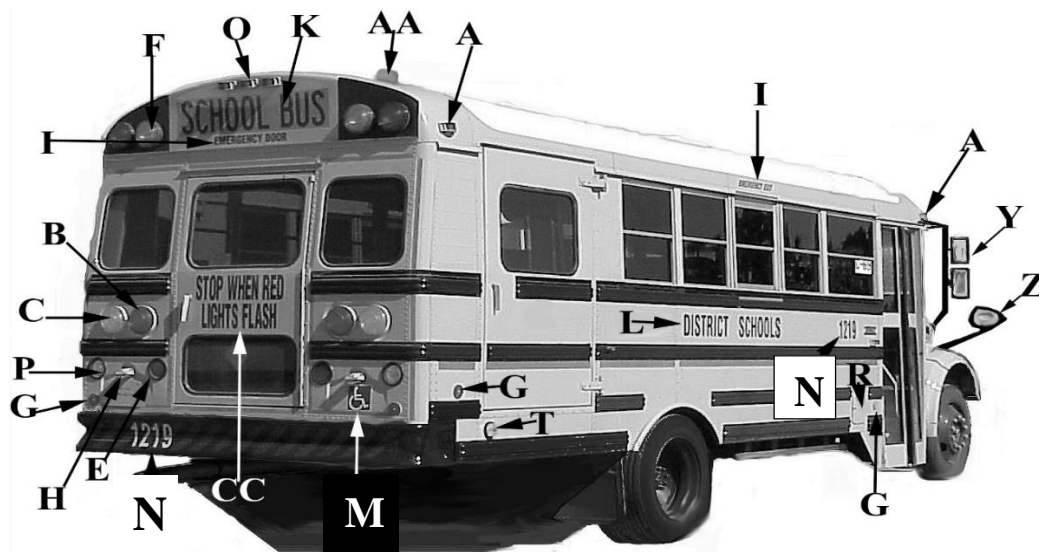
APPENDIX A

**MINIMUM LETTERING
AND LIGHTING
REQUIREMENTS**



MINIMUM LETTERING AND LIGHTING REQUIREMENTS:

A	LED Clearance Lights	L	(Name of District) District Schools, Each Side, Belt Line. 6 inch lettering
BB	Octagonal Stop Arm	M	Universal Handicapped Symbol, Wheelchair Lift Equipped Buses, Can be placed anywhere on the front bumper. 6 inches by 6 inches minimum
C	LED Front Turn Signals, (amber lenses)	N	Bus Numbers, 6 inch lettering
F	LED Pupil Warning Lights, Side By Side Amber and Red, Flat Back Design	O	LED Identification Lamps
G	Reflectors	S	Battery Disconnect Switch Decal (optional)
I	Emergency Exit, 2 inch lettering	U	Pupil Crossing Arm
J	Double-Faced Flashing Red LED Lights	Y	Rear View Mirror System
K	SCHOOL BUS, Front And Rear, 8 inch lettering on retro-reflective yellow background	Z	Cross/Side View Mirror System



MINIMUM LETTERING AND LIGHTING REQUIREMENTS:

A	LED Clearance Lights	N	Bus Numbers, 6 inch lettering
B	Seven-inch LED Brake/Tail Lights	M	Universal Handicapped Symbol, Wheelchair Lift Equipped Buses, minimum 6 inches by 6 inches
C	Seven-inch LED Turn Signals (amber lenses)	O	LED Identification Lamps
E	Four-inch LED Stop / Tail Lights	P	LED Back-up Lights
F	LED Pupil Warning Lights, Side By Side Amber and Red, Flat Back Design	R	Fuel Door, 1 inch letters
G	Reflectors	T	Wheelchair Lift LED Landing Light
H	LED License Plate Lamp	Y	Rear View Mirror System
I	Emergency Exit Signs, 2 inch lettering	Z	Cross/Side View Mirror System
K	SCHOOL BUS, Front and Rear, 8 inch lettering on retro-reflective yellow background	AA	Roof-mounted White Flashing LED Strobe Light
L	(Name of District) District Schools (each side, belt line) 6 inch letters	CC	Rear Door Lettering, 6 inch lettering

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APPENDIX B

COLORADO RACKING LOAD TEST

COLORADO RACKING LOAD TEST

The Colorado Racking Test shall be required on or before the acceptance date of the first bus of the respective configuration.

TEST PROCEDURE:

In addition to complying with the test procedures described in FMVSS No. 220, the body manufacturers shall record and report the downward vertical movement of the force at 0, 25, 50, 75 and 100 percent of the maximum force (both loading and unloading). The expected force deflection curve is illustrated schematically in Figure 1a. Low load nonlinearities may indicate joint deformation; high load nonlinearities may indicate yielding in structural members.

A second load cycle shall be performed following the procedure given in the first paragraph. The expected force-deflection curve is illustrated schematically in Figure 1b. Any hysteresis following the initial shakedown will be revealed by this second cycle.

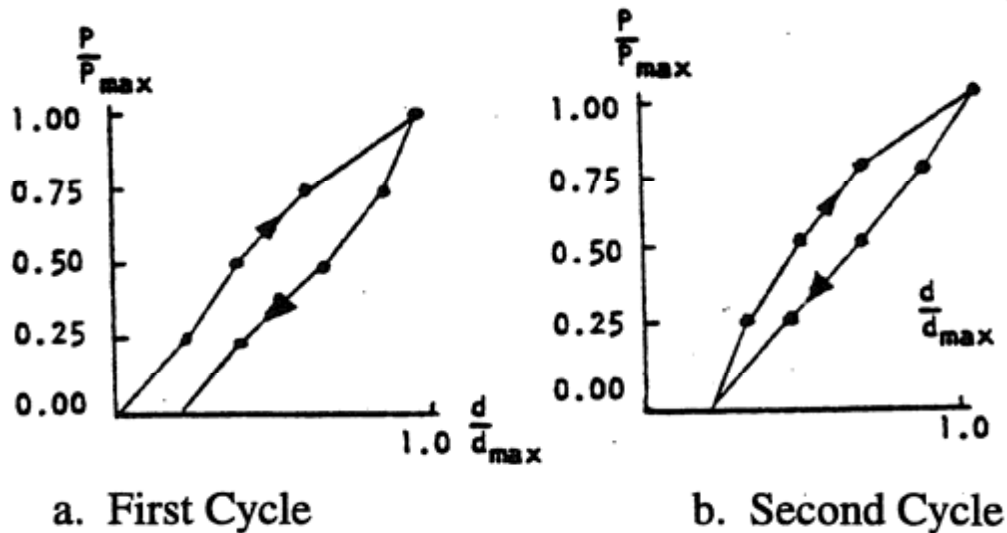


Figure 1. Static Load Test Load-Deflection Curves

A diagonal (racking) load test must be performed on types A, B, C and D school buses to assure adequate shear stiffness and strength of the bus body. Details of the test are provided below:

A two-cycle loading sequence shall be conducted following the described procedure.

(a) Requirements: When a force equal to 1 1/2 times the gross vehicle weight (GVW) is applied to the edge of the roof of the vehicle's body structure through a force application plate, as specified in Test Procedures (b):

1. The diagonal movement of the force at any point on the application plate shall not exceed 5 1/8 inches; and

2. Each emergency exit of the vehicle provided in accordance with FMVSS No. 217 shall be capable of operation as specified in that standard during the full application of the force and after release of the force.

(b) Test Procedures: Each vehicle shall be capable of meeting the requirements of (1) and (2) when tested in accordance with the procedures set forth below.

1. The vehicle shall be supported on a rigid surface along the lower edge of the frame or along the body sills in the absence of a frame.
2. The load shall be applied through a force application plate that is flat and rigid. The dimensions of the plate shall be chosen to assure that the plate edges never make contact with the vehicle skin during testing. A typical width is 18 inches, and a typical length is 20 inches less than the length of the vehicle's roof measured along its longitudinal centerline.
3. Place the force application plate in contact with the edge of the vehicle roof. Orient the plate so that its flat, rigid surface is perpendicular to a diagonal line connecting the most distant points on an interior cross-section of the vehicle. The rear edge of the plate shall be positioned approximately 20 inches from the rear edge of the vehicle roof. A temporary stand may be used to support the plate until a force is applied.
4. Apply an evenly distributed force in a diagonally downward direction through the force application plate at any rate not more than 0.5 inch per second, until a force of 500 pounds has been applied.
5. Apply additional force in a diagonally downward direction through the force application plate at a rate of not more than 0.5 inch per second until the force specified in (a) has been applied, and maintain this application of force.
6. Measure the diagonal movement of any point on the force application plate that occurred during the application of force in accordance with (b)(5), and open the emergency exits as specified in (a)(2).
7. Release all diagonal force applied through the force application plate, and operate the emergency exits as specified in (a)(2).

(c) Test Conditions: The following conditions apply to the requirements specified in (3).

1. Temperature: The ambient temperature is between 32 degrees F and 90 degrees F.
2. Windows and Doors: Vehicle windows, doors, and emergency exits are in the fully-closed position, and latched but not locked.

(d) An alternative method of testing for the racking load test shall be as follows:

The racking load shall be applied along a line connecting the most distant points on a transverse cross-section of the bus interior. It produces a shear distortion of the cross-section, as shown in figure 2.

A representative method of loading that employs a hydraulic jack to load a two-frame test assembly is illustrated in figure 2.

The maximum jack load for the two-frame assembly is determined by the following formula:

$$J = 2P \quad J - \text{maximum jack load for two-frame test assembly}$$
$$P = \text{load/frame}$$

where $P = \text{Dynamic Vehicle Weight (DVW) divided by } N$
DVW - dynamic vehicle weight
 N - total number of bus body frames

and $DVW = DF \times GVW$
DF - dynamic factor, not less than 1.5
GVW - gross vehicle weight

Thus, for a $DF = 1.5$, a $GVW = 22,000$ pounds-force (lbf) and $N = 11$, the dynamic vehicle weight is $DVW = 33,000$ lbf, the load/frame is $P = 3000$ lbf and the maximum jack load is $J = 6000$ lbf.

When a complete bus body is rack-loaded, the total load DVW must be distributed uniformly along the bus body. This may be accomplished by mounting a series of hydraulic jacks along the length of the bus interior. Seats may be removed to facilitate jack mounting. The rack load will be considered to be uniformly distributed when the variation in the hydraulic jack readings is less than 10 percent. A maximum load is the sum of all jack readings and shall equal DVW.

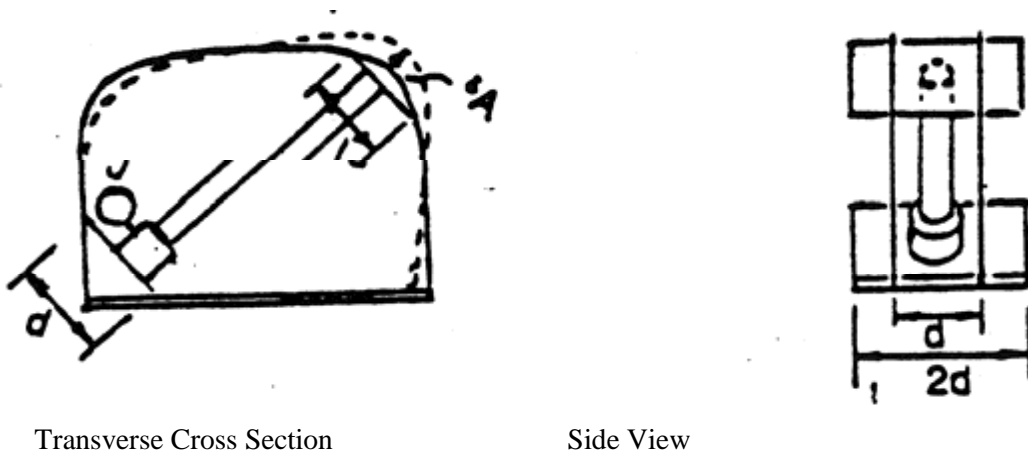


Figure 2. Arrangement of Hydraulic Jack for Rack-Loading of Two-Frame Assembly

The test may be performed on a complete bus body or on a representative section composed of at least two complete frames (body posts plus roof bows) and floor. Standard seats may be installed in the test section in a manner identical to that of the full bus body. Fabrication procedures for the test assembly shall be identical to those used in normal bus body production.

A two-cycle loading sequence shall be conducted, with intermediate and final load and deflection readings recorded, according to the procedure described.

The maximum deflection in line with the jack (A, maximum) shall not exceed 4 inches.

Manufacturer shall specify which testing method was used and submit appropriate certification information.

APPENDIX C

KENTUCKY POLE TEST PROCEDURES

KENTUCKY POLE TEST

The Kentucky Pole Test shall be required on or before the acceptance date of the first bus of the respective configuration.

TEST PROCEDURE:

The body shall be impacted at any point along the roof line on the outside surface, using an 8 inch diameter cylinder, 48 inches long, at a 30 to 45 degree angle, 1 to 3 inches above the top window line. The cylinder shall impact the roofline with the 48 inches dimension in a vertical plane with a force not to exceed 10 inches maximum to 8 inches minimum penetration of the body panels into the passenger compartment after impact.

The manufacturer shall submit appropriate certification information.

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FLORIDA DEPARTMENT OF EDUCATION
RICHARD CORCORAN, COMMISSIONER

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Ben Gibson
Tom Grady
Michael Olenick
Joe York

December 10, 2019

Mr. Chris Rustman, President
Florida Transportation Systems, Inc.
7703 Industrial Lane
Tampa, Florida 33637

Dear Mr. Rustman:

Based on your October 23, 2019, response to Invitation to Bid (ITB) No. 2020-16, the Florida Department of Education (FDOE) would like to offer your company a contract to furnish Types A, C and D complete school buses, Multi-function School Activity Buses and optional equipment. Attached is a list of the units and prices for each awarded bus configuration.

Please send a performance bond or cashier's check in the amount of \$750,000, made out to "Florida Department of Education and Purchasing School Districts," guaranteeing performance for units of all types manufactured under this contract to: Office of the Comptroller, Matt Kirkland, 325 West Gaines Street, Suite 914, Tallahassee, Florida 32399-0400.

In addition, please respond in writing accepting this bid and sign and return the original contract form included in the ITB. Assuming receipt of your performance bond and acceptance of this contract, FDOE will process purchase orders received from eligible users of the contract from January 1, 2020, through December 31, 2021.

Should you have any questions, please contact Director of School Transportation, Robert Manspeaker at Robert.Manspeaker@fldoe.org or 850-245-9795.

Sincerely,

Suzanne Pridgeon

Attachment

cc: Mark Eggers, Assistant Deputy Commissioner, Finance and Operations
Matt Kirkland, Chief Comptroller
Robert Manspeaker, Director, School Transportation Management
Janice Brown, Director, Contracts, Grants and Procurement

Suzanne Pridgeon
Deputy Commissioner, Finance and Operations

ITB 2020-16 AWARDS

Base Bus Comparison
TYPE A
TYPE A: 18 Capacity/ GM Chassis
TYPE A: 18 Capacity with Lift/ GM Chassis
TYPE A: 27 Capacity
TYPE A: 27 Capacity with Lift
TYPE A: 29 Capacity
TYPE A: 29 Capacity with Lift
TYPE C
TYPE C LIGHT: 29 Capacity
TYPE C LIGHT: 29 Capacity with Lift
TYPE C: 29 Capacity
TYPE C: 29 Capacity with Lift
TYPE C: 47 Capacity
TYPE C: 47 Capacity with Lift
TYPE C: 65 Capacity
TYPE C: 65 Capacity with Lift
TYPE C: 71 Capacity
TYPE C: 71 Capacity with Lift
TYPE C: 77 Capacity
TYPE C: 77 Capacity with Lift
TYPE D
TYPE D FRONT ENGINE (FE): 71 Capacity
TYPE D FRONT ENGINE (FE): 71 Capacity with Lift
TYPE D FRONT ENGINE (FE): 77 Capacity
TYPE D FRONT ENGINE (FE): 77 Capacity with Lift
TYPE D FRONT ENGINE (FE): 83 Capacity
TYPE D FRONT ENGINE (FE): 83 Capacity with Lift
TYPE D FRONT ENGINE (FE): 89 Capacity
TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
TYPE D REAR ENGINE (RE): 72 Capacity
TYPE D REAR ENGINE (RE): 72 Capacity with Lift
TYPE D REAR ENGINE (RE): 78 Capacity
TYPE D REAR ENGINE (RE): 78 Capacity with Lift
TYPE D REAR ENGINE (RE): 84 Capacity
TYPE D REAR ENGINE (RE): 84 Capacity with Lift
TYPE D REAR ENGINE (RE): 89 Capacity
TYPE D REAR ENGINE (RE): 89 Capacity with Lift

BLUE BIRD
Florida Transportation Systems, Inc.
Bid School Bus Price \$\$
\$ 63,192
Not Awarded
Not Awarded
Not Awarded
\$ 67,635
Not Awarded
Florida Transportation Systems, Inc.
Bid School Bus Price \$\$
No Bid
No Bid
\$ 86,943
\$ 94,287
\$ 89,510
\$ 95,709
\$ 91,687
\$ 96,621
\$ 90,632
\$ 96,909
\$ 91,070
\$ 100,566
Florida Transportation Systems, Inc.
Bid School Bus Price \$\$
\$ 105,616
\$ 109,873
\$ 111,849
\$ 116,086
\$ 112,543
\$ 117,096
No Bid
No Bid
\$ 114,646
\$ 116,271
\$ 118,738
\$ 122,925
\$ 119,323
\$ 123,150
No Bid
No Bid
Florida Transportation Systems, Inc.
Bid School Bus Price \$\$

THOMAS
Matthews Bus Alliance, Inc.
Bid School Bus Price \$\$
\$ 58,048
\$ 60,770
\$ 61,867
\$ 64,589
\$ 62,074
\$ 64,795
Matthews Bus Alliance, Inc.
Bid School Bus Price \$\$
No Bid
No Bid
\$ 82,206
\$ 87,729
\$ 84,306
\$ 89,219
\$ 88,199
\$ 92,670
\$ 89,036
\$ 92,872
\$ 90,479
\$ 95,511
Matthews Bus Alliance, Inc.
Bid School Bus Price \$\$
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
\$ 104,210
No Bid
No Bid
No Bid
No Bid
\$ 110,628
\$ 113,892
No Bid
No Bid
Matthews Bus Alliance, Inc.
Bid School Bus Price \$\$

IC BUS
Sun State International LLC.
Bid School Bus Price \$\$
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
Sun State International LLC.
Bid School Bus Price \$\$
\$ 80,648
\$ 85,217
\$ 82,620
\$ 87,306
\$ 84,651
\$ 89,410
\$ 87,813
\$ 92,432
\$ 88,923
\$ 93,396
\$ 89,775
\$ 94,164
Sun State International LLC.
Bid School Bus Price \$\$
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
No Bid
\$ 115,644
\$ 119,647
\$ 117,493
\$ 121,497
\$ 119,881
\$ 124,103
\$ 120,142
No Bid
Sun State International LLC.
Bid School Bus Price \$\$

ITB 2020-16 AWARDS

MFSAB Comparison

TYPE A MFSAB

TYPE A: 18 Capacity/ GM

TYPE A: 18 Capacity with Lift/ GM

TYPE A: 27 Capacity

TYPE A: 27 Capacity with Lift

TYPE A: 29 Capacity

TYPE A: 29 Capacity with Lift

TYPE C MFSAB

TYPE C LIGHT: 29 Capacity

TYPE C LIGHT: 29 Capacity with Lift

TYPE C: 29 Capacity

TYPE C: 29 Capacity with Lift

TYPE C: 47 Capacity

TYPE C: 47 Capacity with Lift

TYPE C: 65 Capacity

TYPE C: 65 Capacity with Lift

TYPE C: 71 Capacity

TYPE C: 71 Capacity with Lift

TYPE C: 77 Capacity

TYPE C: 77 Capacity with Lift

TYPE D MFSAB

TYPE D FRONT ENGINE (FE): 71 Capacity

TYPE D FRONT ENGINE (FE): 71 Capacity with Lift

TYPE D FRONT ENGINE (FE): 77 Capacity

TYPE D FRONT ENGINE (FE): 77 Capacity with Lift

TYPE D FRONT ENGINE (FE): 83 Capacity

TYPE D FRONT ENGINE (FE): 83 Capacity with Lift

TYPE D FRONT ENGINE (FE): 89 Capacity

TYPE D FRONT ENGINE (FE): 89 Capacity with Lift

TYPE D REAR ENGINE (RE): 72 Capacity

TYPE D REAR ENGINE (RE): 72 Capacity with Lift

TYPE D REAR ENGINE (RE): 78 Capacity

TYPE D REAR ENGINE (RE): 78 Capacity with Lift

TYPE D REAR ENGINE (RE): 84 Capacity

TYPE D REAR ENGINE (RE): 84 Capacity with Lift

TYPE D REAR ENGINE (RE): 89 Capacity

TYPE D REAR ENGINE (RE): 89 Capacity with Lift

BLUE BIRD

Florida Transportation Systems, Inc.

Bid MFSAB Price \$\$

Not Awarded

Not Awarded

Not Awarded

Not Awarded

Not Awarded

Not Awarded

Bid MFSAB Price \$\$

Includes required type 2 lap/shoulder belts

No Bid

No Bid

No Bid

No Bid

No Bid

\$ 91,498

No Bid

\$ 96,014

No Bid

\$ 95,813

No Bid

\$ 96,806

No Bid

Bid MFSAB Price \$\$

Includes required type 2 lap/shoulder belts

\$ 110,269

No Bid

No Bid

No Bid

No Bid

\$ 118,043

No Bid

No Bid

No Bid

\$ 119,162

No Bid

No Bid

No Bid

\$ 117,773

No Bid

No Bid

No Bid

Includes required type 2 lap/shoulder belts

THOMAS

Matthews Bus Alliance, Inc. / Thomas Built Buses

Bid MFSAB Price \$\$

\$ 56,477

\$ 59,199

\$ 60,174

\$ 62,896

\$ 60,297

\$ 63,019

Bid MFSAB Price \$\$

Includes required type 2 lap/shoulder belts

No Bid

No Bid

\$ 92,206

Not Awarded

\$ 94,306

\$ 99,219

\$ 98,199

\$ 102,670

\$ 99,036

\$ 102,872

\$ 100,879

\$ 105,511

Bid MFSAB Price \$\$

Includes required type 2 lap/shoulder belts

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

\$ 125,628

\$ 128,892

No Bid

No Bid

No Bid

Includes required type 2 lap/shoulder belts

IC BUS

Sun State International LLC. / IC Bus

Bid MFSAB Price \$\$

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

Bid MFSAB Price \$\$

*Must add cost for required type 2 lap/shoulder belts for equitable comparison

\$ 80,163

\$ 84,729

\$ 82,135

\$ 86,818

\$ 83,894

\$ 88,646

\$ 87,056

\$ 91,671

\$ 88,169

\$ 92,635

\$ 89,021

\$ 93,403

Bid MFSAB Price \$\$

*Must add cost for required type 2 lap/shoulder belts for equitable comparison

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

No Bid

\$ 114,709

\$ 118,712

\$ 116,559

\$ 120,563

\$ 118,947

\$ 123,169

No Bid

No Bid

*Must add cost for required type 2 lap/shoulder belts for equitable comparison

Manspeaker, Robert

From: Chris Rustman <crustman@fts4buses.com>
Sent: Wednesday, December 11, 2019 9:03 AM
To: Pridgeon, Suzanne
Cc: Eggers, Mark; Kirkland, Matt; Manspeaker, Robert; Brown, Janice
Subject: Re: ITB 2020-16 Bid Award Notification-FL Transportation Systems, Inc
Attachments: FTS-ITB 2020-16 DOE Contract.pdf

Ms. Pridgeon,

Please find attached a signed contract form that was provided with ITB 2020-16. Please let this email and attached contract serve as our written acceptance of this contract.

