

FREDERICK COUNTY PUBLIC SCHOOLS
PURCHASING DEPARTMENT
191 SOUTH EAST STREET
FREDERICK, MD 21701
TELEPHONE: 301-644-5201 FAX: 301-644-5213



SPECIFICATIONS AND PROPOSAL FORMS

FOR

SCHOOL BUSES

BID NUMBER:	14T5
PRE-BID MEETING TIME/DATE/LOCATION:	2:00 P.M., local time, October 22, 2013 FCPS Board Room 191 South East Street Frederick, MD 21701
BID ATTENDANCE:	Not mandatory, however, attendance is encouraged.
BID DUE TIME/DATE/ LOCATION:	2:00 P.M local time, November 14, 2013 FCPS Board Room 191 South East Street Frederick, MD 21701 (Parking is available at Deck #5 All Saints Street)
TENTATIVE AWARD SCHEDULED FOR BOARD MEETING:	6:00 P.M. local time, December 11, 2013

QUESTIONS REGARDING THIS SOLICITATION SHOULD BE DIRECTED TO:

X Stephen Starmer, Purchasing Manager
Kim Miskell, Assistant Purchasing Manager
Billie Laughland, Buyer Specialist
Bill Meekins, Buyer Specialist
Scott Bachtell, Buyer Specialist

NOTE: Companies must have on file an approved General Application form in order to ensure notification of future bid solicitations. Contact Mrs. Robin Underwood, Vendor Maintenance Specialist, at 301-644-5211, if you are uncertain as to your company's registration status.

Issued: Oct. 7, 2013

Purchasing Office
191 South East Street
Frederick, Maryland 21701
301-644-5209 phone
301-644-5213 fax



Stephen P. Starmer, C.P.M., Purchasing Manager
Kim Miskell, Assistant Purchasing Manager
Billie Laughland, Buyer Specialist
Bill Meekins, Buyer Specialist
Scott Bachtell, Buyer Specialist

INVITATION TO REQUEST FOR PROPOSALS

October 7, 2013

RFP 14T5, SCHOOL BUSES

The Board of Education of Frederick County, in a concerted effort with all the other state Local Education Agencies (LEA's) who either own all or part of their bus fleets, will receive requests for proposals for 14T5, School Buses. Request for Proposals (RFP) will be received and time stamped in the main lobby of Frederick County Public Schools (FCPS) at 191 South East Street, Frederick, MD 21701, prior to and time stamped no later than 2:00 PM, November 14, 2013. RFP's received after this time will be returned unopened. Vendors will be escorted to the Board Room E117, at which time and place bids will be publicly opened and read aloud.

A pre-bid meeting will be held at 2:00 PM, October 22, 2013, 191 South East Street, Frederick, MD 21701. Potential bidders will meet in the Main Lobby and will be escorted to the Board Room E117. Attendance at the pre-bid meeting is not mandatory; however vendors are strongly encouraged to attend. Parking is available on Deck #5, All Saints Street.

FCPS will accept all RFP responses; however only companies having a current general application on file with FCPS will be considered for contract award. Applications are valid for a three year period. At the end of three years, the original application form and a new form will be mailed for update. Therefore, it is imperative that the company notifies FCPS Purchasing Department of all address changes. If your company is not registered as a bidder you can obtain a general application from our website at www.fcps.org/purchasing. If you do not know if your company is registered please contact Robin Underwood, Vendor Specialist at robin.underwood@fcps.org.

To view and/or download this solicitation package please visit our webpage at: <http://www.fcps.org/bidlist>.

FCPS System does not discriminate in admissions, access, treatment, or employment in its programs or activities on the basis of race, color, gender, age, national origin, religion, or disability. For more information, contact the Executive Director of Legal Services at 301-696-6851.

The Board of Education of Frederick County, Maryland, reserves the right to reject any and all bids and to waive any informalities or irregularities in bidding.

By order of the Board of Education of Frederick County, Maryland.