We will secure a performance bond as indicated and will provide that to the Comptroller's office.

If anything additional is needed, please don't hesitate to ask.

Thank you,

Chris

On Tue, Dec 10, 2019 at 5:09 PM Pridgeon, Suzanne <Suzanne.Pridgeon@fldoe.org> wrote:



BLUE BIRD

Limited Warranty

Buses with Option 31300-75

This warranty is a supplement to the Standard or Premium Limited Warranty. Blue Bird warrants the Ford engine and transmission, after expiration of Ford's warranty but not to exceed 7 years/unlimited odometer, against defects in material and workmanship. For specific coverage by Ford, refer to Ford's limited warranty, or contact your Blue Bird Dealer. The Ford components covered by the Blue Bird extended coverage are the same components described in Ford's standard limited warranty. Claims for repairs to the engine and transmission after expiration of the Ford's limited warranty but prior to expiration of this extended limited warranty, may be submitted to Blue Bird. Blue Bird's obligation covered in this limited warranty is limited to the repair or replacement of such parts as shall appear to have been defective in workmanship or material. The owner is responsible for providing proof that all maintenance recommended by Ford and Blue Bird has been performed. This warranty does not cover wear/wear-out or maintenance of covered components.

This warranty is applicable to Blue Bird chassis with Option 31300-75 that are registered and operated in U.S.A. or Canada. The warranty period begins on the date the bus is delivered to the original user. During the warranty period, this warranty is transferable to subsequent Owners/Operators. All other Terms, Limitations & Exclusions of Blue Bird's and Ford's Standard or Premium Limited Warranties are applicable.

THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED AND ALL OTHER OBLIGATIONS OR LIABILITIES. NO PERSON, INCLUDING SALESPERSONS, DEALERS, OR FACTORY REPRESENTATIVES OF BLUE BIRD, IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING BLUE BIRD PRODUCTS EXCEPT TO REFER PURCHASERS TO THIS LIMITED WARRANTY. BLUE BIRD MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BLUE BIRD SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Defects must be reported to a Blue Bird Dealer immediately upon discovery of the defect and within the warranty period as stated herein. It is the responsibility of the Owner/Operator to contact their Blue Bird Dealer so service can be arranged with an authorized service dealer. Defects shall be repaired promptly after discovery of the defect and within the warranty period as stated herein. All claims for warranty adjustments must be received by Blue Bird not later than 30 days after the repair date.

Blue Bird reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured. Any suit alleging a breach of this limited warranty or of any other alleged warranty must be filed within one year of breach.

Controlling Law and Severability

This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Georgia, U.S.A. The owner/operator agrees and consents to the exclusive jurisdiction of the courts of the State of Georgia for all purposes regarding this Limited Warranty and further agrees and consents that venue of any action brought hereunder shall be exclusively in Peach County, Georgia. Owner/Operator hereby submits to personal jurisdiction in Peach County, Georgia and waives any objection or argument related to venue, personal jurisdiction, forum non convenience, and/or transfer. If any portion hereof is found to be void or unenforceable, the remaining provisions of the Limited Warranty shall remain in full force and effect.

GOLD 5/10 : Feature 31300-24 (L3)

Administered by Blue Bird*	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years
Front Steer Axle Assembly						Unlimited
Paint Adhesion - Interior Body					Unlimited	
Paint Adhesion - Exterior Body					Unlimited	
Paint Adhesion - BBCV Hood					Unlimited	
Paint Adhesion - Front/Rear Bumpers					Unlimited	
Structural Integrity - Chassis Frame Rails					Unlimited	
Structural Integrity - Chassis Crossmembers					Unlimited	
Structural Integrity - Body Shell					Unlimited	
Structural Integrity - Seat Frames					Unlimited	
Structural Integrity - Barrier Frames					Unlimited	
Blue Bird Emissions Components					Unlimited	
BCM-Body Control Module					Unlimited	
Blue Bird Radio, Speakers & Microphones					Unlimited	
Rear Axle Assembly					Unlimited	
Blue Bird Comfort Aire® Air Conditioner					Unlimited	
ABS - Anti-Lock Brake System Components					Unlimited	
Driver & Passenger School Bus Windows					Unlimited	
Paint-Gloss Retention					Mfr. Date	
Paint - Color Retention					Mfr. Date	
Suspension					Unlimited	
Driveshafts, Support Bearings & U-Joints					Unlimited	
Hydraulic Steering Gears & Steering Pumps					Unlimited	
Radiator-FE & BBCV					Unlimited	
Dash Gauges/Instrument Cluster					Unlimited	
Alternators					Unlimited	
Base Body					Unlimited	
Base Chassis					Unlimited	

* The chart is for reference only. It does not replace the limited warranty statement. Refer to Blue Bird limited warranty for details of Coverage, Exclusions and Limitations.

Administered by Component Manufacturer**	1 Year	2 Years	3 Years	4 Years	5 Years	
Cummins Engine					100,000 mi.	
Ford Engine					Unlimited	
Ford Transmission					Unlimited	
Allison Transmission					Unlimited	
Eaton Transmission					Unlimited	
Roush Propane Fuel System					Unlimited	
Tires, Conform with U.S. Emissions regulations		24,000 mi.				
Batteries	Unlimited					

* The chart is for reference only. It does not replace the manufacturers' limited warranty statements. Refer to component manufacturers' limited warranties for details of Coverage, Exclusions and Limitations. The warranties of the component manufacturers are not a part of Blue Bird's limited warranty.



**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

October 22, 2019

Florida Department of Education
Bureau of Contracting, Grants and
Procurement Management Services
Procurement Office

Attn: ReGina Register
Turlington Building – Room 332
325 West Gaines Street
Tallahassee, Florida 32399-0400

7703 Industrial Lane
Tampa, FL 33637-6738

813.980.0174
800.282.8617
fax: 813.347.9822

www.FTS4Buses.com

Re: Bid Number ITB 2020-16
Type C & D Chassis Performance Certification

Dear Ms. Register:

Florida Transportation Systems, Inc. hereby certifies that Allison SCAAN reports have been prepared by the Engineering Department, Blue Bird Corporation, for all engine, transmission, and rear axle combinations for Type C, Type D-FE, and Type D-RE complete buses proposed in response to Bid Number ITB 2020-16. Florida Transportation Systems, Inc. further certifies that the results of said reports indicate that all Type C, Type D-FE, and Type D-RE complete buses offered in response to Bid Number ITB 2020-16 will meet the minimum performance requirements contained in Florida School Bus Specifications, Revised 2019.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President





**FLORIDA
TRANSPORTATION
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Attn: ReGina Register
Turlington Building – Room 332
325 West Gaines Street
Tallahassee, Florida 32399-0400

Re: Bid Number ITB 2020-16
Cummins Extended Warranty Certifications

Dear Ms. Register:

Please be advised that all customers purchasing Type C and Type D complete buses with the Cummins Extended Warranty protection will receive verification of this coverage via a Customized Assurance Plan Certificate (sample enclosed). These extended engine warranty options are available on the ITB 2020-16 pricing pages.

This certificate will verify that each specific engine serial number is warranted by the correct program/coverage ID which is the EXC level for all diesel engines and either the CWF or CWB level for CNG engines. These certificates will also provide coverage start dates, end dates and Vehicle Identification Number (VIN). This certificate allows the purchasing district to receive extended warranty coverages and repair work by Cummins facilities or authorized Cummins repair centers.

We strongly encourage all purchasing districts to maintain a copy of these certificates in their vehicles maintenance files as proof of purchase and coverage.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President

Encl.





**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

October 22, 2019

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fax: 813.347.9822

Re: Bid Number ITB 2020-16
Procedures for Liquidated Damages

www.FTS4Buses.com

Dear Ms. Register:

Florida Transportation Systems, Inc. hereby confirms that its authorized representatives and key personnel have read Section 6.2 of Bid Number ITB 2020-16, that the Procedures for Liquidated Damages are fully understood, and that our company agrees to abide by those procedures in the event of late deliveries.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President



School & Commercial Buses & Other Quality Transportation Products



October 22, 2019

**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

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Re: Bid Number ITB 2020-16
Pre-Delivery Inspection Program

www.FTS4Buses.com

Dear Ms. Register:

Florida Transportation Systems, Inc. (FTS) will assume full responsibility for conducting the required Pre-Delivery Inspection in accordance with Section 7.9, Bid Number ITB 2020-16, on all units provided in fulfillment of any contract that may result from said ITB. Depending on the volume of units ordered, the customers' selection of delivery options, and the ultimate delivery destinations, each inspection will be completed in one of the following manners:

- * By FTS Employee Personnel at its Facility in Either Tampa or Pompano Beach, Florida
- * By FTS Employee Personnel at the Blue Bird Assembly Plant, Ft. Valley, Georgia

In order to execute our inspection program, FTS currently employs a Certified School Bus Inspector Trainer at its Tampa headquarters facility responsible for the supervision, development and training of other technicians who will ultimately be tested by Department personnel for certification. FTS employs four additional Certified School Bus Inspectors located at its Tampa facility and three additional Certified School Bus Inspector located at its satellite facility in Pompano Beach. In the event inspections should be required at the Blue Bird assembly plant, all Certified School Bus Inspectors employed by FTS are fully capable and willing to accept such temporary remote duty assignments. Finally, should circumstances so dictate, FTS is fully prepared to train and submit for certification testing as many additional employee and/or sub-contract personnel as may be required to meet its contractual obligations.

In all cases, the inspections will be conducted only by Certified School Bus Inspectors employed by and under the control and direction of FTS. Although no responsibility for the inspection process is delegated to factory personnel, we work closely with the Blue Bird Quality and Production Departments to insure that deficiencies discovered during inspection are corrected at the source and not repeated in subsequent production. Management, administration, and execution of our PDI program will be the responsibility of Douglas H. Revelle, Manager of the FTS Customer Support Group.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President



School & Commercial Buses & Other Quality Transportation Products



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October 22, 2019

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Bureau of Contracting, Grants and
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Attn: ReGina Register
Turlington Building – Room 332
325 West Gaines Street
Tallahassee, Florida 32399-0400

Re: Bid Number ITB 2020-16
Type A, Type C and Type D School Buses and Optional Equipment

Dear Ms. Register:

Please find enclosed the proposal submitted by Florida Transportation Systems, Inc., Federal Employer Identification Number 36-3285618, in response to Bid Number ITB 2020-16. Our DUNS number is 122633282.

I certify that I am a duly authorized representative of Florida Transportation Systems, Inc., and as such, have the authority to execute and submit this proposal and to legally bind the company in all matters relating to and contained in this proposal. I further certify that I have read Bid Number ITB 2020-16, that I fully understand its contents, and that I agree to all of its provisions. I finally certify that Florida Transportation Systems, Inc. is authorized to conduct business in the State of Florida and that the company is registered as a vendor on the MyFloridaMarketPlace website. Florida Transportation Systems, Inc. has also electronically registered a valid W-9 with the Department of Financial Services (DFS).

Florida Transportation Systems, Inc. hereby designates the following Contract Manager to represent the company in all matters related to any contract that may result from this proposal:

Name:	Chris Rustman
Mailing Address:	7703 Industrial Lane Tampa, Florida 33637
E-Mail Address:	crustman@fts4buses.com
Office Telephone:	(813) 980-0174 (Ext. 280)
Toll Free Office Telephone:	(800) 282-8617 (Ext. 280)
Fax:	(813) 347-9822

Florida Transportation Systems, Inc. is not owned by minorities, women, or service-disabled veterans, and therefore, represents itself to be neither a Certified Minority Business Enterprise (CMBE) nor a Service-Disabled Veteran Business Enterprise (CSDVBE). However, our company supports the State of Florida's initiative to include CMBE and CSDVBE entities in the procurement





**FLORIDA
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SYSTEMS, INC.**

Florida Department of Education
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Page 2.

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process. With specific regard to ITB 2020-16, Florida Transportation Systems, Inc. intends to employ sub-contract vendors for the supply of equipment and installation of air conditioning systems and for drive-away delivery services. In preparing this proposal, we have conducted an exhaustive search of the Certified Vendor Directory maintained by the Florida Department of Management Services, Office of Supplier Diversity, for qualified CMBE or CSDVBE sub-contract vendors offering such products and services. Having found no such vendors, Florida Transportation Systems, Inc. does not intend to utilize any CMBE or CSDVBE sub-contractors in the fulfillment of any contract resulting from ITB 2020-16. In the future, Florida Transportation Systems, Inc. pledges its continuing support of the State of Florida's diversity initiative and will be pleased to offer qualified CMBE or CSDVBE entities the opportunity to participate in subsequent procurement contracts.

Thank you for the opportunity to submit this proposal. We will look forward to your favorable consideration and to the prompt execution of a contract.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President



BLUE BIRD

School & Commercial Buses & Other Quality Transportation Products



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October 22, 2019

Florida Department of Education
Bureau of Contracting, Grants and
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Attn: ReGina Register
Turlington Building – Room 332
325 West Gaines Street
Tallahassee, Florida 32399-0400

Re: Bid Number ITB 2020-16
Five (5) Year/Unlimited Mileage Bumper-to-Bumper Limited Warranty
Type C and Type D Buses

Dear Ms. Register:

Please be advised that all Type C and Type D complete buses manufactured by Blue Bird and offered in response to ITB 2020-16 will be covered by a Five (5) Year/Unlimited Mileage Bumper-to-Bumper Limited Warranty. In all cases, individual components required to be warranted in excess of five (5) years will be covered as specified in Florida School Bus Specifications, Revised 2019. This warranty coverage, 5 Years/Unlimited Mileage, will also apply to Blue Bird's factory installed air conditioning offering, ComfortAire. Additionally, the Allison 2500 PTS transmission will be covered with a 7 Year/Unlimited Mileage warranty when purchased in a Type C bus configuration. The terms and conditions of this warranty coverage will be governed by the Warranty Certificate for Warranty Policy L3, issued by Blue Bird Body Company, a copy of which is enclosed for your reference.

Florida Transportation Systems is also pleased to offer the following policy statement regarding the administration of service parts required to perform warranty repairs to vehicles provided in fulfillment of said ITB. FTS will provide all Blue Bird OEM service parts required to repair a warrantable failure free of charge to the end user with freight prepaid to the end user's designated repair facility. Further, FTS will remain responsible for any record keeping and tracking necessary to insure that such parts are properly accounted for and included on appropriate warranty claims submitted to the manufacturer.

The end user's repair facility is responsible only for accurate diagnosis of the failure and for retaining failed parts for a reasonable period of time for possible return. Provided failed parts are requested for return, FTS will provide appropriate shipping documentation and prepaid freight. In the event that failed parts are not returned to FTS when requested or that a presumed failed part proves to have no defect upon inspection and testing by the manufacturer, only then will an appropriate invoice be issued to the end user for the part provided.

Sincerely,

FLORIDA TRANSPORTATION SYSTEMS, INC.

Chris Rustman
President

Encl.



School & Commercial Buses & Other Quality Transportation Products

FLORIDA DEPARTMENT OF EDUCATION

**BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES**

**325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400**

Addendum #1

BID NO.: ITB 2020-16

**Type A, Type C and Type D School Buses and Optional
Equipment**

September 19, 2019

This addendum is being issued to provide the Answers to Questions submitted timely by vendors during the Question and Answers period.

Please be advised all questions are keyed as submitted.

Sun State Bus Centers

1. Public opening, will the bid submissions be reviewed and read aloud or otherwise be provided to all bidders?

ANSWER: The public opening will consist of the reading of the names of the bidders that responded only. All other information will be available via public records request once the information becomes public.

2. Will the Department allow bidders to add lines to the price sheets for additional A/C, engine, warranty and other options as needed?

ANSWER: Yes.

3. Will the department provide to bidders an editable electronic copy (preferably Word format) of Attachment 10 – Pre-Delivery Inspection Form (2020)?

ANSWER: Yes.

4. Option for Red Light Above Emergency Door, is this light required to be LED?

ANSWER: Yes.

1. Please clarify conflicting information pertaining to **Renewal** terms of this contract.
Under 3.0 **Intent** – the resulting contract may be renewed for up to 3 one year terms.
Under 4.25 **Extension** – The department in its discretion may grant an extension of the contract in writing for a period not to exceed 6 months and shall be subject to the same terms and conditions set forth in the contract. There shall be only one extension unless failure to meet the criteria set forth in this ITB or resulting contract is due to events beyond the control of the contractor. Also, will the state offer price increase percentages to the successful bidders upon requesting the contract be renewed by the vendor in each of these one year renewals?

ANSWER: 3.0 INTENT: The department is soliciting written responses to establish a 24-month term contract that may be renewed for up to three one-year terms with no change in pricing or options if mutually agreed upon by both parties.

4.25 is a provision that allows the department to extend the contract up to six months to allow a poor performing contractor to fulfill their obligations. This is not a renewal of the contract.

2. Pricing Sheets –

- a. Under the **Optional Engines** for each bus configuration, can you add space for extended engine warranties?

ANSWER: No, enter extended warranty information for optional engines in the ADDITIONAL OPTIONS section.

- b. Also are the extended engine **Warranty Options** limited to the terms listed or can we supply additional offerings in space provided?

ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

- c. If so, should we do so in the **Additional Options** or will you provide more open space in the **Warranty Options** for the standard and optional engines?

ANSWER: You may submit additional warranty offerings in addition to the listed terms in the ADDITIONAL OPTIONS section.

3. Pricing Sheets – Can we add more Additional Options if needed,

ANSWER: Yes, you may add more ADDITIONAL OPTIONS if necessary.

or can we just combine the **Additional Seating Options** and **Additional Options** together in one section?

ANSWER: Yes, you may combine ADDITIONAL SEATING OPTIONS and ADDITIONAL OPTIONS together in one section.

Also, under **Additional Seating Options**, can we move the randomly scattered options to be in line with each other? Do we have to use the ones listed?

ANSWER: Yes, you may move, add to, or delete the randomly scattered ADDITIONAL SEATING OPTIONS.

4. **Pricing Sheets** – Are the “**Future Use**” lines meant to be left blank? What is the future use and will it affect this bid?

ANSWER: “Future Use” is simply a place holder for the option number line and will have no effect on this bid.

5. **Page 46**, under the second page of additional options, why are the **Diagnostic Options** only listed here? Should they not be listed for each configuration and type?

ANSWER: List Diagnostic Options as applicable for each engine configuration under ADDITIONAL OPTIONS.

6. **Pricing Sheets** – Are we allowed to correct formatted spreadsheet (merge and center where needed or add/remove gridlines? There are few in the additional options area where a cell is not merged and centered, and has a line breaking the first cell in the row (page 37, 41, 45).

ANSWER: Yes, as long as the information remains the same.

7. **Pricing Sheets** – Are we allowed to make additional copies of the Video/GPS pages and other pages as needed? Please clarify.

ANSWER: Yes.

8. **Pricing Sheets** – Can we provide multiple bids for each type of bus requested?

ANSWER: No.

9. **II-2 Engine Equipment** – Please differentiate between **Additional Engine** of other configurations or displacements and **Alternate Fuel** Configurations. There seems to be some confusion that Gasoline is considered an Alternate Fuel when it's an **Optional Engine** not an alternate fuel engine. Here is a link concerning alternative fuels at <https://afdc.energy.gov/fuels/>

ANSWER: The Florida School Bus Specifications require that a diesel engine with a minimum displacement of 6.4 liters and 6 cylinders be available as a standard engine in a wet sleeve or parent bore block design. However, Additional Engines of other configurations or displacements may be offered in the OPTIONAL ENGINES section of the bid pricing pages for each type of bus including Alternate Fuel engine configurations.

Gasoline engine configurations are NOT Alternate Fuel Configurations.

The United States Department of Energy recognizes bio-diesel, ethanol, hydrogen, natural gas, propane and electric as being alternate fuels.

Florida Transportation Systems

1. Page 7, item 3.0 "Intent" states that ITB #2020-16 will have a contract term of 24 months. Additionally, the contract may be renewed for up to three, one-year terms. Will the renewal be mutually agreeable, or at the discretion of the Department? Assuming there is a renewal, will the Department allow for price adjustments or additional options being added to the awarded contract?

ANSWER: Contract renewals must be mutually agreed upon by both parties. A renewal would not allow any changes in pricing or options.

2. Page 18, section 4.35 of ITB #2020-16 establishes an extension for districts receiving volume bus deliveries. In essence, the 10-day acceptance window is extended based on receiving 5 or more buses in a two-day period. Similarly, would the Department consider allowing for an extension of the 240-day delivery window when a vendor receiving volume orders over an abbreviated period. For example, if a vendor receiving purchase orders for an excess of 50 buses in a 5-day period, the required delivery date is increased by 10 business days.

ANSWER: No.

3. Page 19, section 5.1 of ITB #2020-16 requires a performance bond for contactors of Type A, C and D school buses. With section 6.2 of the same ITB document allowing purchasing districts to assess and deduct liquidated damages from their invoiced purchase price, would the Department consider waiving the requirement for the performance bond?

ANSWER: No.

4. Attachment 1, of ITB #2020-16 provides bidders with pre-formatted pricing submission sheets and Excel spreadsheets. Various areas of pricing entry may require additional entries in comparison to what is pre-formatted (for example, a/c options, seating or warranty options). May bidders be permitted to add rows to the pricing submission sheets and provide customers with additional options within reason?

ANSWER: Yes.

5. Attachment 11, of ITB #2020-16 includes the Florida School Bus Specifications, Revised 2019 (Specifications). The bus category, MFSAB, is introduced and referenced by Florida Specifications. Do these Specifications, as they relate to MFSAB references, apply to MFSABs owned and operated by public school boards and charter schools only or do these also apply to day care centers, churches and other various enterprises that may utilize these style vehicles?

ANSWER: The specifications that apply to buses obtained under ITB #2020-16 are *Florida School Bus Specifications, effective January 2020*, which are the specifications in Attachment II renamed to reflect an effective date and to align with the award of this bid. School bus units may be purchased under ITB # 2020-16 by Florida district school boards, charter schools, and the Florida School for the Deaf and the Blind (FSDB); and may be purchased by eligible private schools pursuant to the requirements described in s. 1002.42(15)(a), F.S. The applicability of the specifications to any other vehicles exceeds the scope of the bid process and the Department cannot provide a response.

6. Page 2 of Florida Specifications, Revised 2019 details warranties for Type A, C and D new vehicles. Under "Chassis Warranties", items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS respectfully requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

7. Page I-2 of Florida Specifications, section "Engine Equipment" items 3 and 5 used to apply only to Types A2, C and D diesel chassis in Florida School Bus Specifications, Revised 2013. FTS requests that these items NOT apply to diesel Type A chassis 14,500 Lbs. GVWR and under.

ANSWER: Denied.

8. Page I-4 of Florida Specifications, Revised 2019, section "Transmission" requires an Allison 1000 or 2000 or approved equal on a Type A chassis of 30p and larger. FTS requests that the Chevrolet heavy duty 6-speed Hydra-Matic transmission be accepted as an approved equal.

ANSWER: Approved.

9. Page II-5 of Florida Specifications, Revised 2019, section "Transmission" includes the following for Type D front engine:
 - a. **Type D 71 capacity front engine, Allison PTS 2500, 5 speed or approved equal.**
 - b. **Type D 78-79 capacity front engine, Allison PTS 2500, 5 speed or approved equal.**

The 'TYPE D FORWARD CONTROL FRONT ENGINE' chart on page II-7 however, indicates that the PTS 3000 transmission is required for 77, 83, and 89 capacity buses. FTS requests clarification of Type D forward transmission requirements.

ANSWER: Page II-5 under TRANSMISSION, AUTOMATIC #4 Should read:

4. Type D 77-89 capacity front engine, Allison PTS 3000, 5 speed or approved equal.

10. Page III-13 of Florida Specifications, Revised 2019, section 'Rear Vision Mirror System', states that **"The system must consist of one flat and one convex mirror lens per side. Each mirror set must be mounted on a breakaway arms with a positive detent or lock."** The exterior rearview mirror brackets designed and provided by Blue Bird's mirror vendor for the Open View mirrors do not include a breakaway feature. Blue Bird requests confirmation that the bracket design previously approved for use in Florida meets the intent of the specifications.

ANSWER: The previous designs provided by Blue Bird meets the intent of the specifications.

11. Page III-14 of Florida Specifications, Revised 2019, section "Seating, item 2 and 3" defines the requirement for FMVSS No. 225 compliant seats and their required seat spacing. This is required for the first seat of each side of the bus. If a customer would like to add additional rows of FMVSS No. 225 compliant seats, how should those be spaced?

ANSWER: Additional seats compliant with FMVSS No. 225 must be spaced to provide the maximum knee room (seat spacing) permitted by FMVSS No. 222.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT SIGNED AND INCLUDED!

Company Name: Florida Transportation Systems, Inc.

Vendor Name – written: Chris Rustman 

Authorized Signature: 

Mailing Address: 7703 Industrial Lane

City, State & Zip Code: Tampa, FL 33637

Telephone: 813-980-0174 E-Mail Address: crustman@fts4buses.com

FLORIDA DEPARTMENT OF EDUCATION

BUREAU OF CONTRACTS, GRANTS AND PROCUREMENT
MANAGEMENT SERVICES

325 West Gaines Street
332 Turlington Building
Tallahassee, Florida 32399-0400

Addendum #2

BID NO.:

This addendum is being issued to include the below option:

Under additional options, pricing can be provided for a mounted exterior LED lamp that will project light along the right side of the bus in the area of the service door. The proposed lamp must have a minimum light output equivalent to a 50W halogen bulb, be mounted to direct light in a manner that prevents the light from shining directly into the right-side rear-view mirror and cross view mirror; must automatically turn on when the service door is opened and turn off approximately five seconds after the door has closed.

Potential proposers have 72 hours from posting of addenda to protest the requirements of each addendum. Failure to file a protest within the time prescribed in Section 120.57(3), or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

YOUR BID WILL NOT BE COMPLETE WITHOUT THIS DOCUMENT
SIGNED AND INCLUDED!

Company Name: Florida Transportation Systems, Inc.

Vendor Name – written: Chris Rustman 

Authorized Signature: 

Mailing Address: 7703 Industrial Lane

City, State & Zip Code: Tampa, FL 33637

Telephone: 813-980-0174 E-Mail Address: crustman@fts4buses.com

DISCLOSURE STATEMENT

(Rev. 07/02)

PARTNERSHIP OR INDIVIDUAL*I hereby certify that I, if an individual, or each of us, if a partnership, doing business as**(Name of Individual or Partnership)*

(am)(is) not now involved in, nor have I ever engaged in, any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I, nor any partner, if a partnership, nor anyone acting in my or our behalf has requested that any of the above-designated persons, or any other employee of the Florida Department of Education, exert any influence to secure the appointment of _____ under this proposed agreement.

(Name of Individual or Partnership)

(1) _____
Signature

Signature

Signature

COMPANY OR CORPORATION

I hereby certify that neither I nor any owner, officer, director or shareholder of Florida Transportation Systems, Inc. *a*
(Name of Corporation (Company))

Missouri (2) corporation, licensed to do business in Florida, is presently involved in

(Name of State of Inc.)

or has engaged in any private business venture or enterprise, directly or indirectly, with the Commissioner of Education, the Deputy Commissioner of Education, any Associate Commissioner of Education, Division Director or Bureau Chief within the Florida Department of Education.

I further certify that neither I nor any owner, officer, director or shareholder of this corporation, nor anyone acting on behalf of this corporation or any of its owners, officers, directors or shareholders, has requested that any of the above-designated persons, or any employee of the Florida Department of Education, exert any influence to secure the appointment of _____ under this proposed agreement.

*(Company)**(Corporation)*

(3) Chin Eustman
Signature

President

Title

(1) If partnership, each partner must sign and execute.**(2) If company is not incorporated, insert "not incorporated" in this space.****(3) If incorporated, this statement is to be executed by same person who will execute contract, if awarded.**


DRUG-FREE WORKPLACE PROGRAM

(will be considered in case of identical tie bids)

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality and service are received by the state or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- 1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- 2) Inform employees about the dangers of drug abuse in the workplace; the business's policy of maintaining a drug-free workplace; any available drug counseling, rehabilitation and employee assistance programs; and the penalties that may be imposed upon employees for drug abuse violations.
- 3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893, F.S., or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five days after such conviction.
- 5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, for any employee who is convicted of a violation of chapter 893, F.S., or of any controlled substance law of the United States or any state.
- 6) Make a good-faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this business complies fully with the above-stated requirements.



Vendor's Signature

**STATE OF FLORIDA DEPARTMENT OF EDUCATION
MINORITY SUBCONTRACTORS UTILIZATION SUMMARY**

The Department's Supplier Diversity Initiative strives to ensure the promise of Florida's future is shared by all of its residents, regardless of race, ethnicity, disability, neighborhood or background. To that end, the Department is dedicated to support, track and increase its small, minority, women and service-disabled veteran business enterprise spending with prime contractors and subcontractors. This form was developed to assist in these efforts.

The prime contractor shall report all small, minority, women and service-disabled veteran business enterprise subcontractors, identifying the name, address, type of certification and dollar amount of the subcontracts on the form below. The prime contractor shall submit this form with each invoice submitted for payment, whether or not funds have been spent with a small, minority, women or service-disabled veteran business enterprise subcontractor for the period covered by the invoice. The Office of Supplier Diversity, Florida Department of Management Services will assist in furnishing names of qualified minorities. The Office of Supplier Diversity can be reached at 850-487-0915 or go to

http://dms.myflorida.com/other_programs/office_of_supplier_diversity_osd.

PRIME CONTRACTOR: Florida Transportation Systems, Inc.


CONTRACT NO.: ITB 2020-16

CONTRACT TITLE: Type A, Type C and Type D School Buses and Optional Equipment

MBE CONTRACTORS Full Name, Address, Telephone Number	State- Certified	Non- Certified	Non- Profit	Dollar Amount
none				

Total Amount \$ _____

Certified True and Correct by:



Prime Contractor

Submit Report to:

Ms. ReGina Register
Bureau of Contracts, Grants & Procurement
Management Services
325 West Gaines Street, Room 344
Tallahassee, Florida 32399-0400

President

Title
October 22, 2019

Date

For additional information, you may contact Ms. Register at 850-245-9173 or ReGina.Register@fldoe.org.

**VENDOR CERTIFICATION REGARDING
SCRUTINIZED COMPANIES LISTS**

Respondent Vendor Name: Florida Transportation Systems, Inc.

Vendor's Federal Employer Identification Number (FEIN): 36-3285618

Vendor's Authorized Representative Name and Title: Chris Rustman, President

Address: 7703 Industrial Lane

City: Tampa State: FL Zip: 33637

Phone Number: 800-282-8617

Email Address: crustman@fts4buses.com

Section 287.135, F.S., prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to section 215.473, F.S.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that, pursuant to section 287.135, F.S., the submission of a false certification may subject this company to civil penalties, attorney's fees and/or costs.

CERTIFIED BY: Chris Rustman,

WHO IS AUTHORIZED TO SIGN ON BEHALF OF THE ABOVE-REFERENCED COMPANY?

Authorized Signature (Print Name and Title): Chris Rustman

BIDDER REPRESENTATION FORM**ATTACHMENT 7**

TO: Commissioner Richard Corcoran
Florida Department of Education
Tallahassee, Florida 32399-0400

I, the bidder, hereby represent that the specifications of school bus equipment furnished under terms of this bid will comply with the *National School Transportation and Procedures, Revised 2015*, and the *Florida School Bus Specifications, Revised 2019*, as represented by the manufacturer to the Commissioner of the Florida Department of Education, State of Florida.

NOTES:

1. Do not include excise tax in price schedule. A tax exemption certification or number will be furnished by the purchasing agency.
2. All prices must be quoted in **even dollar amounts**.
3. Twenty-nine capacity Type C buses shall be offered with both front-mounted and rear-mounted lift availability.
4. All standard and optional tires bid shall be all-wheel position highway rib radials.

Comments regarding production schedules and remarks (for informational purposes only): _____

Company: _____ Florida Transportation Systems, Inc. _____

By: _____ Chris Rustman _____

Address: _____ 7703 Industrial Lane, Tampa, FL 33637 _____

Telephone: _____ 800-282-8617 _____

FEIN: _____ 36-3285618 _____

Signature: _____  _____

Date: _____ 10/22/2019 _____

**PURCHASE ORDER
CONTACT PREFERENCE INFORMATION**

Please provide pertinent contact information for your company to be used on all purchase orders for buses purchased pursuant to this bid:

ATTN (Contact Person's Name): _____ Chris Rustman _____

Contact Person's Title: _____ President _____

Company Name: _____ Florida Transportation Systems, Inc. _____

Street Address: _____ 7703 Industrial Lane _____

City, State, Zip: _____ Tampa, FL 33637 _____

Telephone: _____ 800-282-8617 _____

CUSTOMER CONTACT PREFERENCE INFORMATION

Please indicate the proper contact person for all inquiries related to bus orders:

Contact Person's Name: _____ Chris Rustman _____

Contact Person's Title: _____ President _____

Company Name: _____ Florida Transportation Systems, Inc. _____

Street Address: _____ 7703 Industrial Lane _____

City, State, Zip: _____ Tampa, FL 33637 _____

Telephone: _____ 800-282-8617 _____

Fax: _____ 813-347-9822 _____

Email address: _____ crustman@fts4buses.com _____

State of Florida
Florida Department of Education
Bureau of Contracts, Grants and Procurement Management Services
332 Turlington Building
325 West Gaines Street
Tallahassee, Florida 32399-0400

BID REGISTRATION

COMPLETE AND RETURN THIS FORM

BID NO: ITB 2020-16

TITLE: Type A, Type C and Type D School Buses and Optional Equipment

DATE & TIME DUE: OCTOBER 23, 2019 @ 9:15 AM ET

To register to bid, please complete and return this bid registration form as soon as possible. Send **this sheet only** to Regina.Register@fldoe.org (preferred), fax it to 850-245-0719, or mail it to 325 West Gaines Street, 332 Turlington Building, Tallahassee, Florida 32399-0400.

COMPANY NAME: Florida Transportation Systems, Inc.

CONTACT PERSON: Chris Rustman

ADDRESS: 7703 Industrial Lane

CITY, STATE, ZIP: Tampa, FL 33637

TELEPHONE: () 800-282-8617 FAX NUMBER: () 813-347-9822

INTERNET EMAIL ADDRESS: crustman@fts4buses.com

SIGNED: Chris Rustman DATE: 9/6/19

For further information about this bidding on contracts for the State of Florida, you may contact ReGina Register at 850-245-9173 or Regina.Register@fldoe.org.



**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

BIDDER QUALIFICATIONS

Florida Transportation Systems, Inc.

7703 Industrial Lane
Tampa, FL 33637-6738

813.980.0174
800.282.8617
fax: 813.347.9822

www.FTS4Buses.com

Company Profile

Florida Transportation Systems, Inc. (FTS) was formed in November 1983 and has continuously represented Blue Bird Corporation in the State of Florida for the past 30 years. With the original ownership families remaining intact and active in the daily operation of the business, FTS offers a depth of experience in Florida's school transportation industry that is simply unparalleled. The company's three (3) key personnel represent over 65 collective years of Blue Bird representation. Over the years, FTS has been continually recognized by Blue Bird for outstanding representation in the market, earning performance awards too numerous to detail.

Since 1988, FTS has operated from its full service headquarters facility in suburban Tampa, located at 7703 Industrial Lane, Tampa, Florida 33637. In 2010, the company opened a second full service facility in Fort Lauderdale, and subsequently in 2013, relocated the Broward County facility to 1290 N.W. 15th Street, Pompano Beach, Florida 33069. Currently, FTS offers Sales Representation, Parts Distribution, Drive-in Service Support, and Mobile Service Support from both facilities.

During 1999, FTS assumed full responsibility for preparation, presentation, administration and fulfillment of the Florida State School Bus Contract. Beginning with Bid Number ITB 2000-21, FTS has successfully administered thirteen school bus procurement contracts with the Department of Education and has delivered over 4,500 quality Blue Bird vehicles to school districts throughout the State. By far the most tenured school bus distribution organization currently operating in Florida, FTS legitimately claims superior knowledge and experience with regard to the scope of work associated with ITB 2020-16 and Florida pupil transportation.

Key Personnel

Christopher A. Rustman

B. A. Public Relations, Pepperdine University (1994)

Relevant Work Experience:

School Bus Sales Representative, Central States Bus Sales, Inc., St. Louis, MO (1997-99)

School and Commercial Bus Sales Representative, FTS, Tampa, FL (1999)

School Bus Sales Manager, FTS, Tampa, FL (2000-01)

President and Chief Operating Officer, FTS, Tampa, FL (2001-Present)

Member, Blue Bird Dealer Advisory Council (2010-14, 2018-Present)

Chairman, Blue Bird Dealer Advisory Council (2012-13)



BLUE BIRD

School & Commercial Buses & Other Quality Transportation Products



**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

7703 Industrial Lane
Tampa, FL 33637-6738

813.980.0174
800.282.8617
fax: 813.347.9822

www.FTS4Buses.com

Key Personnel (Continued)

Douglas H. Revelle

B. S. Mechanical Engineering With Sales Engineering Certificate, University of Florida (2003)

Relevant Work Experience:

Engineering Intern, Blue Bird Corporation, Ft. Valley, GA (2002)
Customer Service Representative, FTS, Tampa, FL (2004)
Manager, Parts Warehousing & Distribution, FTS, Tampa, FL (2005-07)
Manager, Customer Support Group, FTS, Tampa, FL (2008-Present)
Member, Blue Bird Dealer Service Council (2009-15)
Chairman, Blue Bird Dealer Service Council (2014-15)

Donald W. Ross

Relevant Work Experience:

Heavy Equipment Certified ASE Technician, EdWard C Levy, Detroit Michigan, (1977-1981)
Production Manager, Reed Minerals Harsco Corporation (1981-1998)
Director of Transportation, School Board of Manatee County, Bradenton, FL (2000-2013)
General Manager, LBS South, Jacksonville and Davie, FL (2013-2014)
General Manager, Matthews Buses Florida, Rifled Air (2014-2017)
Sales Manager, Florida Transportation Systems, Tampa and Pompano, FL (2017-Present)
Chairman, Department of Education, STM, New Product Development Council (2003-2008)
IC New Product Development Committee, (2006-2009)
Member, Department of Education, STM, Specification Committee (2017-Present)
School Bus Fleet Magazine, Co-Author (2011-2012)





**FLORIDA
TRANSPORTATION
SYSTEMS, INC.**

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www.FTS4Buses.com

BIDDER PERFORMANCE

In accordance with Section 4.1 of ITB 2020-16, information and documentation is being submitted regarding the performance of Florida Transportation Systems, Inc. on the following contracts:

Project Number ITB 2013-01, Florida Department of Education

BIDDER PERFORMANCE

Project Numbers:	ITB 2013-01
Project Name:	Type A, Type C, and Type D School Buses and Optional Equipment
Contract Owner:	Florida Department of Education
Contract Manager:	Charlie Hood School Transportation Management Section Florida Department of Education 325 West Gaines Street – Room #225 Tallahassee, Florida 32399-0400 (850) 245-9795 charlie.hood@fldoe.org

Purpose/Scope of Work

The purpose of these procurements was for the Florida Department of Education to establish term contracts for the statewide purchase of Complete School Buses and Optional Equipment by school districts and other eligible users. As their Florida dealer, Florida Transportation Systems, Inc. represented and provided vehicles manufactured by Blue Bird Corporation.


Performance Issue/Result

Among the requirements of this contract was for completed buses to meet then current Florida School Bus Specifications, including the requirement for air conditioning refrigerant hoses to meet SAE J2064, Type D, E, or F. Due to an erroneous assumption on the part of air conditioning sub-contract vendor ACC Climate Control, a number of buses delivered under this contract were equipped with refrigerant hose meeting SAE J2064, Type C. Since Florida Transportation Systems, Inc. had neither requested nor been granted an "approved equal" designation for Type C hose, these buses do not meet minimum specifications. The Florida Department of Education has established and Florida Transportation Systems, Inc. has agreed to provide resolution, to include 1) replacement of noncompliant hose with hose meeting minimum specifications, or 2) at the option of the purchasing school district, an extended warranty period of one (1) year on the noncompliant hose and related fittings. Any future vehicles delivered in fulfillment of ITB 2013-01 will be equipped with refrigerant hose meeting the specification.



BLUE BIRD

School & Commercial Buses & Other Quality Transportation Products

09/13/19 Status Report Bid Number 2017-02		<div> BLUE BIRD</div>		7 - ShellCap							Prepared & Maintained By: Florida Transportation Systems, Inc.									
				8 - SeatingCap																
				9 - W/CCap																
				10 - A/C																
		3 - Delivery		11 - Lift																
5 - Bus Type																				
Buyer	PODate	3	Bus Number	5	VIN #	7	8	9	#	#	ACMan	ACMod	LiftMod	Lift Serial	ChasMan	ChasMod	ChasBidDt	BodModel		
ALACHUA COUNTY	10/27/17	D	1805	C	1BAKJCSA2KF350379	77	54	3	Y	Y	BLUE BIRD MCC	30014-01	RICON S5510-ADA/403	E719684	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1804	C	1BAKBCSA3KF350811	47	18	3	Y	Y	BLUE BIRD MCC	30014-01	RICON S5510-ADA/403	E719647	BLUE BIRD	BBCV2311S		BBCV2311S		
ALACHUA COUNTY	10/27/17	D	1806		1BAKJCSA3KF350178	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1807		1BAKJCSA5KF350179	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1808		1BAKJCSA1KF350180	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1809		1BAKJCSA3KF350181	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1810		1BAKJCSA5KF350182	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1811		1BAKJCSA7KF350183	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1812		1BAKJCSA9KF350184	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1813		1BAKJCSA0KF350185	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1814		1BAKJCSA2KF350186	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1815		1BAKJCSA4KF350187	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1816		1BAKJCSA6KF350188	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1817		1BAKJCSA8KF350189	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
ALACHUA COUNTY	10/27/17	D	1818		1BAKJCSA4KF350190	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	10/02/17	D	117	C	1BAKJCEA3KF349270	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	10/02/17	D	217	C	1BAKJCEA5KF349271	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	10/02/17	D	317	C	1BAKJCEA7KF349272	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	10/02/17	D	417	C	1BAKJCEA9KF349273	77	77	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	09/20/18	D	119	C	1BAKJCEA0LF361099	77	72	0	N	N	-	-	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	09/20/18	D	219	C	1BAKJCEA3LF361100	77	72	0	N	N	-	-	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	09/20/18	D	319	C	1BAKJCEA5LF361101	77	72	0	N	N	-	-	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	09/20/18	D	419	C	1BAKJCEA7LF361102	77	72	0	N	N	-	-	-	-	BLUE BIRD	BBCV3507S		BBCV3507S		
BRADFORD COUNTY	10/02/17	D	517	C	1BAKBCEA8KF349472	47	36	0	Y	Y	MOBILE CLIMATE CONTROL	AC-12iw1iw133d	RICON S5510-ADA/403	E718097	BLUE BIRD	BBCV2311S		BBCV2311S		
BRADFORD COUNTY	09/20/18	D	519	C	1BAKBCEA7LF361307	47	36	0	Y	Y	-	-	-	-	BLUE BIRD	BBCV2311S		BBCV2311S		
BROWARD COUNTY	03/28/18	D	519201	C	1BAKGCB A4KF355436	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519202	C	1BAKGCB A6KF355437	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519203	C	1BAKGCB A8KF355438	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519204	C	1BAKGCB A XKF355439	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519205	C	1BAKGCB A6KF355440	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519206	C	1BAKGCB A8KF355441	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519207	C	1BAKGCB A XKF355442	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519208	C	1BAKGCB A1KF355443	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519209	C	1BAKGCB A3KF355444	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519210	C	1BAKGCB A5KF355445	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519211	C	1BAKGCB A7KF355446	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519212	C	1BAKGCB A9KF355447	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519213	C	1BAKGCB A0KF355448	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519214	C	1BAKGCB A2KF355449	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519215	C	1BAKGCB A9KF355450	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519216	C	1BAKGCB A0KF355451	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519217	C	1BAKGCB A2KF355452	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519218	C	1BAKGCB A4KF355453	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519219	C	1BAKGCB A6KF355454	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519220	C	1BAKGCB A8KF355455	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519221	C	1BAKGCB A XKF355456	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519222	C	1BAKGCB A1KF355457	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519223	C	1BAKGCB A3KF355458	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519224	C	1BAKGCB A5KF355459	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519225	C	1BAKGCB A1KF355460	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519226	C	1BAKGCB A3KF355461	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		
BROWARD COUNTY	03/28/18	D	519227	C	1BAKGCB A5KF355462	71	71	0	Y	N	BLUE BIRD MCC	30014-01	-	-	BLUE BIRD	BBCV3303S		BBCV3303S		



Limited Warranty: Gold 5/10 - Buses with Option 31300-24

If acquired, this warranty is in lieu of the standard limited warranty. This warranty is applicable to Blue Bird bus products T3FE, T3RE and BBCV built on or after August 29, 2016 specifically for and operated in the United States of America, Canada, Puerto Rico, U.S. Virgin Islands, Guam, and American Samoa.