Purchasing Agent: Kim Miskell
Assistant Purchasing Manager



191 S. East Street



DIRECTORY OF SCHOOLS

ELEMENTARY

1. **Ballenger Creek*** **240-236-2500**
Stephanie Brown, Principal
5250 Kingsbrook Drive
Frederick, MD 21703
Fax 240-236-2501
2. **Brunswick ♦♦** **240-236-2900**
Patricia Hosfelt, Principal
400 Central Avenue
Brunswick, MD 21716
Fax 240-236-2901
3. **Carroll Manor ♦♦** **240-236-3800**
Kevin Cuppett, Principal
5624 Adamstown Road
Adamstown, MD 21710
Fax 240-236-3801
4. **Centerville** **240-566-0100**
Tracy Hilliard, Principal
3601 Carriage Hill Drive
Frederick, MD 21704
Fax 240-566-0101
5. **Deer Crossing ♦** **240-236-5900**
Heather Michael, Principal
10601 Finn Drive
New Market, MD 21774
Fax 240-236-5901
6. **Emmitsburg *** **240-236-1750**
Kathryn Golightly, Principal
300 South Seton Avenue
Emmitsburg, MD 21727
Fax 240-236-1751
7. **Glade ♦♦** **240-236-2100**
Sunora Knill-Wilbar, Principal
9525 Glade Road
Walkersville, MD 21793
Fax 240-236-2101
8. **Green Valley** **240-236-3400**
Leigh Warren, Principal
11501 Fingerboard Road
Monrovia, MD 21770
Fax 240-236-3401
9. **Hillcrest *** **240-236-3200**
Kimberly Seiss, Principal
1285 Hillcrest Drive
Frederick, MD 21703
Fax 240-236-3201
10. **Kemptown** **240-236-3500**
Kristen Canning, Principal
3456 Kemptown Church Road
Monrovia, MD 21770
Fax 240-236-3501
11. **Lewistown** **240-236-3750**
Shirley Olsen, Principal
11119 Hessong Bridge Road
Thurmont, MD 21788
Fax 240-236-3751
12. **Liberty** **240-236-1800**
Angela Corrigan, Principal
11820 Liberty Road
Frederick, MD 21701
Fax 240-236-1801
13. **Lincoln *** **240-236-2650**
Ann Reeve, Principal
200 Madison Street
Frederick, MD 21701
Fax 240-236-2651
14. **Middletown** **240-236-1100**
Grades 3-5
Steve Parsons, Principal
201 East Green Street
Middletown, MD 21769
Fax 240-236-1150
15. **Middletown Primary ♦♦** **240-566-0200**
Grades Pre-K–2
Karen Hopson, Principal
403 Franklin Street
Middletown, MD 21769
Fax 240-566-0201
16. **Monocacy *** **240-236-1400**
Allie Watkins, Principal
7421 Hayward Road
Frederick, MD 21702
Fax 240-236-1401
17. **Myersville** **240-236-1900**
Kathy Swire, Principal
429 Main Street
Myersville, MD 21773
Fax 240-236-1901
18. **New Market *** **240-236-1300**
Cindy Alvarado, Principal
93 West Main Street
New Market, MD 21774
Fax 240-236-1301

19. **New Midway-Woodsboro**
Giuseppe DiMonte, Principal
A) New Midway **240-236-1500**
Grades 3-5
12226 Woodsboro Pike
Keymar, MD 21757
Fax 240-236-1501
B) Woodsboro * **240-236-3700**
Grades Pre-K–2
101 Liberty Road
Woodsboro, MD 21798
Fax 240-236-3701
20. **North Frederick *** **240-236-2000**
DeVeda Coley, Principal
1001 Matter Avenue
Frederick, MD 21701
Fax 240-236-2001
21. **Oakdale *** **240-236-3300**
Randy Perrell, Principal
9850 Old National Pike
Ijamsville, MD 21754
Fax 240-236-3301
22. **Orchard Grove *** **240-236-2400**
Debra Myers, Principal
5898 Hannover Drive
Frederick, MD 21703
Fax 240-236-2401
23. **Parkway ♦** **240-236-2600**
Elizabeth Little, Principal
300 Carroll Parkway
Frederick, MD 21701
Fax 240