Blue Bird Body Company (Blue Bird) warrants each bus to be free from defects in material and workmanship under normal use and service within the specified limits below. The warranty period begins either on the Delivery Date of the bus to the original user or on the Manufacture Date of the bus. Blue Bird's obligation is limited to the repair or replacement of such parts as shall, under normal use and service, appear to be defective in workmanship or material.

1. For ten years from Delivery Date:

- Front steer axle, including kingpin assembly, steering arm assembly, and upper and lower steering knuckle assembly, excluding kingpin bushings, kingpin wear, thrust bearings, tie rods and tie rod ends, brakes and axle end components.

2. For five years from Manufacture Date:

- Paint gloss. During first three years, gloss reading shall not drop below 60 on 60⁰ meter (70% of initial gloss). For five years, gloss reading shall not drop below 30 on 60⁰ meter.
- Paint color retention. During first three years, color coat shall not shift colors more than 4ΔE from the centroid of the national standard. For five years, color coat shall not shift colors more than 8ΔE from the centroid of the national standard.

3. For five years from Delivery Date:

- All other components not specified above, excluding engines, propane fuel systems, automatic transmissions, wheelchair lifts, non-Blue Bird air conditioners, and batteries. The warranties of the excluded components are the responsibility of the respective manufacturers, and are not a part of Blue Bird's limited warranty.

Your Blue Bird Dealer will register the bus with Blue Bird and can assist with registering components that are warranted by the component manufacturers. During the warranty period, this warranty is transferable to subsequent Owners-Operator in the U.S.A. or Canada.

THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED AND ALL OTHER OBLIGATIONS OR LIABILITIES. NO PERSON, INCLUDING SALESPERSONS, DEALERS, OR FACTORY REPRESENTATIVES OF BLUE BIRD, IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING BLUE BIRD PRODUCTS EXCEPT TO REFER PURCHASERS TO THIS LIMITED WARRANTY. BLUE BIRD MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BLUE BIRD SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Obtaining Warranty Service

Contact your Blue Bird Dealer immediately upon discovery of a defect and within the warranty period. Your Blue Bird Dealer will help arrange for repairs by the Dealer or another qualified repair facility. Defects must be repaired immediately upon discovery and within the warranty period. It is the responsibility of the Owner-Operator to return the bus to the Blue Bird Dealer, or a qualified repair facility authorized by the Blue Bird Dealer. The Owner-Operator is responsible for operating and maintaining the bus as described in the Driver Handbook and Service Manual. The Owner-Operator shall retain all maintenance records, and present them to the Blue Bird Dealer or the component manufacturer, if requested.

If the defective component is warranted by Blue Bird and the repair is performed by the Blue Bird Dealer, the Blue Bird Dealer will prepare and submit a warranty claim to Blue Bird.

If the defective component is warranted by Blue Bird and the repair is performed by the Owner-Operator or another qualified repair facility, detailed labor and parts invoices must be sent to the Blue Bird Dealer not later than 30 days after the repair date. The Blue Bird Dealer will prepare and submit a warranty claim to Blue Bird.

If the defective component is warranted by the component manufacturer and the repair is performed by the component manufacturer's authorized repair facility, the repair facility will prepare and submit a warranty claim to the component manufacturer.

Limitations and Exclusions

In addition to the limitations described on the previous pages, items specifically not covered include, but are not limited to:

- Engines, automatic transmissions, wheelchair lifts, air conditioners (other than Blue Bird Air™ system), tires, and batteries. The limited warranties for these components are provided solely by and are the responsibility of the component manufacturers and are not a part of Blue Bird's limited warranty.
- Loss of use and incidental consequential expenses, including but not limited to commercial loss, loss of commercial fares, driver time or pay, lease or rental of substitute vehicle, storage, lodging, meals, telephone calls, and other travel costs.
- Any parts or components which must be repaired, replaced, or adjusted during the warranty period due to wear, wear-out, or consumption, including but not limited to brake pads and linings, drums and rotors, wiper blades, light bulbs, filters, lubricants, fluids, belts, bearings other than those specifically covered by the limited warranty, suspension pins and bushings, batteries, worn seat covers, worn steptreads and floor covering, worn door and window seals, discharged fire extinguishers, damaged (scratched, cracked) gauge and light lenses, and tires. Wear not only includes friction-type wear but can also include environmental deterioration including but not limited to surface corrosion on exhaust pipes or clamps and brake drums or rotors, as well as fading, cracking, or discoloration of seat covers caused by U.V.
- Maintenance including but not limited to tightening loose fasteners, axle and wheel alignments, wheel-balancing, tightening body tie-downs, door adjustments, tightening hose clamps, and sealing or caulking windows, doors, roof hatches, and lights.
- Any parts or components which must be repaired, replaced or adjusted during the warranty period as a result of accident damage, abnormal operation, misuse, or abuse, including but not limited to excessive operation on unpaved or unmaintained roads, operation on cross-country trails or off-road conditions, collision, fire, vandalism, explosion, objects striking the vehicle, theft, freezing, riot, or flood.
- Paint adhesion, gloss, or color failures resulting from accidents or abrasions, road chemicals, caustic detergents or cleaners, or improper maintenance. Paint adhesion failures, whether warrantable defects or non-warrantable events, which are not repaired immediately upon discovery of the failure, may deteriorate the finish or panels underneath. Surface corrosion or other progressive deterioration resulting from failure to paint adhesion failures immediately is not covered by this warranty. Contact your Blue Bird Dealer before making any repairs to the paint finish.
- Paint gloss and color failures without evidence of proper care and maintenance, as recommended in the Driver Handbook, or repairs to correct paint gloss or color failures without preapproval by Blue Bird. Contact your Blue Bird Dealer before making any repairs to the paint finish.
- Vehicle modifications or equipment installations performed without the written approval of Blue Bird. To the extent the modifications or equipment installations adversely affect other vehicle components or performance, Blue Bird shall not accept any product liability or claims under the terms of the limited warranty. These claims become the sole responsibility of the company performing the modifications or installations.

- Transportation expenses to deliver the bus to a Blue Bird Dealer or nearest qualified repair facility, including but not limited to, fuel, driver time or pay, mileage and towing.
- Repairs to parts or components which have been previously replaced with parts not obtained from Blue Bird or failures caused by non-Blue Bird parts or components. Rework of repairs not performed by or approved by a Blue Bird Dealer.
- Excessive labor hours, premium labor costs, overtime labor costs, or local taxes. This limited warranty covers reasonable labor to perform replacement or repair.
- Defects not reported to a Blue Bird Dealer and repaired during the warranty period. Repairs are to be made immediately upon discovery of the defect.
- Damage caused by using improper or contaminated fluids, including but not limited to fuels, lubricants, and coolants. Damage caused by using fluids which do not meet Blue Bird's or the Manufacturers' minimum recommendations. Damage caused by the lack of fluids or improper fluid maintenance.
- Using non-Blue Bird service parts. Usage of non-Blue Bird parts will affect future warranty coverage.
- Overloading beyond the normal seated and standee capacity voids all warranties.

Blue Bird reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured. Any suit alleging a breach of this limited warranty or of any other alleged warranty, including any claim for rescission or revocation of acceptance, must be filed within one year of breach.

Controlling Law and Severability

This limited warranty shall be governed by and construed in accordance with the laws of the State of Georgia, U.S.A. The Owner-Operator agrees and consents to the exclusive jurisdiction of the courts of the State of Georgia for all purposes regarding this limited warranty and further agrees and consents that venue of any action involving this limited warranty or any other alleged warranty, including any claim for rescission or revocation of acceptance, shall be exclusively in Peach County, Georgia. Owner-Operator hereby submits to personal jurisdiction in Peach County, Georgia and waives any objection or argument related to venue, personal jurisdiction, forum non-convenience, or transfer. If any portion hereof is found to be void or unenforceable, the remaining provisions of the limited warranty shall remain in full force and effect.

TYPE A SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE A: 18 Capacity	TYPE A: 18 Capacity with Lift	TYPE A: 27 Capacity	TYPE A: 27 Capacity with Lift	TYPE A: 29 Capacity	TYPE A: 29 Capacity with Lift
			TYPE A: 18 Capacity	TYPE A: 18 Capacity with Lift	TYPE A: 27 Capacity	TYPE A: 27 Capacity with Lift	TYPE A: 29 Capacity	TYPE A: 29 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque		GM Vortec 6.0 V8 Gas	GM Vortec 6.0 V8 Gas	Ford 6.8 V10 EFI Gas	Ford 6.8 V10 EFI Gas	GM Vortec 6.0 V8 Gas	GM Vortec 6.0 V8 Gas
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges		6-sp Auto	6-sp Auto	6-sp Auto	6-sp Auto	6-sp Auto	6-sp Auto
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range		LT225/75R16E ALS	LT225/75R16E ALS	LT225/75RX16E	LT225/75RX16E	LT225/75R16E ALS	LT225/75R16E ALS
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A	Ricon K5510 800	N/A	Ricon K5510 800	N/A	Ricon K5510 800
	Standard Wheelchair Tie Down: Manuf, Model		N/A	QRT-Deluxe	N/A	QRT-Deluxe	N/A	QRT-Deluxe
	Base School Bus Price \$\$	Base price includes 3pt seat belt seats	63192	71402	70055	74649	67635	73563
	Base MFSAB Price \$\$	Base price includes 3pt seat belt seats	62995	70595	69850	74150	67055	72995
OPTIONAL CHASSIS EQUIPMENT PRICES								
[C1A] Front Tow Hooks			N/A	N/A	N/A	N/A	N/A	N/A
[C1B] Rear Tow Hooks			107	107	107	107	107	107
[C2] Spare Disc Wheel			250	250	250	250	250	250
[C3] Auto Trans Warranty (5 yr unlimited)			N/A	N/A	N/A	N/A	N/A	N/A
[C4] 75-100 Gallon Fuel Tank*			N/A	N/A	N/A	N/A	N/A	N/A
[C5] Low-Profile Radial Tires**			N/A	N/A	N/A	N/A	N/A	N/A
[C7] Type D Front Air Ride Suspension			N/A	N/A	N/A	N/A	N/A	N/A
[C6] 270 Amp L/N 4864 Alternator			N/A	N/A	N/A	N/A	N/A	N/A
[C8] Adjustable Pedals			N/A	N/A	N/A	N/A	N/A	N/A
[C9] 3000-PTS Transmission			N/A	N/A	N/A	N/A	N/A	N/A
[C10] Air Ride Rear Suspension			N/A	N/A	N/A	N/A	N/A	N/A
[C12] Straight Floor			N/A	STD	N/A	STD	N/A	STD
[C13] Auto Headlamp System			N/A	N/A	N/A	N/A	N/A	N/A
[C14] Air Disc Brakes			N/A	N/A	N/A	N/A	N/A	N/A
OPTIONAL BODY EQUIPMENT PRICES								
[B1] Pro Lo Hatch		Spheros Smart Hatch	55	55	55	55	55	55
[B3] Vandal Box w/Key			N/A	N/A	N/A	N/A	N/A	N/A
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA			N/A	N/A	N/A	N/A	N/A	N/A
[B5B] PA with Radio			387	387	387	387	387	387
[B5C] Stereo Radio (no PA)			STD	STD	STD	STD	STD	STD
[B6] Locking Door at Fuel Tank			N/A	N/A	N/A	N/A	N/A	N/A
[B7A] CE White Integrated Child Restraint Seat			450	450	450	450	450	450
[B7B] IMMI Child Safety Seat			N/A	N/A	N/A	N/A	N/A	N/A
[B7C] Syntech Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A
[B7D] BTI Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A
[B8] Exterior Body Light Monitor			334	334	334	334	334	334
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***		3pt Seat Belts Included	STD	STD	STD	STD	STD	STD
[B12] Full Perf. Ceiling Panel			1000	1000	1000	1000	1000	1000
[B13] Bus Lockup System			135	135	135	135	135	135
[B14] Wire Pupil Crossing Arm			N/A	N/A	N/A	N/A	N/A	N/A
[B15] Stainless Steel Mirror System (with non-corrosive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label			30	30	30	30	30	30
[B17] Red Light Emergency Door			40	40	40	40	40	40
[B18] Underseat Rear Heater		42K BTU	210	210	210	210	210	210
[B19] Tailpipe through Bumper			N/A	N/A	N/A	N/A	N/A	N/A
[B20] Powder-Coated Windows			275	275	275	275	275	275
[B21] Driver's Seat with Integrated Seat Belt			N/A	N/A	N/A	N/A	N/A	N/A
[B22] Delete W/C - Add Seat (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	N/A	N/A	N/A
[B23] Delete Seat - Add W/C (Lift Bus Only)		(Lift Bus Only)	N/A	646	N/A	646	N/A	646
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)		(Lift Bus Only)	N/A	200	N/A	200	N/A	200
[B25] Track Seating (Lift Bus Only)		(Lift Bus Only)	N/A	1980	N/A	2430	N/A	2386
[B26] Standard Track-seating Seat (Lift Bus Only)		(Lift Bus Only)	N/A	681	N/A	681	N/A	681
[B27] Driver's Seat with Integrated Seat Belt			N/A	N/A	N/A	N/A	N/A	N/A
Optional Tire								
(OPT1) Tire	Tire Manuf, Model, Size, Load range	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OPTIONAL WHEELCHAIR LIFT #1								
(Opt 1) Lift	Braun, Century Wheelchair Lift, 800 lb capacity, 34x54		N/A	450	N/A	450	N/A	450
(Opt 2) Lift	Ricon, Titanium, K5510, 1000 lb capacity, 33x54		N/A	950	N/A	950	N/A	950
(Opt 3) Lift	Braun, Century Wheelchair Lift, 1000 lb capacity, 34x54		N/A	800	N/A	800	N/A	800
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)								
(OPT1)WTORS	Q'Straint, QRT Max		N/A	120	N/A	120	N/A	120

TYPE A SCHOOL BUSES

		COMMENTS/NOTES	TYPE A: 18 Capacity	TYPE A: 18 Capacity with Lift	TYPE A: 27 Capacity	TYPE A: 27 Capacity with Lift	TYPE A: 29 Capacity	TYPE A: 29 Capacity with Lift
[AC-1] OPTIONAL AIR-CONDITIONING								
AC-1	MCC, EV A/C Ecotuned for Electric Model Only - 65K BTU total	Factory Installed	N/A	N/A	14250	14250	N/A	N/A
AC-2	Valeo, 40K Rear Bulkhead, skirt condenser, dash air - 55K BTU total	Factory Installed	5100	5100	5100	5100	5100	5100
AC-3	Valeo, 53K Rear Bulkhead, 2-fan skirt cond, TM16, dash air -68K BTU total	Factory Installed	6350	6350	6350	6350	6350	6350
AC-4	Valeo, 53K Rear Bulkhead, 2-fan roof cond, TM16, dash air - 68K BTU total	Factory Installed	6850	6850	6850	6850	6850	6850
AC-5	Valeo, 67k Rear Bulkhead, 2-fan skirtcond, TM16, dash air - 82K BTU total	factory Installed	7050	7050	7050	7050	7050	7050
ADDITIONAL AIR-CONDITIONER OPTIONS								
Manuf	Description							
OPTIONAL ENGINES								
TM4 Electric Motor, 215HP/206lb-ft (6) (18p Models include cost of Ford chassis from additional options)			152579	150363	147561	145712	N/A	N/A
Ford 7.3l V8 350HP/468ft-lb*,Fall 2020 (*final rating subject to EPA/CARB certification)			550	550	550	550	N/A	N/A
Manuf, Model, HP, Torque, fuel type								
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR								
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR								
Standard Number of Wheelchair Spaces:			N/A	1	N/A	1	N/A	1
Maximum Number of Wheelchair Spaces:			N/A	3	N/A	3	N/A	3
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	6	N/A	18	N/A	18
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES								
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES								
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A
WARRANTY OPTIONS								
Extended Engine Warranty	Manuf, Model, 60 Months/150,000 Miles		N/A	N/A	N/A	N/A	N/A	N/A
Extended Engine Warranty	Manuf, Model, 60 Months/200,000 Miles		N/A	N/A	N/A	N/A	N/A	N/A
Towing Warranty	60 Months/Unlimited Miles		N/A	N/A	N/A	N/A	N/A	N/A
Warranty Credit Option	12 Months/12,000 Miles ONLY (* see note)	Not applicable to electric	-5100	-5100	-5100	-5100	-5100	-5100
* By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.								
BAGGAGE COMPARTMENTS (Price is for ONE per bus)								
Luggage compartment availability may be limited based on optional equipment selections.								
ADDITIONAL OPTIONS								
6" Defroster fan			144	144	144	144	144	144
Electric heating system, 48K BTU - dual heaters; Electric Bus Only			N/A	N/A	9500	9500	N/A	N/A
AM/FM/CD/USB/PA System for Electric Bus Only			N/A	N/A	475	475	N/A	N/A
Emergency Evacuation Blanket			185	185	185	185	185	185
Ford chassis in lieu of GM for school bus configuration		Ford 6.8L V10 EFI Gas	3802	2722	STD	STD	N/A	N/A
Ford chassis in lieu of GM for MFSAB configuration		Ford 6.8L V10 EFI Gas	3109	3255	STD	STD	N/A	N/A
ADDITIONAL SEATING OPTIONS								
CE White Child Restraint Seat, 39" track mounted			N/A	681	N/A	681	N/A	681
CE White 3pt Seat Belt Seat, 39" track mounted			N/A	656	N/A	656	N/A	656
2 x 2 3pt seating in lieu of 3 rows of 3 x 3 3pt seating, GM/Ford 18p only		GM/Ford 18p only	2000	N/A	N/A	N/A	N/A	N/A

TYPE C SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque		No Bid	No Bid	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 250/660	Cummins B6.7, 250/660
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges		No Bid	No Bid	Allison 2500 PTS 5 SP	Allison 2500 PTS 5 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP	Allison 2500PTS, 6 SP
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range		No Bid	No Bid	Cooper, 255/70R22.5, LRH, RM272	Cooper, 255/70R22.5, LRH, RM272	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A	No Bid	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB
	Standard Wheelchair Tie Down: Manuf, Model		N/A	No Bid	N/A	Q'Straint Q8106-12	N/A	Q'Straint Q8106-12	N/A	Q'Straint Q8106-12	N/A	Q'Straint Q8106-12	N/A	Q'Straint Q8106-12
	Base School Bus Price \$\$		No Bid	No Bid	86943	94287	89510	95709	91687	96621	90632	96909	91070	100566
	Base MFSAB Price \$\$	Base price includes 3pt seat belt seats	No Bid	No Bid	No Bid	No Bid	91498	No Bid	96014	No Bid	95813	No Bid	96806	No Bid
OPTIONAL CHASSIS EQUIPMENT PRICES														
[C1A] Front Tow Hooks			N/A	N/A	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)
[C1B] Rear Tow Hooks			N/A	N/A	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)
[C2] Spare Disc Wheel			N/A	N/A	215	215	215	215	215	215	215	215	215	215
[C3] Auto Trans Warranty (5 yr unlimited)			N/A	N/A	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited
[C4] 75-100 Gallon Fuel Tank*			N/A	N/A	N/A	N/A	N/A	N/A	370 (100 Gal)	370 (100 Gal)	370 (100 Gal)	370 (100 Gal)	370 (100 Gal)	370 (100 Gal)
[C5] Low-Profile Radial Tires**			N/A	N/A	STD	STD	-125	-125	-125	-125	-125	-125	-125	-125
[C7] Type D Front Air Ride Suspension			N/A	N/A	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C	755 Type C
[C6] 270 AMP L/N 4864 Alternator		(1) 280 AMP L/N Brushless	N/A	N/A	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)
[C8] Adjustable Pedals			N/A	N/A	900	900	900	900	850	850	850	850	850	850
[C9] 3000-PTS Transmission		Requires B6.7 250HP	N/A	N/A	N/A	N/A	4285	4285	4285	4285	4285	4285	4285	4285
[C10] Air Ride Rear Suspension			N/A	N/A	STD	STD	900	900	900	900	900	900	900	900
[C12] Straight Floor		(2) Air Ride Rear Suspension included	N/A	N/A	STD	STD	N/A	305 (2)	N/A	305 (2)	N/A	325 (2)	N/A	350 (2)
[C13] Auto Headlamp System			N/A	N/A	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
[C14] Air Disc Brakes		(3) option does NOT require air suspension	N/A	N/A	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)	1789 (3)
OPTIONAL BODY EQUIPMENT PRICES														
[B1] Pro Lo Hatch			N/A	N/A	120	120	120	120	120	120	120	120	120	120
[B3] Vandal Box w/Key		Approximately 2750 cubic inches of storage	N/A	N/A	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA			N/A	N/A	395	395	395	395	395	395	395	395	395	395
[B5B] PA with Radio			N/A	N/A	550	550	620	620	620	620	620	620	620	620
[B5C] Stereo Radio (no PA)			N/A	N/A	465	465	465	465	465	465	465	465	465	465
[B6] Locking Door at Fuel Tank			N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
[B7A] CE White Integrated Child Restraint Seat			N/A	N/A	620	620	620	620	620	620	620	620	620	620
[B7B] IMMI Child Safety Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7C] Syntech Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7D] BTI Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B8] Exterior Body Light Monitor			N/A	N/A	185	185	185	185	185	185	185	185	185	185
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***		Standard for MFSAB; Price included in base	N/A	N/A	2890	1156	4624	1734	6358	4046	6936	4624	7514	4842
[B12] Full Perf. Ceiling Panel			N/A	N/A	580	580	580	580	580	580	580	580	580	580
[B13] Bus Lockup System			N/A	N/A	264	264	264	264	264	264	264	264	264	264
[B14] Wire Pupil Crossing Arm			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B15] Stainless Steel Mirror System (with non-corrosive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label			N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
[B17] Red Light Emergency Door			N/A	N/A	14	14	14	14	14	14	14	14	14	14
[B18] Underseat Rear Heater		(4) Heater may be limited to 50K BTU	N/A	N/A	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)
[B19] Tailpipe through Bumper			N/A	N/A	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
[B20] Powder-Coated Windows			N/A	N/A	220	220	220	220	220	220	220	220	220	220
[B21] Driver's Seat with Integrated Seat Belt			N/A	N/A	475	475	475	475	475	475	475	475	475	475
[B22] Delete W/C - Add Seat (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	-426	N/A	-426	N/A	-426	N/A	-426	N/A	-426
[B23] Delete Seat - Add W/C (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	426	N/A	426	N/A	426	N/A	426	N/A	426
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	125 per position	N/A	125 per position	N/A	125 per position	N/A	125 per position	N/A	125 per position
[B25] Track Seating (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	1204	N/A	2604	N/A	4124	N/A	4834	N/A	5434
[B26] Standard Track-seating Seat (Lift Bus Only)		(Lift Bus Only)	N/A	N/A	N/A	372	N/A	372	N/A	372	N/A	372	N/A	372
[B27] Driver's Seat with Integrated Seat Belt			N/A	N/A	475	475	475	475	475	475	475	475	475	475
Optional Tire														
[OPT1] Tire	Goodyear, 11R22.5, LRH Endurance RSA		N/A	N/A	N/A	N/A	455	455	455	455	455	455	455	455
[OPT2] Tire	Goodyear, 255/70R22.5, LRH Endurance RSA		N/A	N/A	595	595	595	595	595	595	595	595	595	595
[OPT4] Tire	Michelin, 255/70R22.5, LRH XZE		N/A	N/A	375	375	375	375	375	375	375	375	375	375
[OPT5] Tire	Cooper, 11R22.5, LRH, RHA		N/A	N/A	N/A	N/A	200	200	200	200	200	200	200	200
OPTIONAL WHEELCHAIR LIFT #1														
[Opt 1] Lift	Braun, NCL1000FIB		N/A	N/A	N/A	305	N/A	305	N/A	305	N/A	305	N/A	305
[Opt 2] Lift	Ricon, RIS5510 1000 LB		N/A	N/A	N/A	755	N/A	755	N/A	755	N/A	755	N/A	755
[Opt 3] Lift	Ricon, RIK5510 1000 LB		N/A	N/A	N/A	920	N/A	920	N/A	920	N/A	920	N/A	920
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)														
[OPT1]WTORS	Sure-Lok FF6125-4C7	Replaces all three sets	N/A	N/A	N/A	60	N/A	60	N/A	60	N/A	60	N/A	60
[OPT2]WTORS	AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-track	Replaces all three sets	N/A	N/A	N/A	180	N/A	180	N/A	180	N/A	180	N/A	180
[OPT3]WTORS	AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-track	\$460/each extra	N/A	N/A	N/A	460/each	N/A	460/each	N/A	460/each	N/A	460/each	N/A	460/each

TYPE C SCHOOL BUSES

		COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
[AC-1] OPTIONAL AIR-CONDITIONING														
AC-Electric1	Valeo/Spheros REVO E Global, Ducted, Roof Mounted	Electric option only	N/A	N/A	N/A	N/A	N/A	N/A	36250	36250	36250	36250	36250	36250
AC-Blue Bird ComfortAire-1	BB, ComfortAire, 133,700 BTU, 126, includes 280 AMP L/N Alternator	Factory Installed	N/A	N/A	N/A	N/A	8900	8900	8900	8900	8900	8900	8900	8900
AC-Bergstrom1	(2)TM-21 / Dash, Front & Rear BH evaps, skirt cond; 120K BTU, 98AMPS	RBH2FBH25C35C3-2121	N/A	N/A	7,651	7,511	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AC-Bergstrom2	(2)TM-21 / Dash, Front & Rear BH evaps, skirt cond; 130K BTU, 98AMPS	RBH2FBH25C35C3-2121D	N/A	N/A	N/A	N/A	8,711	8,571	8,711	8,571	8,711	8,571	8,711	8,571
AC-Bergstrom2-Ford	(2) QP-21 / Dash, Front & Rear BH evaps, skirt cond; 130K BTU, 98AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	8,900	8,900	8,900	8,900	8,900	8,900	8,900	8,900
AC-Trans/ArcticMCC1	(2)QP-21 / Dash, Front & Rear BH evaps, skirt cond; 124 BTU, 126 AMPS	AC-121w11w133d	N/A	N/A	9,870	9,730	9,870	9,730	9,830	9,730	N/A	N/A	N/A	N/A
AC-Trans/ArcticMCC1-Ford	(2)TM-21 / Dash, Front & Rear BH evaps, skirt cond; 124 BTU, 126 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	10,369	10,369	10,369	10,369	N/A	N/A	N/A	N/A
AC-Trans/ArcticMCC2	(2)TM-21 / Dash, Side, Front & Rear BH evaps, skirt cond; 124 BTU, 140 AMPS	AC-121w171w133d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,065	10,925	11,065	10,925
AC-Trans/ArcticMCC2-Ford	(2)QP-21 / Dash, Side, Front & Rear BH evaps, skirt cond; 124 BTU, 140 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,564	11,564	11,564	11,564
AC-Trans/ArcticMCC3	(2)TM-21 /Dash, Front & Rear BH evaps, roof cond, 124K BTU, 126 AMPS	AC-121w11w1cr4cr4d	N/A	N/A	11,340	11,340	11,340	11,340	11,340	11,340	N/A	N/A	N/A	N/A
AC-Trans/ArcticMCC3-Ford	(2)QP-21 /Dash, Front & Rear BH evaps, roof cond, 124K BTU, 126 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	11,839	11,839	11,839	11,839	N/A	N/A	N/A	N/A
AC-Trans/ArcticMCC4	(2)TM-21 /Dash, Side, Front & Rear BH evaps, roof cond, 124K BTU, 140 AMPS	AC-121w11w1cr4cr4d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12,520	12,520	12,520	12,520
AC-Trans/ArcticMCC4-Ford	(2)TM-21 /Dash, Front & Rear BH evaps, roof cond, 124K BTU, 140 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13,019	13,019	13,019	13,019
AC-Trans/ArcticMCC5	(2)QP25 / Dash, T340 Evap, roof mount integrated, 28kW, 136 AMPS	DC-T340D-25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12,520	12,520	12,520	12,520
AC-Trans/ArcticMCC5-Ford	(2)QP21 / Dash, T340 Evap, roof mount integrated, 28kW, 136 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12,520	12,520	12,520	12,520
AC-Trans/Arctic-Elec	Integrated Electric System for BB Electric Only (available 12/20)	Electric option only	N/A	N/A	N/A	N/A	N/A	N/A	21,250	21,250	21,250	21,250	21,250	21,250
AC-LukeMCC1	(2)QP16 / Dash and Rear BH Evap, skirt cond, 85K BTU, 80 AMPS	AC-931W112	N/A	N/A	9,678	9,678	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AC-LukeMCC2	(2)QP21 / Front and Rear BH Evaps, skirt cond, 100K BTU, 95 AMPS	AC-10W1W122	N/A	N/A	N/A	N/A	9,845	9,845	N/A	N/A	N/A	N/A	N/A	N/A
AC-LukeMCC2-Ford	(2)QP21 / Front and Rear BH Evaps, skirt cond, 100K BTU, 95 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	10,377	10,377	N/A	N/A	N/A	N/A	N/A	N/A
AC-LukeMCC3	(2)QP21 / Dash, Front & Rear BH Evaps, skirt cond, 135 BTU, 120 AMPS	AC-1331W1W133	N/A	N/A	N/A	N/A	N/A	N/A	11,984	11,984	11,984	11,984	11,984	11,984
AC-LukeMCC3-Ford	(2)QP21 / Dash, Front & Rear BH Evaps, skirt cond, 135 BTU, 120 AMPS	Ford engines only. Includes 280 AMP L/N	N/A	N/A	N/A	N/A	N/A	N/A	11,531	11,531	11,531	11,531	11,531	11,531
AC-LukeMCC4	(1)QP-43 (1)-QP16 / Dash, F&R BH Evaps, skirt cond, 153K BTU, 128 AMPS	AC-1531W1W1133	N/A	N/A	N/A	N/A	N/A	N/A	13,741	13,741	13,741	13,741	13,741	13,741
AC-Vanner	Vanner power module, battery module, 48v generator and harnesses	Electric Add On (in addition to base system)	N/A	N/A	N/A	N/A	20,500	20,500	20,500	20,500	20,500	20,500	20,500	20,500
AC-Trans/Air1	(1)QP16 / Dash and Rear BH Evap, skirt cond, 75K BTU, 74 AMPS	55-3L-Dash-Tie	N/A	N/A	7,509	7,509	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AC-Trans/Air2	(2)QP21 / Dash, Front and Rear BH Evaps, skirt cond, 120K BTU, 128 AMPS	55-55-3L-3L-Dash Tie	N/A	N/A	N/A	N/A	9,619	9,619	N/A	N/A	N/A	N/A	N/A	N/A
AC-Trans/Air3	(2)QP25 / Dash, Side, Front and Rear evaps, 150K BTU, 138 AMPS	55-55-93-3L-3L-Dash Tie	N/A	N/A	N/A	N/A	N/A	N/A	12,334	12,194	12,334	12,194	12,334	12,194
ADDITIONAL AIR-CONDITIONER OPTIONS														
Bergstrom	Midship Ceiling mount evap addition	Bergstrom	N/A	N/A	1,013	1,013	1,013	1,013	1,013	1,013	1,013	1,013	1,013	1,013
Bergstrom	Roof mount condensor upgrade in lieu of skirt	Bergstrom	N/A	N/A	991	991	991	991	1,275	1,275	1,275	1,275	1,275	1,275
Bergstrom	TM-43 compressor upgrade	Valeo	N/A	N/A	1,758	1,758	1,758	1,758	1,758	1,758	1,758	1,758	1,758	1,758
Bergstrom	TM-55 compressor upgrade	Valeo	N/A	N/A	1,858	1,858	1,858	1,858	1,858	1,858	1,858	1,858	1,858	1,858
Bergstrom	Battery Charging Solar Panel, installed	50 watt / 80 watt	N/A	N/A	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)	625 (50W) / 825 (80W)
Bergstrom	Eaton Aero-Quip Hose and Fittings in lieu of Standard	All Models	N/A	N/A	315	315	315	315	315	315	315	315	315	315
Trans/Arctic	TM55 inlieu of TM21 on Type C	N/A on Ford engines	N/A	N/A	NA	NA	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900
Trans/Arctic	Add Mid Ship Evap EM-7	All Models	N/A	N/A	NA	NA	1,195	1,195	1,195	STD	STD	STD	STD	STD
Trans/Arctic	3 Compressor with dash dedicated TM16, single fan condenser, 5 YR Warranty	Trans/Arctic Systems 1-4, Cummins	N/A	N/A	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
Trans/Arctic	Stand Alone Dash A/C cool only, TM16, single fan condenser, 5 YR Warranty	DASH AIR ONLY	N/A	N/A	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
Trans/Arctic	Aero-Quip Type "E" flex click hose STD on Trans/Arctic Systems 1,2,3,4	AC-Trans/Arctic Systesms 1,2,3,4	N/A	N/A	NA	NA	STD	STD	STD	STD	STD	STD	STD	STD
LukeMCC	Roof mount condensor upgrade in lieu of skirt	MCC	N/A	N/A	1,337	1,337	2,947	2,947	3,165	3,165	3,165	3,165	3,165	3,165
LukeMCC	Midship Ceiling mount evap addition	MCC	N/A	N/A	2,140	2,140	2,140	2,140	2,140	2,140	2,140	2,140	2,140	2,140
LukeMCC	TM-43 compressor upgrade in lieu of (2) QP-21	MCC	N/A	N/A	N/A	N/A	N/A	N/A	1,200	1,200	1,200	1,200	1,200	1,200
LukeMCC	TM-55 compressor upgrade in lieu of (2) QP-21	MCC	N/A	N/A	N/A	N/A	N/A	N/A	1,927	1,927	1,927	1,927	1,927	1,927
Trans/Air	TM-43 compressor upgrade	Trans/Air	N/A	N/A	1248	1248	1248	1248	1248	1248	1248	1248	1248	1248
OPTIONAL ENGINES														
Cummins, B6.7, 220/520			N/A	N/A	530	530	530	530	530	530	530	530	N/A	N/A
Cummins B6.7, 240/560			N/A	N/A	990	990	990	990	990	990	990	990	-1600	-1600
Cummins, B6.7, 250/660			N/A	N/A	2860	2860	2860	2860	2860	2860	2860	2860	STD	STD
Ford 6.8L Gas Engine, 320HP/460lb-ft, Ford 6R140 6-speed transmission (5)			N/A	N/A	N/A	N/A	-3600	-3600	-4100	-4100	-3300	-3300	-5000	-5000
Ford 6.8L LPG Engine, 320HP/460lb-ft, Ford 6R140 6-speed transmission (5)			N/A	N/A	N/A	N/A	6650	5139	5766	6656	6157	6603	4026	4492
Ford 6.8L CNG Engine, 269HP/386lb-ft, Ford 6R140 6-speed transmission (5)			N/A	N/A	N/A	N/A	N/A	N/A	26250	26250	28450	28450	29650	29650
Ford 7.3L Gas Engine, 350HP/468lb-ft*, Ford 6R140 6-speed transmission (*ratings subject to EPA/CARB cert) (5)		Available Fall 2020	N/A	N/A	N/A	N/A	-3600	-3600	-4100	-4100	-3300	-3300	-5000	-5000
Ford 7.3L LPG Engine, 350HP/468lb-ft*, Ford 6R140 6-speed transmission (*ratings subject to EPA/CARB cert)(5)		Available Fall 2020	N/A	N/A	N/A	N/A	6650	5139	5766	6656	6157	6603	4026	4492
TM4 Electric Motor; 315HP/2176lb-ft (6)		Electric option only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	233548	233548	N/A	N/A
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR														
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	3	N/A	3	N/A	3	N/A	3	N/A	3
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	5	N/A	7	N/A	11	N/A	11	N/A	12
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	N/A	N/A	10	N/A	12	N/A	26	N/A	26	N/A	30
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR														
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	3	N/A	3	N/A	3	N/A	3	N/A	3
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	7	N/A	N/A	N/A	11	N/A	11	N/A	12
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	N/A	N/A	12	N/A	24	N/A	42	N/A	45	N/A	54
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES														
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	3	N/A	3	N/A	3	N/A	3
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	3	N/A	8	N/A	9	N/A	9
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	N/A	N/A	N/A	N/A	14	N/A	26	N/A	30	N/A	32
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES														
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	3	N/A	3	N/A	3	N/A	3
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	3	N/A	9	N/A	9	N/A	9
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	N/A	N/A	N/A	N/A	14	N/A	42	N/A	45	N/A	54

TYPE C SCHOOL BUSES

		COMMENTS/NOTES	TYPE C LIGHT: 29 Capacity	TYPE C LIGHT: 29 Capacity with Lift	TYPE C: 29 Capacity	TYPE C: 29 Capacity with Lift	TYPE C: 47 Capacity	TYPE C: 47 Capacity with Lift	TYPE C: 65 Capacity	TYPE C: 65 Capacity with Lift	TYPE C: 71 Capacity	TYPE C: 71 Capacity with Lift	TYPE C: 77 Capacity	TYPE C: 77 Capacity with Lift
WARRANTY OPTIONS														
Extended Engine Warranty	Cummins B6.7, 60 Months/200,000 Miles	EXC Coverage	N/A	N/A	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Extended Engine Warranty	Cummins B6.7, 60 Months/Unlimited Miles	EXC Coverage	N/A	N/A	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
Extended Engine Warranty	Cummins B6.7, 120 Months/200,000 Miles	EXC Coverage	N/A	N/A	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250
Extended Engine Warranty	Cummins B6.7, 120 Months/Unlimited Miles	EXC Coverage	N/A	N/A	4900	4900	4900	4900	4900	4900	4900	4900	4900	4900
Extended Engine Warranty	Roush, CNG, 7 YR/Unlimited Mileage for Roush CleanTech components	Roush CleanTech CNG	N/A	N/A	N/A	N/A	N/A	N/A	1150	1150	1150	1150	1150	1150
Extended Engine Warranty	Roush, LPG/Gas, 7 YR/Unlimited Mileage for Roush CleanTech components	Roush CleanTech Gas/LPG	N/A	N/A	N/A	N/A	N/A	815	815	815	815	815	815	815
Extended Engine Warranty	Roush, LPG/CNG, 10 YR/Unlimited Mileage for Roush CleanTech components	Roush CleanTech LPG/CNG	N/A	N/A	N/A	N/A	1730	1730	1730	1730	1730	1730	1730	1730
Extended Engine Warranty	Roush, Gas, 10 YR/Unlimited Mileage for Roush CleanTech components	Roush CleanTech Gas	N/A	N/A	N/A	N/A	1015	1015	1015	1015	1015	1015	1015	1015
Extended Engine Warranty	Ford 7 Years Engine, 7 Years Transmission (31300-75)	Ford Engines/Transmissions Only	N/A	N/A	N/A	N/A	3010	3010	3010	3010	3010	3010	3010	3010
Towing Warranty	60 Months/Unlimited Miles		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Warranty Credit Option	12 Months/12,000 Miles ONLY (* see note)	See Appendix I for Coverage Details	N/A	N/A	-3200	-3200	-3200	-3200	-3200	-3200	-3200	-3200	-3200	-3200
* By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.														
BAGGAGE COMPARTMENTS (Price is for ONE per bus)														
Single Door, 16 cubic feet			N/A	N/A	N/A	N/A	700	700	700	700	700	700	700	700
Double Door, 22.7 cubic feet			N/A	N/A	N/A	N/A	N/A	N/A	1035	1035	1035	1035	1035	1035
Double Door, 28.4 cubic feet			N/A	N/A	N/A	N/A	N/A	N/A	1100	1100	1100	1100	1100	1100
Luggage compartment availability may be limited based on optional equipment selections.														
ADDITIONAL OPTIONS														
325 AMP Leece Neville brushless alternator		Leece/Neville	N/A	N/A	470	470	470	470	470	470	470	470	470	470
Convert ACME connector to Euro/Stuabli		Type C BBCV	N/A	N/A	275	275	275	275	275	275	275	275	275	275
Exterior light, LED, boarding area, 50W		Blue Bird	N/A	N/A	250	250	250	250	250	250	250	250	250	250
Exterior light, LED, boarding area, both sides 110W each light (over entrance door & driver window)		Blue Bird	N/A	N/A	515	515	515	515	515	515	515	515	515	515
Heated Mirrors		Blue Bird	N/A	N/A	200	200	200	200	200	200	200	200	200	200
Route Changer Sign		Reflective Imaging	N/A	N/A	75	75	75	75	75	75	75	75	75	75
80K BTU rear wall mounted heater		Blue Bird	N/A	N/A	700	700	700	700	700	700	700	700	700	700
Convection heating system for electric bus		Electric Bus Only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1350	N/A	N/A	N/A
Tag and Title processing, per unit		FTS - Tag/Title	N/A	N/A	225	225	225	225	225	225	225	225	225	225
VGT Exhaust Brake (N/A with Ford Engine)		Cummins Only	N/A	N/A	72	72	72	72	72	72	72	72	72	72
Two-way radio installed, district provided		FTS -2Way	N/A	N/A	150	150	150	150	150	150	150	150	150	150
Open View mirror system		Blue Bird	N/A	N/A	236	236	236	236	236	236	236	236	236	236
Rosco Back-up camera and mirror		Rosco	N/A	N/A	454	454	454	454	454	454	454	454	454	454
Stainless Steel exhaust		Blue Bird	N/A	N/A	365	365	365	365	365	365	365	365	365	365
Extended range tank for LPG engine on Vision, 98gal		Blue Bird LPG only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	900	N/A	900	900
CNG dual fill front for CNG with Blue Bird Vision		Blue Bird CNG only	N/A	N/A	N/A	N/A	N/A	N/A	1155	1155	1155	1155	1155	1155
CNG dual fill rear for CNG with Blue Bird Vision		Blue Bird CNG only	N/A	N/A	N/A	N/A	N/A	N/A	1335	1335	1335	1335	1335	1335
CNG fast fill for CNG with Blue Bird Vision		Blue Bird CNG only	N/A	N/A	N/A	N/A	N/A	N/A	2100	2100	2100	2100	2100	2100
Bus Numbers on roof		FTS-#’s	N/A	N/A	125	125	125	125	125	125	125	125	125	125
ES Compleat OAT Coolant Factory Fill (N/A with Ford engine)		Cummins Only	N/A	N/A	125	125	125	125	125	125	125	125	125	125
ADA Handrail in stepwell (specify front, rear or both)		Blue Bird	N/A	N/A	129 each	129 each	129 each	129 each	129 each	129 each	129 each	129 each	129 each	129 each
Air tank drain valve (specify electric or manual-same cost)		Blue Bird	N/A	N/A	295	295	295	295	295	295	295	295	295	295
Bostrom Routemaster Air Suspension Driver’s Seat		Bostrom	N/A	N/A	325	325	325	325	325	325	325	325	325	325
Driver’s 6” auxiliary cooling fan		Blue Bird	N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Stainless Steel battery tray		Blue Bird	N/A	N/A	145	145	145	145	145	145	145	145	145	145
Glove box and LH console storage		Blue Bird	N/A	N/A	104	104	104	104	104	104	104	104	104	104
Cup Holder		Blue Bird	N/A	N/A	45	45	45	45	45	45	45	45	45	45
Extra ignition keys (2 per bus provided, keyed alike)		FTS -Keys	N/A	N/A	5/each	5/each	5/each	5/each	5/each	5/each	5/each	5/each	5/each	5/each
Level 2 AC Charging Station, 19.2 kW charge rate		Nuvee Corporation	N/A	N/A	N/A	N/A	N/A	N/A	2000	2000	2000	2000	N/A	N/A
V2G Integration, electric bus		Blue Bird	N/A	N/A	N/A	N/A	N/A	N/A	6500	6500	6500	6500	N/A	N/A
PowerPort Mount Pedestal		Nuvee Corporation	N/A	N/A	N/A	N/A	N/A	N/A	1500	1500	1500	1500	N/A	N/A
DC Fast Charging Station, 60kW		Nuvee Corporation	N/A	N/A	N/A	N/A	N/A	N/A	65000	65000	65000	65000	N/A	N/A
Contract Labor Service Charge		FTS -Labor/SVC	N/A	N/A	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr
CE White Portable Child Restraint (call for volume purchase discounts)		CEW-PCR 900-474	N/A	N/A	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea
Bergstrom, warranty credit for base 3 YR warranty in lieu of 5 years		3 Years / Unlimited Miles	N/A	N/A	-1022	-1022	-1022	-1022	-1200	-1200	-1200	-1200	-1200	-1200
Trans/Arctic, warranty credit for base 3 YR warranty in lieu of 5 years (Systems 1-4)		3 Years / Unlimited Miles	N/A	N/A	NA	NA	-1,020	-1,020	-1,020	-1,020	-1,235	-1,235	-1,235	-1,235
LukeMCC warranty credit for base 3 YR warranty in lieu of 5 years, TM55 system		3 Years / Unlimited Miles	N/A	N/A	-280	-280	-280	-310	-310	-310	-310	-310	-310	-310
Emergency Evacuation Blanket, Tie-Tech Evac-Aide		Blue Bird	N/A	N/A	160	160	160	160	160	160	160	160	160	160
Grey rubber flooring		Blue Bird	N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Two piece curved windshield		Blue Bird	N/A	N/A	110	110	110	110	110	110	110	110	110	110
Tailpipe, under bumper LH with turndown		BBCV	N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C
Grey painted wheels, 8 25x22.5 5 HH		MFSAB	N/A	N/A	50	50	50	50	50	50	50	50	50	50
Aluminum wheels, 8 25x22.5														
DSC Hub Piloted		MFSAB	N/A	N/A	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Aluminum wheels, 8 25x22.5														
DSC Hub Piloted w/o -hub covers, lugnut covers, valve extensions		MFSAB	N/A	N/A	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450
Covers, wheels, polished stainless steel		MFSAB	N/A	N/A	425	425	425	425	425	425	425	425	425	425
ADDITIONAL SEATING OPTIONS														
HSM 3pt Seat belt seat, Track Mounted, 30"		HSM	N/A	N/A	550	550	550	550	550	550	550	550	550	550
HSM 3pt Seat belt seat, Track Mounted, 39"		HSM	N/A	N/A	650	650	650	650	650	650	650	650	650	650
HSM 3pt Seat belt seat with child restraint, 39"		HSM	N/A	N/A	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040
HSM 3pt Seat belt seat with child restraint, Track Mounted, 39"		HSM	N/A	N/A	880	880	880	880	880	880	880	880	880	880
HSM child restraint seat with lap belts, 30"		HSM	N/A	N/A	605	605	605	605	605	605	605	605	605	605
HSM child restraint seat with lap belts, Track Mounted, 30"		HSM	N/A	N/A	640	640	640	640	640	640	640	640	640	640
HSM child restraint seat with lap belts, Track Mounted, 39"		HSM	N/A	N/A	800	800	800	800	800	800	800	800	800	800
Arm rest, National Driver's Seat, LH		National	N/A	N/A	33	33	33	33	33	33	33	33	33	33
Arm rest, National Driver's Seat, RH		National	N/A	N/A	33	33	33	33	33	33	33	33	33	33
Freedman Family Seat, 35"		Freedman	N/A	N/A	460	460	460	460	460	460	460	460	460	460
Freedman Family Seat, 35" Davenport		Freedman	N/A	N/A	465	465	465	465	465	465	465	465	465	465
Freedman Family Seat, 3pt seat belt seat, 35"		HSM	N/A	N/A	685	685	685	685	685	685	685	685	685	685
HSM LATCH positions (\$45/one, \$82/two)		HSM	N/A	N/A	50	50	60	60	75	75	90	90	100	100
Retractable seat belts in lieu of lap belts, per bus														
Please consult with FTS for seat plans														

TYPE D [FE] SCHOOL BUSES

LEGEND:	STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE D FRONT ENGINE (FE): 71 Capacity	TYPE D FRONT ENGINE (FE): 71 Capacity with Lift	TYPE D FRONT ENGINE (FE): 77 Capacity	TYPE D FRONT ENGINE (FE): 77 Capacity with Lift	TYPE D FRONT ENGINE (FE): 83 Capacity	TYPE D FRONT ENGINE (FE): 83 Capacity with Lift	TYPE D FRONT ENGINE (FE): 89 Capacity	TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
[STD] = STANDARD EQUIPMENT	Standard Engine: Manuf, Model, HP, Torque		Cummins B6.7, 200/520	Cummins B6.7, 200/520	Cummins B6.7, 250/660	Cummins B6.7, 250/660	Cummins B6.7, 250/660	Cummins B6.7, 250/660	No Bid	No Bid
N/A = NOT APPLICABLE	Standard Transmission: Manuf, Model, # of fwd ranges		Allison 2500PTS, 5 SP	Allison 2500PTS, 5 SP	Allison 3000PTS, 5 SP	Allison 3000PTS, 5 SP	Allison 3000PTS, 5 SP	Allison 3000PTS, 5 SP	No Bid	No Bid
N/C= NO CHARGE	Standard Tire: Manuf, Model, Size, Load Range		Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	No Bid	No Bid
N/B= NO BID	Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	No Bid	No Bid
	Standard Wheelchair Tie Down: Manuf, Model		N/A	Q'Straint Q8106-L2	N/A	Q'Straint Q8106-L2	N/A	Q'Straint Q8106-L2	No Bid	No Bid
	Base School Bus Price \$\$		105616	109873	111849	116086	112543	117096	No Bid	No Bid
	Base MFSAB Price \$\$	Base price includes 3pt seat belt seats	110269	No Bid	No Bid	No Bid	118043	No Bid	No Bid	No Bid
OPTIONAL CHASSIS EQUIPMENT PRICES										
[C1A] Front Tow Hooks			53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	53 (34 tow eyes)	N/A	N/A
[C1B] Rear Tow Hooks			170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	170 (51 tow eyes)	N/A	N/A
[C2] Spare Disc Wheel			215	215	215	215	215	215	N/A	N/A
[C3] Auto Trans Warranty (5 yr unlimited)			7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	N/A	N/A
[C4] 75-100 Gallon Fuel Tank*			370	370	370	370	370	370	N/A	N/A
[C5] Low-Profile Radial Tires**			-125	-125	-125	-125	-125	-125	N/A	N/A
[C7] Type D Front Air Ride Suspension			945	945	945	945	945	945	N/A	N/A
[C6] 270 Amp L/N 4864 Alternator	(1) 280 AMP L/N Brushless		330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	N/A	N/A
[C8] Adjustable Pedals			1000	1000	1000	1000	1000	1000	N/A	N/A
[C9] 3000-PTS Transmission			4285	4285	STD	STD	STD	STD	N/A	N/A
[C10] Air Ride Rear Suspension			1021	1021	1021	1021	1021	1021	N/A	N/A
[C12] Straight Floor	(2) Straight floor inc. air ride rear susp		N/A	400(2)	N/A	N/A	N/A	N/A	N/A	N/A
[C13] Auto Headlamp System			STD	STD	STD	STD	STD	STD	N/A	N/A
[C14] Air Disc Brakes	(3) option does NOT require air suspension		1789 (3)	1789	1789	1789	1789	1789	N/A	N/A
OPTIONAL BODY EQUIPMENT PRICES										
[B1] Pro Lo Hatch			120	120	120	120	120	120	N/A	N/A
[B3] Vandal Box w/Key	Approximately 2750 cubic inches of storage		STD	STD	STD	STD	STD	STD	N/A	N/A
[B4] 76" High Headroom (minimum)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA			395	395	395	395	395	395	N/A	N/A
[B5B] PA with Radio			550	550	550	550	550	550	N/A	N/A
[B5C] Stereo Radio (no PA)			465	465	465	465	465	465	N/A	N/A
[B6] Locking Door at Fuel Tank			N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
[B7A] CE White Integrated Child Restraint Seat			620	620	620	620	620	620	N/A	N/A
[B7B] IMMI Child Safety Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7C] Syntech Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7D] BTI Integrated Child Restraint Seat			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B8] Exterior Body Light Monitor			185	185	185	185	185	185	N/A	N/A
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***	Standard for MFSAB; Price included in base		6936	4624	7514	4842	7532	5111	N/A	N/A
[B12] Full Perf. Ceiling Panel			629	629	629	629	629	629	N/A	N/A
[B13] Bus Lockup System			320	320	320	320	320	320	N/A	N/A
[B14] Wire Pupil Crossing Arm			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)			[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label			N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
[B17] Red Light Emergency Door			14	14	14	14	14	14	N/A	N/A
[B18] Underseat Rear Heater	(4) Heater may be limited to 50K BTU		555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	555 (4)	N/A	N/A
[B19] Tailpipe through Bumper			STD	STD	STD	STD	STD	STD	N/A	N/A
[B20] Powder-Coated Windows			220	220	220	220	220	220	N/A	N/A
[B21] Driver's Seat with Integrated Seat Belt			475	475	475	475	475	475	N/A	N/A
[B22] Delete W/C - Add Seat (Lift Bus Only)	(Lift Bus Only)		N/A	-426	N/A	-426	N/A	-426	N/A	N/A
[B23] Delete Seat - Add W/C (Lift Bus Only)	(Lift Bus Only)		N/A	426	N/A	426	N/A	426	N/A	N/A
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)	(Lift Bus Only)		N/A	125 per position	N/A	125 per position	N/A	125 per position	N/A	N/A
[B25] Track Seating (Lift Bus Only)	(Lift Bus Only)		N/A	4820	N/A	5400	N/A	5970	N/A	N/A
[B26] Standard Track-seating Seat (Lift Bus Only)	(Lift Bus Only)		N/A	372	N/A	372	N/A	372	N/A	N/A
[B27] Driver's Seat with Integrated Seat Belt			475	475	475	475	475	475	N/A	N/A
Optional Tire										
(OPT1) Tire	Goodyear, 11R22.5, LRH Endurance RSA		455	455	455	455	455	455	N/A	N/A
(OPT2) Tire	Goodyear, 255/70R22.5, LRH Endurance RSA		595	595	595	595	595	595	N/A	N/A
(OPT4) Tire	Michelin, 255/70R22.5, LRH XZE		375	375	375	375	375	375	N/A	N/A
(OPT5) Tire	Cooper, 11R22.5, LRH, RHA		200	200	200	200	200	200	N/A	N/A
OPTIONAL WHEELCHAIR LIFT #1										
(Opt 1) Lift	Braun, NCL1000FIB		N/A	305	N/A	305	N/A	305	N/A	N/A
(Opt 2) Lift	Ricon, RIS5510 1000 LB		N/A	755	N/A	755	N/A	755	N/A	N/A
(Opt 3) Lift	Ricon, RIK5510 1000 LB		N/A	920	N/A	920	N/A	920	N/A	N/A
OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)										
(OPT1)WTORS	Sure-Lok FF612S-4C7	Replaces all three sets	N/A	60	N/A	60	N/A	60	N/A	N/A
(OPT2)WTORS	AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-trac	Replaces all three sets	N/A	180	N/A	180	N/A	180	N/A	N/A
(OPT3)WTORS	AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-trac	\$460/each extra	N/A	460/ea	N/A	460/ea	N/A	460/ea	N/A	N/A
(OPT4)WTORS	Manuf, Model									

TYPE D [RE] SCHOOL BUSES

LEGEND:		STANDARD EQUIPMENT / BASE BUS PRICE	COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
[STD] = STANDARD EQUIPMENT		Standard Engine: Manuf, Model, HP, Torque		Cummins B6.7, 220/520	Cummins B6.7, 220/520	Cummins B6.7, 250/660	Cummins B6.7, 250/660	Cummins B6.7, 250/660	Cummins B6.7, 250/660	No Bid	No Bid
N/A = NOT APPLICABLE		Standard Transmission: Manuf, Model, # of fwd ranges		Allison 2500PTS, 5 SP	Allison 2500PTS, 5 SP	Allison 3000PTS, 6 SP	Allison 3000PTS, 6 SP	Allison 3000PTS, 6 SP	Allison 3000PTS, 6 SP	No Bid	No Bid
N/C= NO CHARGE		Standard Tire: Manuf, Model, Size, Load Range		Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	Cooper, 11R22.5, LRG, RHA	No Bid	No Bid
N/B= NO BID		Standard Wheelchair Lift: Manuf, Model, #Capacity		N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	Braun, NCL919FIB, 800 LB	N/A	No Bid
		Standard Wheelchair Tie Down: Manuf, Model		N/A	Q'Straint Q8106-L2	N/A	Q'Straint Q8106-C2	N/A	Q'Straint Q8106-C2	N/A	No Bid
		Base School Bus Price \$\$		114646	116271	118738	122925	119323	123150	No Bid	No Bid
		Base MFSAB Price \$\$	Base price includes 3pt seat belt seats	119162	No Bid	No Bid	No Bid	117773	No Bid	No Bid	No Bid
		OPTIONAL CHASSIS EQUIPMENT PRICES									
[C1A] Front Tow Hooks				53	53	53	53	53	53	N/A	N/A
[C1B] Rear Tow Hooks				170	170	170	170	170	170	N/A	N/A
[C2] Spare Disc Wheel				215	215	215	215	215	215	N/A	N/A
[C3] Auto Trans Warranty (5 yr unlimited)				7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	7 Years Unlimited	N/A	N/A
[C4] 75-100 Gallon Fuel Tank*				370	370	370	370	370	370	N/A	N/A
[C5] Low-Profile Radial Tires**				-125	-125	-125	-125	-125	-125	N/A	N/A
[C7] Type D Front Air Ride Suspension				945	945	945	945	945	945	N/A	N/A
[C6] 270 Amp L/N 4864 Alternator		(1) 280 AMP L/N Brushless		330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	330 (1)	N/A	N/A
[C8] Adjustable Pedals				1000	1000	1000	1000	1000	1000	N/A	N/A
[C9] 3000-PTS Transmission				4285	4285	4285	4285	4285	4285	N/A	N/A
[C10] Air Ride Rear Suspension				1021	1021	1021	1021	1021	1021	N/A	N/A
[C12] Straight Floor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[C13] Auto Headlamp System				STD	STD	STD	STD	STD	STD	N/A	N/A
[C14] Air Disc Brakes		(2) option does NOT require air suspension		1789 (2)	1789	1789	1789	1789	1789	N/A	N/A
		OPTIONAL BODY EQUIPMENT PRICES									
[B1] Pro Lo Hatch				120	120	120	120	120	120	N/A	N/A
[B3] Vandal Box w/Key		Approximately 2750 cubic inches of storage		STD	STD	STD	STD	STD	STD	N/A	N/A
[B4] 76" High Headroom (minimum)				[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B5A] Intercom/PA				395	395	395	395	395	395	N/A	N/A
[B5B] PA with Radio				550	550	550	550	550	550	N/A	N/A
[B5C] Stereo Radio (no PA)				465	465	465	465	465	465	N/A	N/A
[B6] Locking Door at Fuel Tank				N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
[B7A] CE White Integrated Child Restraint Seat				620	620	620	620	620	620	N/A	N/A
[B7B] IMMI Child Safety Seat				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7C] Syntech Integrated Child Restraint Seat				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B7D] BTI Integrated Child Restraint Seat				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B8] Exterior Body Light Monitor				185	185	185	185	185	185	N/A	N/A
[B11] Lap/Shoulder Belts (PRICE PER UNIT - no reduction in seating capacity) ***		Standard for MFSAB; Price included in base		6936	4046	7514	4624	7532	4624	N/A	N/A
[B12] Full Perf. Ceiling Panel				629	629	629	629	629	629	N/A	N/A
[B13] Bus Lockup System				374	374	374	374	374	374	N/A	N/A
[B14] Wire Pupil Crossing Arm				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[B15] Stainless Steel Mirror System (with non-corrossive brackets & fasteners)				[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]	[STD]
[B16] Battery Disconnect Switch Label				N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
[B17] Red Light Emergency Door				14	14	14	14	14	14	N/A	N/A
[B18] Underseat Rear Heater		(3) Heater may be limited to 50K BTU		555 (3)	555 (3)	555 (3)	555 (3)	555 (3)	555 (3)	N/A	N/A
[B19] Tailpipe through Bumper				N/C	N/C	N/C	N/C	N/A	N/A	N/A	N/A
[B20] Powder-Coated Windows				220	220	220	220	220	220	N/A	N/A
[B21] Driver's Seat with Integrated Seat Belt				475	475	475	475	475	475	N/A	N/A
[B22] Delete W/C - Add Seat (Lift Bus Only)		(Lift Bus Only)		N/A	-426	N/A	-426	N/A	-426	N/A	N/A
[B23] Delete Seat - Add W/C (Lift Bus Only)		(Lift Bus Only)		N/A	426	N/A	426	N/A	426	N/A	N/A
[B24] Wheelchair Securement Area Lighting (Lift Bus Only)		(Lift Bus Only)		N/A	125 per position	N/A	125 per position	N/A	125 per position	N/A	N/A
[B25] Track Seating (Lift Bus Only)		(Lift Bus Only)		N/A	5150	N/A	5275	N/A	5275	N/A	N/A
[B26] Standard Track-seating Seat (Lift Bus Only)		(Lift Bus Only)		N/A	372	N/A	372	N/A	372	N/A	N/A
[B27] Driver's Seat with Integrated Seat Belt				475	475	475	475	475	475	N/A	N/A
		Optional Tire									
(OPT1) Tire		Goodyear, 11R22.5, LRH Endurance RSA		455	455	455	455	455	455	N/A	N/A
(OPT2) Tire		Goodyear, 255/70R22.5, LRH Endurance RSA		595	595	595	595	595	595	N/A	N/A
(OPT4) Tire		Michelin, 255/70R22.5, LRH XZE		375	375	375	375	375	375	N/A	N/A
(OPT5) Tire		Cooper, 11R22.5, LRH, RHA		200	200	200	200	200	200	N/A	N/A
		OPTIONAL WHEELCHAIR LIFT #1									
(Opt 1) Lift		Braun, NCL1000FIB		N/A	305	N/A	305	N/A	305	N/A	N/A
(Opt 2) Lift		Ricon, RIS5510 1000 LB		N/A	755	N/A	755	N/A	755	N/A	N/A
(Opt 3) Lift		Ricon, RIK5510 1000 LB		N/A	920	N/A	920	N/A	920	N/A	N/A
		OPTIONAL WHEELCHAIR TIEDOWN/OCCUPANT RESTRAINT SYSTEM (WTORS)									
(OPT1)WTORS		Sure-Lok FF612S-4C7	Replaces all three sets	60	60	N/A	60	N/A	60	N/A	N/A
(OPT2)WTORS		AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-trac	Replaces all three sets	N/A	180	N/A	180	N/A	180	N/A	N/A
(OPT3)WTORS		AMF Bruns, Silver Series, J-Hook, 3Pt Retractable Height Adj, Pouch, L-trac	\$460/each extra	N/A	460/ea	N/A	460/ea	N/A	460/ea	N/A	N/A
(OPT4)WTORS		Manuf, Model									

TYPE D [RE] SCHOOL BUSES

		COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
[AC-1] OPTIONAL AIR-CONDITIONING										
AC-Electric1	Valeo/Spheros REVO E Global, Ducted, Roof Mounted	Electric option only	36250	36250	36250	36250	36250	36250	N/A	N/A
AC-Bergstrom1	(2) TM-21 / Side, Front & Rear BH evaps, skirt cond; 140K BTU, 126AMPS	RBH2FBH2SM1SC3SC3-2121	9173	9173	10234	10234	10234	10234	N/A	N/A
AC-Trans/Arctic1	(2)TM-21 / Dash, Side, Front & Rear BH evaps, skirt cond; 124 BTU, 140 AMPS	AC-12iw17iw133d	11065	11065	11065	11065	11065	11065	N/A	N/A
AC-Trans/Arctic2	(2)TM-21 / Dash, Side, Front & Rear BH evaps, roof cond; 124 BTU, 140 AMPS	AC-12iw17iw1cr4cr4d	12520	12520	12520	12520	12520	12520	N/A	N/A
AC-Trans/Arctic3	(1) 05G, 32KW BTU, Integrated 24 Volt, Rooftop system	DC-353-28D	23285	23285	23285	23285	23285	23285	N/A	N/A
AC-Trans/Arctic4	(1)QP55, Integrated Rooftop system	DC-353D-55	19012	19012	19012	19012	19012	19012	N/A	N/A
AC-Trans/Arctic5	(2)QP25, 28KW, 136 AMPS Intergrated Rooftop system	DC-T340D-25	15975	15975	15975	15975	15975	15975	N/A	N/A
AC-LukeMCC1	(2)QP-21 / Dash, Front & Rear evaps, skirt cond; 135 BTU, 120 AMPS	AC-1332W1133	13070	13070	N/A	N/A	N/A	N/A	N/A	N/A
AC-LukeMCC2	(2)QP-25 / Dash, Front & Rear evaps, skirt cond; 140 BTU, 130 AMPS	AC-1432W13314	N/A	N/A	13747	13607	13747	13607	NA	NA
AC-Trans/Air1	(1)TM-65, 150K BTU, 125 AMPS	77-55-SC3-SC3-Dash Tie	14001	13861	13885	13745	13789	13649	NA	NA
ADDITIONAL AIR-CONDITIONER OPTIONS										
Bergstrom	Roof mount condensor upgrade	78,84 Cap RE-Type D	N/A	N/A	1275	1275	1275	1275	NA	NA
Bergstrom	TM-43 Compressor upgrade Valeo	L9 Only	1758	1758	1758	1758	1758	1758	NA	NA
Bergstrom	TM-55 Compressor upgrade Valeo	B6.7 / L9	1858	1858	1858	1858	1858	1858	NA	NA
Bergstrom	Battery Charging Solar Panel, installed	50 watt / 80 watt	625 (50W) / 825 (80W)	550	550	550	550	550	NA	NA
Bergstrom	Eaton Aero-Quip Hose / Fittings in-lieu of Standard		315	315	315	315	315	315	NA	NA
Trans/Arctic	TM55 inlieu of TM21 on Type CD RE		1,900	1,900	1,900	1,900	1,900	1,900	NA	NA
LukeMCC	Roof mount condenser in lieu of skirt		3,165	3,165	3,165	3,165	3,165	3,165	NA	NA
LukeMCC	Mid Side Ceiling Evaporator 5 year		2,140	2,140	2,140	2,140	2,140	3,165	NA	NA
LukeMCC	L9 CNG install upcharge	L9 CNG Only	N/A	N/A	N/A	N/A	1,000	1,000	NA	NA
Trans/Arctic	Aero-Quip Type "E" flex click hose STD on Trans/Arctic Systems 1 & 2	AC-Trans/Arctic Systesms 1 & 2	STD	STD	STD	STD	STD	STD	N/A	N/A
OPTIONAL ENGINES										
Cummins, B6.7, 240/560			450	450	N/A	N/A	N/A	N/A	N/A	N/A
Cummins, B6.7, 250/660			1615	1615	N/A	N/A	N/A	N/A	N/A	N/A
Cummins, B6.7, 280/660			N/A	N/A	2310	2310	2310	2310	N/A	N/A
Cummins, L9, 270/720 - Allison 3000PTS, 5SP			11800	11800	N/A	N/A	N/A	N/A	N/A	N/A
Cummins, L9, 270/720			N/A	N/A	7890	7890	7890	7890	N/A	N/A
Cummins, L9, 300/860			N/A	N/A	8970	8970	8970	8970	N/A	N/A
Cummins, L9, XXXX/XXXX CNG		CNG 84P RE	N/A	N/A	N/A	N/A	41395	41395	N/A	N/A
TM4 Electric Motor; 315HP/2176lb-ft (6)		Electric option only	N/A	N/A	N/A	N/A	218761	218761	N/A	N/A
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR										
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES WITH RAISED/FLAT FLOOR										
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SEATING CAPACITY FOR FRONT MOUNTED LIFT EQUIPPED BUSES										
Standard Number of Wheelchair Spaces:			N/A	3	N/A	3	N/A	3	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	5	N/A	5	N/A	5	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	42	N/A	48	N/A	48	N/A	N/A
SEATING CAPACITY FOR REAR MOUNTED LIFT EQUIPPED BUSES										
Standard Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Wheelchair Spaces:			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Number of Passengers in Regular Seats with Standard (3) Wheelchair Spaces:		Please consult w/FTS for seat plan	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WARRANTY OPTIONS										
Extended Engine Warranty	Cummins B6.7, 60 Months/200,000 Miles	EXC Coverage	2000	2000	2000	2000	2000	2000	N/A	N/A
Extended Engine Warranty	Cummins B6.7, 60 Months/Unlimited Miles	EXC Coverage	2200	2200	2200	2200	2200	2200	N/A	N/A
Extended Engine Warranty	Cummins B6.7, 120 Months/200,000 Miles	EXC Coverage	4250	4250	4250	4250	4250	4250	N/A	N/A
Extended Engine Warranty	Cummins B6.7, 120 Months/Unlimited Miles	EXC Coverage	4900	4900	4900	4900	4900	4900	N/A	N/A
Extended Engine Warranty	Cummins L9, 60 Months/Unlimited Miles	EXC Coverage	2650	2650	2650	2650	2650	2650	N/A	N/A
Extended Engine Warranty	Cummins L9, 120 Months/Unlimited Miles	EXC Coverage	6050	6050	6050	6050	6050	6050	N/A	N/A
Extended Engine Warranty	Cummins L9Gas, 60 Months/Unlimited Miles	CWF Coverage	3400	3400	3400	3400	3400	3400	N/A	N/A
Extended Engine Warranty	Cummins L9Gas, 84 Months/150,000 Miles	CWB Coverage	3950	3950	3950	3950	3950	3950	N/A	N/A
Towing Warranty	60 Months/Unlimited Miles		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Warranty Credit Option	12 Months/12,000 Miles ONLY (* see note)	See Appendix I for Coverage Details	-2800	-2800	-2800	-2800	-2800	-2800	N/A	N/A
* By taking this warranty credit, the purchasing district is declining the standard chassis warranty and the standard body warranty and will only have warranty coverage for 12 Months/12,000 Miles (NO EXCEPTIONS) from the updated in-service date of the bus.										

TYPE D [RE] SCHOOL BUSES

	COMMENTS/NOTES	TYPE D REAR ENGINE (RE): 72 Capacity	TYPE D REAR ENGINE (RE): 72 Capacity with Lift	TYPE D REAR ENGINE (RE): 78 Capacity	TYPE D REAR ENGINE (RE): 78 Capacity with Lift	TYPE D REAR ENGINE (RE): 84 Capacity	TYPE D REAR ENGINE (RE): 84 Capacity with Lift	TYPE D REAR ENGINE (RE): 89 Capacity	TYPE D REAR ENGINE (RE): 89 Capacity with Lift
BAGGAGE COMPARTMENTS (Price is for ONE per bus)									
Single Door, 16 cubic feet		700	700	700	700	700	700	N/A	N/A
Double Door, 22.7 cubic feet		1035	1035	1035	1035	1035	1035	N/A	N/A
Double Door, 28.4 cubic feet		1100	1100	1100	1100	1100	1100	N/A	N/A
Double Door, Pass Through, 94 cubic feet		4425	4425	N/A	N/A	N/A	N/A	N/A	N/A
Double Door, Pass Through, 122 cubic feet		N/A	N/A	4600	4600	4600	4600	N/A	N/A
Luggage compartment availability may be limited based on optional equipment selections.									
ADDITIONAL OPTIONS									
325 AMP Leece Neville brushless alternator	Leece/Neville	470	470	470	470	470	470	N/A	N/A
Convert ACME connector to Euro/Stuabli	Type C BBCV	275	275	275	275	275	275	N/A	N/A
Exterior light, LED, boarding area, 50W	Blue Bird	250	250	250	250	250	250	N/A	N/A
Exterior light, LED, boarding area, both sides 110W each light (over entrance door & driver window)	Blue Bird	N/A	N/A	515	515	515	515	515	515
Heated Mirrors	Blue Bird	200	200	200	200	200	200	N/A	N/A
Route Changer Sign	Reflective Imaging	75	75	75	75	75	75	N/A	N/A
80K BTU rear wall mounted heater	Blue Bird	700	700	700	700	700	700	N/A	N/A
Tag and Title processing, per unit	FTS - Tag/Title	225	225	225	225	225	225	N/A	N/A
VGT Exhaust Brake (N/A with Ford Engine)	Cummins Only	72	72	72	72	72	72	N/A	N/A
Two-way radio installed, district provided	FTS -2Way	150	150	150	150	150	150	N/A	N/A
Open View mirror system	Blue Bird	236	236	236	236	236	236	N/A	N/A
Rosco Back-up camera and mirror	Rosco	454	454	454	454	454	454	N/A	N/A
CNG dual fill front for CNG with Blue Bird Vision	Blue Bird CNG only	N/A	N/A	N/A	N/A	1155	1155	N/A	N/A
CNG dual fill rear for CNG with Blue Bird Vision	Blue Bird CNG only	N/A	N/A	N/A	N/A	1335	1335	N/A	N/A
Stainless Steel exhaust	Blue Bird	365	365	365	365	365	365	N/A	N/A
Bus Numbers on roof	FTS-#'s	125	125	125	125	125	125	N/A	N/A
ES Compleat OAT Coolant Factory Fill (N/A with Ford engine)	Cummins Only	125	125	125	125	125	125	N/A	N/A
ADA Handrail in stepwell (specify front, rear or both)	Blue Bird	129 each	129 each	129 each	129 each	129 each	129 each	N/A	N/A
Air tank drain valve (specify electric or manual-same cost)	Blue Bird	295	295	295	295	295	295	N/A	N/A
Bostrom Routemaster Air Suspension Driver's Seat	Bostrom	325	325	325	325	325	325	N/A	N/A
Driver's 6" auxiliary cooling fan	Blue Bird	N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
Stainless Steel battery tray	Blue Bird	145	145	145	145	145	145	N/A	N/A
Glove box and LH console storage	Blue Bird	104	104	104	104	104	104	N/A	N/A
Cup Holder	Blue Bird	45	45	45	45	45	45	N/A	N/A
Extra ignition keys (2 per bus provided, keyed alike)	FTS -Keys	5/each	5/each	5/each	5/each	5/each	5/each	N/A	N/A
Level 2 AC Charging Station, 19.2 kW charge rate	Nuvee Corporation	2000	2000	2000	2000	2000	2000	N/A	N/A
PowerPort Mount Pedestal	Nuvee Corporation	1500	1500	1500	1500	1500	1500	N/A	N/A
V2G Integration, electric bus	Blue Bird	6500	6500	6500	6500	6500	6500	N/A	N/A
DC Fast Charging Station, 60kW	Nuvee Corporation	65000	65000	65000	65000	65000	65000	N/A	N/A
Contract Labor Service Charge	FTS -LaborSVC	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	N/A	N/A
CE White Portable Child Restraint (call for volume purchase discounts)	CEW-PCR 900-474	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	N/A	N/A
Bergstrom, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-1,383	-1,383	-1,383	-1,383	-1,383	-1,383	N/A	N/A
Trans/Arctic, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-1,235	-1,235	-1,235	-1,235	-1,235	-1,235	N/A	N/A
LukeMCC, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-290	-290	-350	-350	-350	-350	N/A	N/A
Grey rubber flooring	Blue Bird	N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C
Two piece curved windshield	Blue Bird	N/A	N/A	110	110	110	110	110	110
Grey painted wheels, 8.25x22.5 5 HH	MFSAB	N/A	N/A	50	50	50	50	50	50
Aluminum wheels, 8.25x22.5 DSC Hub Piloted	MFSAB	N/A	N/A	2,200	2,200	2,200	2,200	2,200	2,200
Aluminum wheels, 8.25x22.5 DSC Hub Piloted w/o -hub covers, lugnut covers, valve extensions	MFSAB	N/A	N/A	1,450	1,450	1,450	1,450	1,450	1,450
Covers, wheels, polished stainless steel	MFSAB	N/A	N/A	425	425	425	425	425	425
Emergency Evacuation Blanket, Tie-Tech Evac-Aide	Blue Bird	160	160	160	160	160	160	160	160
ADDITIONAL SEATING OPTIONS									
HSM 3pt Seat belt seat, Track Mounted, 30"	HSM	550	550	550	550	550	550	N/A	N/A
HSM 3pt Seat belt seat, Track Mounted, 39"	HSM	650	650	650	650	650	650	N/A	N/A
HSM 3pt Seat belt seat with child restraint, 39"	HSM	1040	1040	1040	1040	1040	1040	N/A	N/A
HSM 3pt Seat belt seat with child restraint, Track Mounted, 39"	HSM	880	880	880	880	880	880	N/A	N/A
HSM child restraint seat with lap belts, 30"	HSM	605	605	605	605	605	605	N/A	N/A
HSM child restraint seat with lap belts, Track Mounted, 30"	HSM	640	640	640	640	640	640	N/A	N/A
HSM child restraint seat with lap belts. Track Mounted, 39"	HSM	800	800	800	800	800	800	800	800
Arm rest, National Driver's Seat, LH	HSM	33	33	33	33	33	33	N/A	N/A
Arm rest, National Driver's Seat, RH	National	33	33	33	33	33	33	N/A	N/A
Freedman Family Seat, 35"	National	460	460	460	460	460	460	N/A	N/A
Freedman Family Seat, 35" Davenport	Freedman	465	465	465	465	465	465	N/A	N/A
Freedman Family Seat, 3pt seat belt seat, 35"	Freedman	685	685	685	685	685	685	N/A	N/A
HSM LATCH positions (\$45/one, \$82/two)	HSM	45/82	45/82	45/82	45/82	45/82	45/82	N/A	N/A
Retractable seat belts in lieu of lap belts, per bus	HSM	60	60	75	75	90	90	N/A	N/A
Please consult with FTS for seat plans									

TYPE D [FE] SCHOOL BUSES

	COMMENTS/NOTES	TYPE D FRONT ENGINE (FE): 71 Capacity	TYPE D FRONT ENGINE (FE): 71 Capacity with Lift	TYPE D FRONT ENGINE (FE): 77 Capacity	TYPE D FRONT ENGINE (FE): 77 Capacity with Lift	TYPE D FRONT ENGINE (FE): 83 Capacity	TYPE D FRONT ENGINE (FE): 83 Capacity with Lift	TYPE D FRONT ENGINE (FE): 89 Capacity	TYPE D FRONT ENGINE (FE): 89 Capacity with Lift
ADDITIONAL OPTIONS									
325 AMP Leece Neville brushless alternator	Leece/Neville	470	470	470	470	470	470	N/A	N/A
Exterior light, LED, boarding area, 50W	Blue Bird	250	250	250	250	250	250	N/A	N/A
Exterior light, LED, boarding area, both sides 110W each light (over entrance door & driver window)	Blue Bird	N/A	N/A	515	515	515	515	515	515
Heated Mirrors	Blue Bird	200	200	200	200	200	200	N/A	N/A
Route Changer Sign	Reflective Imaging	75	75	75	75	75	75	N/A	N/A
80K BTU rear wall mounted heater	Blue Bird	700	700	700	700	700	700	N/A	N/A
Tag and Title processing, per unit	FTS - Tag/Title	225	225	225	225	225	225	N/A	N/A
VGT Exhaust Brake (N/A with Ford Engine)	Cummins Only	72	72	72	72	72	72	N/A	N/A
Two-way radio installed, district provided	FTS -2Way	150	150	150	150	150	150	N/A	N/A
Open View mirror system	Blue Bird	236	236	236	236	236	236	N/A	N/A
Rosco Back-up camera and mirror	Rosco	454	454	454	454	454	454	N/A	N/A
Stainless Steel exhaust	Blue Bird	365	365	365	365	365	365	N/A	N/A
Bus Numbers on roof	FTS-#'s	125	125	125	125	125	125	N/A	N/A
ES Compleat OAT Coolant Factory Fill (N/A with Ford engine)	Cummins Only	125	125	125	125	125	125	N/A	N/A
ADA Handrail in stepwell (specify front, rear or both)	Blue Bird	129 each	129 each	129 each	129 each	129 each	129 each	N/A	N/A
Air tank drain valve (specify electric or manual-same cost)	Blue Bird	295	295	295	295	295	295	N/A	N/A
Bostrom Routemaster Air Suspension Driver's Seat	Bostrom	325	325	325	325	325	325	N/A	N/A
Driver's 6" auxiliary cooling fan	Blue Bird	N/C	N/C	N/C	N/C	N/C	N/C	N/A	N/A
Stainless Steel battery tray	Blue Bird	145	145	145	145	145	145	N/A	N/A
Glove box and LH console storage	Blue Bird	104	104	104	104	104	104	N/A	N/A
Cup Holder	Blue Bird	45	45	45	45	45	45	N/A	N/A
Extra ignition keys (2 per bus provided, keyed alike)	FTS -Keys	5/each	5/each	5/each	5/each	5/each	5/each	N/A	N/A
Swing out radiator	Blue Bird	330	330	330	330	330	330	N/A	N/A
Contract Labor Service Charge	FTS -LaborSVC	105/hr	105/hr	105/hr	105/hr	105/hr	105/hr	N/A	N/A
CE White Portable Child Restraint (call for volume purchase discounts)	CEW-PCR 900-474	125/ea	125/ea	125/ea	125/ea	125/ea	125/ea	N/A	N/A
Bergstrom, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-1022	-1022	-1022	-1022	-1022	-1022	N/A	N/A
Trans/Arctic, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-1,235	-1,235	-1,235	-1,235	-1,235	-1,235	N/A	N/A
LukeMCC, warranty credit for base 3 YR warranty in lieu of 5 years	3 Years / Unlimited Miles	-310	-310	-310	-310	-310	-310	N/A	N/A
Grey rubber flooring	Blue Bird	N/A	N/A	N/C	N/C	N/C	N/C	N/C	N/C
Two piece curved windshield	Blue Bird	N/A	N/A	110	110	110	110	110	110
Grey painted wheels, 8.25x22.5 5 HH	MFSAB	N/A	N/A	50	50	50	50	50	50
Aluminum wheels, 8.25x22.5 DSC Hub Piloted	MFSAB	N/A	N/A	2,200	2,200	2,200	2,200	2,200	2,200
Aluminum wheels, 8.25x22.5 DSC Hub Piloted w/o -hub covers, lugnut covers, valve extensions	MFSAB	N/A	N/A	1,450	1,450	1,450	1,450	1,450	1,450
Covers, wheels, polished stainless steel	MFSAB	N/A	N/A	425	425	425	425	425	425
Emergency Evacuation Blanket, Tie-Tech Evac-Aide	Blue Bird	160	160	160	160	160	160	160	160
ADDITIONAL SEATING OPTIONS									
HSM 3pt Seat belt seat, Track Mounted, 30"	HSM	550	550	550	550	550	550	N/A	N/A
HSM 3pt Seat belt seat, Track Mounted, 39"	HSM	650	650	650	650	650	650	N/A	N/A
HSM 3pt Seat belt seat with child restraint, 39"	HSM	1040	1040	1040	1040	1040	1040	N/A	N/A
HSM 3pt Seat belt seat with child restraint, Track Mounted, 39"	HSM	880	880	880	880	880	880	N/A	N/A
HSM child restraint seat with lap belts, 30"	HSM	605	605	605	605	605	605	N/A	N/A
HSM child restraint seat with lap belts, Track Mounted, 30"	HSM	640	640	640	640	640	640	N/A	N/A
Arm rest, National Driver's Seat, LH	HSM	33	33	33	33	33	33	N/A	N/A
Arm rest, National Driver's Seat, RH	National	33	33	33	33	33	33	N/A	N/A
Freedman Family Seat, 35"	National	460	460	460	460	460	460	N/A	N/A
Freedman Family Seat, 35" Davenport	Freedman	465	465	465	465	465	465	N/A	N/A
Freedman Family Seat, 3pt seat belt seat, 35"	Freedman	685	685	685	685	685	685	N/A	N/A
HSM LATCH positions (\$45/one, \$82/two)	HSM	45/82	45/82	45/82	45/82	45/82	45/82	N/A	N/A
Retractable seat belts in lieu of lap belts, per bus	HSM	60	60	75	75	90	90	N/A	N/A
Please consult with FTS for a seat plan									

APPENDIX I

[illegible]

APPENDIX II

[illegible]

DELIVERY PRICES

VENDOR: <i>Florida Transportation Systems, Inc.</i>					
DELIVERY	UPCHARGE	FOR	PROPANE	PLEASE ADD	\$0
DELIVERY	UPCHARGE	FOR	CNG	PLEASE ADD	\$750
DELIVERY	UPCHARGE	FOR	ELECTRIC C/D	PLEASE ADD	\$2,800
DELIVERY	UPCHARGE	FOR	ELECTRIC Type	PLEASE ADD	\$1,100
DELIVERY	UPCHARGE	FOR	MFSAB	PLEASE ADD	\$0
DELIVERY	UPCHARGE	FOR		PLEASE ADD	\$
FROM: ADDRESS		3000 Girardin, Drummondville J2E 0A1	402 Blue Bird Blvd., Ft. Valley, GA 31030	402 Blue Bird Blvd., Ft. Valley, GA 31030	Same As School Bus A, C and D Delivery
BUS TYPE		A	C	D	MFSAB?
		DELIVERY \$	DELIVERY \$	DELIVERY \$	DELIVERY \$
REGION 1	COUNTY SEAT	\$2,850	\$1,150	\$1,150	N/A
Bay	Panama City				
Calhoun	Blountstown				
Escambia	Pensacola				
Franklin	Apalachicola				
Gulf	Port St. Joe				
Holmes	Bonifay				
Jackson	Marianna				
Liberty	Bristol				
Okaloosa	Crestview				
Santa Rosa	Milton				
Walton	Defuniak Springs				
Washington	Chipley				
REGION 2	COUNTY SEAT	\$2,400	\$1,000	\$1,000	N/A
Alachua	Gainesville				
Baker	Macclenny				
Bradford	Starke				
Clay	Green Cove Springs				
Columbia	Lake City				
Dixie	Cross City				
Duval	Jacksonville				
Gadsden	Quincy				
Gilchrist	Trenton				
Hamilton	Jasper				
Jefferson	Monticello				
Lafayette	Mayo				
Leon	Tallahassee				
Levy	Bronson				
Madison	Madison				
Nassau	Fernandina Beach				
Suwannee	Live Oak				
Taylor	Perry				
Union	Lake Butler				
Wakulla	Crawfordville				

NOTE: DELIVERY PRICES ARE BY REGION AND BUSES SHALL BE DELIVERED TO THE COUNTY SEAT OF THE ORDERING DISTRICT.

DELIVERY PRICES

REGION 3	COUNTY SEAT	<u>\$2,300</u>	<u>\$900</u>	<u>\$900</u>	<u>N/A</u>
Citrus	Inverness				
Flagler	Bunnell				
Hernando	Brooksville				
Hillsborough	Tampa				
Lake	Tavares				
Marion	Ocala				
Orange	Orlando				
Pasco	New Port Richey				
Pinellas	Clearwater				
Putnam	Palatka				
St. Johns	St. Augustine				
Seminole	Sanford				
Sumter	Bushnell				
Volusia	DeLand				
REGION 4	COUNTY SEAT	<u>\$2,350</u>	<u>\$900</u>	<u>\$900</u>	<u>N/A</u>
Brevard	Cocoa				
Charlotte	Punta Gorda				
DeSoto	Arcadia				
Glades	Moore Haven				
Hardee	Wauchula				
Hendry	LaBelle				
Highlands	Sebring				
Indian River	Vero Beach				
Lee	Fort Myers				
Manatee	Bradenton				
Martin	Stuart				
Okeechobee	Okeechobee				
Osceola	Kissimmee				
Polk	Bartow				
St. Lucie	Fort Pierce				
Sarasota	Sarasota				
REGION 5	COUNTY SEAT	<u>\$2,563</u>	<u>\$1,040</u>	<u>\$1,040</u>	<u>N/A</u>
Broward	Ft. Lauderdale				
Collier	Naples				
Miami-Dade	Miami				
Monroe	Key West				
Palm Beach	W. Palm Beach				

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VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

MANUF, MODEL	DESCRIPTION	Notes	Price
	ALL CAMERA SYSTEMS WILL REQUIRE ONE OF THE FOLLOWING INSTALLATION OPTIONS		
FTS INSTALL 1	CAMERA INSTALL OF 4 CAMERAS OR LESS (REGARDLESS OF CAMERA VENDOR)		\$350.00
FTS INSTALL 2	CAMERA INSTALLATION OF 5 CAMERAS OR MORE (REGARDLESS OF CAMERA SYSTEM VENDOR)		\$500.00
REI CAMERA SYSTEMS			
HD5-600-2-1TB	6 CH HD5 DVR, 1 TB Drive, 2 Cam, Passive GPS, Signals & Panic Button, Cable kit, VMS software		\$1,850.00
HD5-600W-2-1TB	6 CH DVR w/ WiFi, 1 TB Drive, 2 Cam, Passive GPS, Signals & Panic Button, Cable kit, VMS software		\$2,050.00
HD5-600WC-2-1TB	6 CH DVR w/ Cellular & WiFi, 1 TB Drive, 2 Cam, Cable kit, VMS software (Requires 210168)		\$2,350.00
HD51200W-5-1TB	12 CH DVR w/ WiFi, 1 TB Drive, 5 Cam, Passive GPS, Signals & Panic Button, Cable kit, VMS software		\$2,750.00
HD5-1200WC-5-1TB	12 CH DVR w/ Cellular & WiFi, 1 TB Drive, 5 Cam, Passive GPS, Signals & Panic Button, Cable kit, VMS software		\$3,150.00
REI-CAM	Add additional AHD Cameras -- Mini box, Wedge, Dome, windshield (1.7mm, 2.4mm, 2.8mm, 4.0mm, 6.0mm, 8.0mm)		\$250.00
REI-IPCAM	Add IP Cameras to HD5 DVR System (ea)		\$400.00
STOPCAMKIT	Stop Arm Camera Kit		\$300.00
REI-2 TB HD	Upgrade to 2TB Hard Drive		\$350.00
210168	WiFi / Cellular / GPS Combo Antenna		\$325.00
710610	WiFi Dongle - HD5 DVR		\$60.00
750364	End Cap Kit Front of HD5 DVR		\$40.00
750363	End Cap Kit Rear of HD5 DVR		\$30.00
710673	Lock Box for HD5 DVR		\$100.00
	REI SD-300 DVR SYSTEM		
SD300-2-64	3 CH DVR, SD-300 w/WiFi, 128GB SD, 2 Cam, Cable Kit, VMS Software		\$1,050.00
710753	Add 3rd Camera to SD-300 System - IP Eyeball Turret camera 2.8mm		\$300.00
256SD-UPGRADE	Upgrade to 256GB SD Card		\$225.00
512SD-UPGRADE	Upgrade to 512GB SD Card		\$325.00
	INDIVIDUAL COMPONENT PRICING:		
710639	1 TB Hard Drive for HD5 DVR		\$425.00
690695	64 GB SD Card		\$100.00
690820	128 GB SD Card		\$150.00
690821	256 GB SD Card		\$300.00
710607	HD5-600 DVR (6 Channel)		\$1,050.00
710608	HD5-600W DVR (6 Channel with WiFi/GPS)		\$1,250.00
710609	HD5-1200W (12 Channel with WiFi/GPS)		\$1,800.00
SV-360HD SYS 4	SV-360HD SYS W/7" Monitor (Includes Installation)		\$2,500.00

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

SEON CAMERA SYSTEMS			
Trooper TH4			
TH4H1T0	Trooper TH4 DVR 4 HD channels, audio, security front cover with lock set, mounting bracket, power harness, 1TB HD		\$975.00
TH4 SD Card Based - Basic DVR's			
TH4C256	TH4C DVR 4 HD channels, audio,mounting bracket, power harness, 256GB Card.		\$875.00
Trooper TH6			
TH6H1T0	Trooper TH DVR 6 HD channels, audio, security front cover with lock set, mounting bracket, power harness, 1TB HD		\$1,375.00
Trooper TH8			
TH8H2T0	TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover, Mounting Bracket, Power Harness, 2TB Single HDD		\$1,800.00
TH8H4T0-2HDD	TH8 DVR, 8 HD Channels, 2 IP Channels, Audio, Security Front Cover Mounting Bracket, Power Harness, 4TB Dual HDD		\$2,050.00
Video Expansion Option for TH8 DVR			
TH4C0	TH4C0 DVR 4 HD channels, audio,mounting bracket, power harness, 1.5' CAT 5 Patch Cable		\$700.00
SD Card Video Back Up for TH /series DVR's			
SDCARD128	SD Card, 128GB, for backup video storage		\$150.00
SDCARD256	SD Card, 256GB, for backup video storage		\$300.00
SDCARD512	SD Card, 512GB, for backup video storage		\$650.00
Trooper TH4 - Solid State			
TH4S500	Trooper TH4 DVR 4 HD channels, audio, security front cover with lock set, mounting bracket, power harness, 500GB SSD		\$1,385.00
Trooper TH6 - Solid State			
TH6S500	Trooper TH DVR 6 HD channels, audio, security front cover with lock set, mounting bracket, power harness, 500GB SSD		\$1,575.00
Hard Drive Upgrade			
DVRUPGRDPLT	Upgrade to Larger Available Hard Drive for TH4 & TH6 DVR		\$350.00
Trooper TH8 - Solid State			
TH8S2T0	TH8 DVR, 8 HD Channels, Audio, Security Front Cover with Lock Set, Mounting Bracket, Power Harness, 2TB Single SSD		\$2,725.00
TH8S4T0-2SSD	TH8 DVR, 8 HD Channels, Audio, Security Front Cover with Lock Set, Mounting Bracket, Power Harness, 4TB Dual SSD		\$3,865.00
Explorer NH16			
NH16H2T0	NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Power Harness 2TB Single HDD		\$4,100.00
NH16H4T0-2HDD	NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Power Harness 4TB (2X2TB) Dual HDD		\$4,280.00
Explorer NH16 - Solid State			
NH16S2T0	NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover with Lock Set, Mounting Bracket, Power Harness, 2TB Single SSD		\$5,020.00
NH16S4T0-2SSD	NH NVR Hybrid, 16 Channels, 8CH Analog HD Built-In, 16 Port POE Switch, Audio, Security Front Cover with Lock Set, Mounting Bracket, Power Harness, 4TB (2X2TB) Dual SSD		\$6,150.00
DVR Wiring Bundles			
WT1D20S20G4	Trooper TH & NH16 wiring bundle, diagnostic indicator/alarm button cable, five signal input, Passive GPS mount		\$185.00
Camera AHD 720P Interior Dome TH Series DVR's			
HD1QxxAI50	HD Camera, Dome, internal, audio, IR TDN 50' Harness to use with TH-Series DVRs - 2.6mm or 3.6mm		\$300.00
Camera AHD 720P Exterior Wedge TH Series DVR's			
HD1WxxEI50	HD Camera, Wedge, external, IR TDN, 50' harness - for use with TH4 - 2.8mm, 3.6mm, 16mm or 25mm		\$400.00
Camera AHD 720P Stop Arm Exterior Wedge TH Series DVR's			
HD1S16EI50	HD Camera, Wedge, Stop Arm, 16mm, external, IR TDN, 50' harness - for use with TH-Series DVRs		\$425.00

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

SEON CAMERA SYSTEMS (CONT.)			
Camera AHD 1080P Ultra-Wide - Interior for TH6 & TH8 DVR's Only			
HD3U01AN50	HD Camera, Ultra Wide, 1.72mm, internal, audio, IR, TDN, 50' harness — to use with TH6 or TH8 DVR		\$400.00
Camera AHD 1080P Interior TH6/TH8			
HD3QxxA50	HD Camera, Dome, internal, audio, IR TDN, 50' harness — to use with TH6 DVR - 2.8mm or 3.6mm		\$400.00
Camera AHD 1080P Exterior TH6/TH8			
HD3WxxEI50	HD Camera, Wedge, external, IR TDN, 50' harness, to use with TH6 and TH8 DVRs - 2.8mm, 3.6mm, 16mm or 25mm		\$450.00
Camera AHD 1080P Stop Arm TH6/TH8			
HD3SxxEI50	HD Camera, Wedge, Stop Arm, external, IR TDN, 50' harness, to use with TH6 & TH8 DVRs - 16mm or 25mm		\$450.00
Camera CA Analog Wedge Exterior			
CA10xxEI50	Day/Night 700 TVL camera, exterior (w infrared, no audio), 50 ft. harness - 2.9mm, 3.6mm, 16mm or 25mm		\$450.00
Camera IP - C3Q Interior Dome - Progressive Scan			
C3Q9PDxxA50	IP Camera, PoE, dome, white, 3MP progressive scan, interior, IR Day/Night, audio, 50 ft. harness - to use with TH8 or NH16 - 2.8mm or 4mm		\$475.00
TH8POEKIT48	ASSY, POE KIT, 48V - (One Required Per C3 Camera (Max x2/TH8 DVR)		\$175.00
Camera IP - C3W Exterior Wedge - Progressive Scan			
C3W9PDxxA50	IP Camera, PoE, wedge, 3MP progressive scan, exterior, IR Day/Night, audio, 20 ft. harness - to use with TH8 or NH16 - 2.8mm or 4mm		\$600.00
TH8POEKIT48	ASSY, POE KIT, 48V - (One Required Per C3 Camera (Max x2/TH8 DVR)		\$175.00
Camera CJ Analog Dome Interior - NO IR			
CJ9xxA50	Dome Day/Night 600TVL camera, audio, 50 ft. harness (no infrared) - 2.9mm or 3.6mm		\$300.00
CJ902A50	Dome Day/Night 600TVL camera, audio, 50 ft. harness - 2.5mm		\$300.00
Camera CQ Analog Dome Interior - INFRARED			
CQ9xxA50	Integrated IR Dome Day/Night 600TVL, audio, 50 ft. harness - 2.9mm or 3.6mm		\$300.00
CQ902A20	Integrated IR Dome Day/Night 600TVL camera, audio, 2.5mm lens, 20 ft. harness - 2.5mm		\$300.00
CQ902A50	Integrated IR Dome Day/Night 600TVL camera, audio, 2.5mm lens, 50 ft. harness - 2.5mm		\$300.00
Rear Vision Camera & Monitor Options			
RVC400E75	RVC400 Camera with 75 ft. Weatherproof Harness		\$300.00
RVM2-SP	Rear Vision 7 Inch LCD Monitor, cables, and video splitter, for use with all DVR's, no delay due to DVR/NVR boot up		\$325.00
Camera InView 360 Exterior System			
SAV-INV360	inView 360 Monitoring System (includes 1 front, 1 rear and 2 side cameras, 4 camera housings, 1 electronic control unit, Installation, monitor and associated cabling)		\$3,000.00
Predictive Stop Arm Radar			
PSA2S	Predictive Stop Arm, 2 Radars, 2 Horns, Installation & Cables		\$3,000.00
vMax Live GPS & Vehicle Activation			
VLP-LMUV1Y1	vMax Live+, LMU, PWR Harness, Signal Cable, GPS, Antenna, Activation Fee, Verizon Data, Health Check		\$600.00
VLP-LMUV1	vMax Live+, LMU, PWR Harness, Signal Cable, GPS, Antenna, Activation Fee, No Data, Health Check		\$600.00
vMax Live Stream Video Hardware & Vehicle Activation			
SRC-MP70LTE-AWF	SmartReach Cellular Router Kit, MP70 w WiFi & 4G LTE Advanced (HSPA+ fallback), Wiring, Antenna, No SIM, No DATA		\$1,750.00
LVST-ACT	Live Video Streaming One Time Activation, per vehicle, no data (includes service up to 1 year - until anniversary date)		\$45.00

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

SEON CAMERA SYSTEMS (CONT.)			
vMax Trac RFID Student Ridership & Vehicle Activation (Must be integrated with Seon MDT or Seon LMU Live GPS Hardware)			
VML-MDT-STR1UY1	vMax Trac for Student Tracking with 1 year of service, operates with MDT or LMU Live GPS		\$300.00
vMax Navigator Live GPS Tablet - MDT & Vehicle Activation			
VNAV-MDT	"Navigator Mobile Data Terminal (MDT), including: Android OS, vMax Navigator application software, GPS input, USB port, Cellular modem"		\$1,050.00
VNAV-INSTKT	"Navigator installation kit, Mounting pedestal, Power & communication cable, GPS /Cellular antenna, GPS adapter cable, GPS extension cable, In-line fuse connectors for +ve & ignition, Allen key and pedestal mounting screws, Stop Arm cable"		\$200.00
VNAV-ACT	Activation of cellular modem (per MDT cellular modem)		\$100.00
Commander 5.0 Bridges & Vehicle Activation			
VMC5V	vMax Commander 5.0: Vehicle One Time Activation (per vehicle)		\$275.00
SRLN07NP	SmartReach Lite,2.4/5GHz,ANT,No POE,-N - For TH DVR's		\$625.00
SRLAC07NP	SmartReach Lite,2.4/5GHz,ANT,No POE,-N - For TH DVR's		\$625.00
CAM-WINDMOUNT	CA/CHW/HD1W/HD3W mounting post		\$75.00
MANUF, MODEL	DESCRIPTION	Notes	Price
SAFETY VISION CAMERA SYSTEMS			
FL-SV-4000-512GB-1Cam	Observer 4000-5 Channel HVR (4AHD, 1IP) 512GB SD Card (2 x 256GB), 1-Cam 720p, Signal Harness, Passive GPS, Panic Button		\$1,550.00
FL-SV-4112-2TB-4CAM	Observer 4112-12 Channel HVR (8HD, 4IP) 2TB HD, 4-Cam 1080p, Signal Harness, Passive GPS, Panic Button		\$2,500.00
FL-SV-CAM-720P	ADDITIONAL 720P CAMERA		\$300.00
FL-SV-CAM-1080P	ADDITIONAL 1080P CAMERA		\$300.00
FL-SV-CAM-IP	ADDITIONAL IP CAMERA		\$425.00
MANUF, MODEL	DESCRIPTION	Notes	Price
ANGELTRAX CAMERA SYSTEMS			
AT-VULCAN5	Vulcan 5 DVR SYSTEM, 1 TB HARD DRIVE, POWER HARNESS, PASSIVE GPS, SIGNALS & DRIVER ALERT		\$1,250.00
AT-VULCAN12	Vulcan 12 DVR SYSTEM, 1 TB HARD DRIVE, POWER HARNESS, PASSIVE GPS, SIGNALS & DRIVER ALERT		\$1,350.00
AT-CAM	ADDITIONAL INTERIOR CAMERA		\$350.00
AT-IPCAM	ADDITIONAL IP CAMERA		\$450.00
AT-CP4 MONITOR	CP4 TOUCH SCREEN MONITOR		\$275.00
AT-HARD DRIVE UPGRADE	UPGRADE TO 2TB HARD DRIVE		\$350.00
AT-HARD DRIVE UPGRADE SOLID STATE	UPGRADE TO 1TB HARD DRIVE SOLID STATE		\$400.00
AT-SDCARD128	SD Card, 128GB, for backup video storage		\$150.00
AT-SDCARD256	SD Card, 256GB, for backup video storage		\$325.00
AT-SDCARD512	SD Card, 512GB, for backup video storage		\$700.00

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

GATEKEEPER CAMERA SYSTEMS			
Gatekeeper, Y35 V2-1HD, 256GB	Y35 V2 with 1 hi-def camera, driver alert, 256GB SD card, Includes Driver Panic Button, & Signal Harness		\$1,400.00
Gatekeeper, Y35 HD-1HD	Y35 with 1 hi-def camera, driver alert, 1 TB hard drive, Includes Driver Panic Button, & Signal Harness		\$1,250.00
Gatekeeper, Y58-1HD	Y58 with 1 hi-def camera, driver alert, 1TB hard drive, Includes Driver Panic Button, & Signal Harness		\$1,550.00
Gatekeeper, 508HD4a-1HD	508HD4a with 1 hi-def camera, driver alert, 1 TB hard drive, Includes Driver Panic Button, & Signal Harness		\$1,950.00
Gatekeeper, Y16-1 HD	Y16 with 1 hi-def camera, driver alert, 1 TB hard drive, Includes Driver Panic Button, & Signal Harness		\$2,725.00
Gatekeeper, Y62 1 Cam Kit	Y62 DVR with 1 hi def camera and GPS		\$650.00
Gatekeeper, Y62 1 Cam Kit & Cell	Y62 DVR with 1 hi def camera, GPS and Cell		\$875.00
Gatekeeper, INTERIOR Camera	HD INTERIOR CAMERA		\$300.00
Gatekeeper, INTERIOR IP camera	HD IP CAMERA		\$425.00
Gatekeeper, G4-GPS	GPS Puck antenna		\$150.00
Gatekeeper, Foot switch	Foot switch		\$100.00
Gatekeeper, Rear Cable Cover	Rear Cable Covers		\$20.00
Gatekeeper, SP15 IP Camera	SP15 IP Stop arm camera with cable		\$525.00
Gatekeeper, SP25 IP Camera Kit	2 SP15 stop arm cameras with cables		\$975.00
Gatekeeper, 4K Camera	4 K Camera		\$525.00
Gatekeeper, DVRIMORM-701S-4	Rear View Monitor		\$325.00
Gatekeeper, DVRIMORM-901Q	Rear View Monitor		\$425.00
Gatekeeper, G4-SD64GB	64GB SD card		\$120.21
Gatekeeper, G4-SD128GB	128GB SD card		\$192.33
Gatekeeper, G4-SD256GB	256GB SD card		\$384.67
Gatekeeper, G4-Upgrade 2TB	G4-Upgrade to 2TB		\$350.00
Gatekeeper, G4-Upgrade 4TB	G4-Upgrade to 4TB		\$600.00
Gatekeeper, G4-Upgrade to 1TB SSD	G4-Upgrade to 1TB SSD		\$400.00
Gatekeeper, 1 TB Drive	Spare hard drive		\$425.00
Gatekeeper, 2 TB Drive	Spare hard drive		\$525.00
Gatekeeper, BSD System	Blind Spot detection system		\$2,250.00
Gatekeeper, Adv BSD	Advanced blind spot detection add on		\$1,000.00
Gatekeeper, 360 INT CAM	Interior 360° camera		\$1,101.06
Gatekeeper, 360 EXT CAM	360° Exterior camera		\$1,750.00
Gatekeeper, Mobile monitor	Monitor for 360° camera system		\$425.00
Gatekeeper, 360° Mirror	360° Mirror Monitor & Calibration Kit		\$2,000.00
Gatekeeper, ADKIT Plus	ADKIT kit With ADAS and DSM		\$1,050.00
Gatekeeper, ADKIT Basic	ADKIT kit With DSM		\$1,000.00
Gatekeeper, AI Box	Artificial Intelligence Box		\$1,350.00
Gatekeeper, XPAD	Xpad		\$1,450.00
Gatekeeper, XPAD kit	Xpad cables and mount		\$425.00
Gatekeeper, SV System	Side view system		\$1,000.00
Gatekeeper, LCD TV	LCD monitor		\$275.00
Gatekeeper, ICD Monitor	Interactive control display		\$350.00
Gatekeeper, G4-Connect-WiFiDongle	WiFi Dongle		\$115.00
Gatekeeper Tablet	Android Tablet		\$525.00
Gatekeeper, WINDSHIELD MOUNT	Windshield Drop mount		\$90.00
Gatekeeper, Wedge	Camera mounting wedge		\$65.00
Gatekeeper, WIFI Antenna	Dual Band WIFI Antenna and NMO with cable		\$175.00
Gatekeeper, External WIFI	Vehicle WIFI Kit		\$475.00

VIDEO CAMERA / GPS / TECHNOLOGY OPTIONS

MANUF, MODEL	DESCRIPTION	Notes	Price
PRO VISION CAMERA SYSTEMS			
DVR-808M-64	Pro-Vision 16 channel, 1080P High Definition Solid State DVR, (1) Wide Angle 1080P HD Mini Dome Camera, GPS		\$1,100.00
DVR-808S-4G-64	Pro-Vision 16 channel, 1080P HD Solid State DVR, 4G Ready (1) Wide Angle 1080P HD Camera, GPS		\$1,250.00
DVR-808M-4G-256	Pro-Vision 16 channel, 1080P HD Solid State DVR, 4G Ready (1) Wide Angle 1080P HD Camera, GPS, 256gb		\$1,850.00
DVR-808SA	Pro-Vision Stop Arm Camera Package. 1080P HD DVR, Dual Stop-Arm Camera, Wireless File Transfer		\$1,550.00
DR-200-64	Pro-Vision 3 channel, 1080P High Definition Solid State DVR, Passive GPS		\$650.00
DR-200-4G-64	Pro-Vision 3 channel, 1080P High Definition Solid State DVR, Passive GPS, 4G Ready		\$950.00
DVR-810	Pro-Vision 1080P High Definition Dome Camera		\$350.00
DVR-813	Pro-Vision 1080P High Definition Dash Camera		\$350.00
DVR-814	Pro-Vision 1080P High Definition Exterior Side mounted Camera		\$425.00
DVR-820	Pro-Vision 1080P High Definition Exterior Wide Angle Low Profile Camera		\$425.00
DVR-821	Pro-Vision 1080P High Definition Interior Wide Angle Mini Dome Camera		\$525.00
DVR-824	Pro-Vision 1080P High Definition Dual Facing Stop-Arm Camera		\$725.00
PLE-1810	Additional Trigger Package		\$75.00
DVR-718	64gb SDXC Card, Compatible with Pro-Vision System		\$75.00
DVR-728	128gb SDXC Card, Compatible with Pro-Vision System		\$150.00
DVR-738	256gb SDXC Card, Compatible with Pro-Vision System		\$325.00
DVR-831	1TB Solid State Drive, Compatible with Pro-Vision System		\$550.00
DVR-828	Automatic Wireless File Transfer Software		\$325.00
TV-505A	Pro-Vision, Back up Camera Kit with 7" LCD Monitor / Night Vision and Audio		\$575.00
DVR-750	GPS Module		\$175.00
DVR-710	Enhanced Event Marker Button		\$100.00
SYNOVIA GPS SYSTEMS			
FLA-GPS	GPS Hardware Kit with Antenna, I/O Expander and Wiring Harness, 8 Inputs, Panic Button		\$1,150.00
FLA-JPOD	JPOD (Integrated Engine Diagnostics Package)		\$425.00
FLA-OPK	Driver/Operator Panel and Kit		\$300.00
FLA-TABLET	Driver/Operator Tablet and Kit		\$750.00
FLA-BARCODE	Barcode Reader Kit		\$425.00
LOOSE-INSTALL	Installation of District Provided GPS System Equipment (Per Bus)		\$225.00
MANUF, MODEL	DESCRIPTION	Notes	Price
ZONAR GPS SYSTEMS			
V3000-H	V3 GPS System Stand Alone		\$700.00
V3/EVIR-2010	V3 High Def GPS & Vehicle Inspection Report		\$1,100.00
V3/EVIR-2020	V3 High Def GPS & Vehicle Inspection Report, 2020 tablet		\$1,350.00
Z-Pass	Z-PASS (Includes V3 System installed)		\$925.00
LOOSE-INSTALL	Installation of District Provided GPS System Equipment (Per Bus)		\$225.00
MANUF, MODEL	DESCRIPTION	Notes	Price
DIAGNOSTIC HARDWARE & SOFTWARE			
PAN-TGHBK	PANASONIC TOUGHBOOK,16GB RAM, SOLID STATE HARD DRIVE, BACK LIT KEYBOARD		\$2,350.00
DRBN-DGT	DEARBORN DPA DIAGNOSTIC ADAPTER		\$1,250.00
INSITE-01	CUMMINS INSITE LICENSE FOR ONE CALENDAR YEAR (REQUIRES END USER TO HAVE VALID CUMMINS ACCOUNT)		\$1,100.00
ALLISON-DOC	ALLISON DOC TRANSMISSION SOFTWARE LICENSE FOR ONE CALENDAR YEAR		\$500.00
FORD-IDS	FORD IDS DIAGNOSTIC SOFTWARE LICENSE FOR ONE CALENDAR YEAR		\$1,250.00
FORD-VCM ADAPTER	164-R9805 VCMII FORD DIAGNOSTIC ADAPTER		\$1,750.00

INFORMATION SUBMITTED FOR ALL ITEMS ON THIS PAGE MAY NOT BE CHANGED OR SUBSTITUTED UNDER ANY CIRCUMSTANCES.

Date and Signature: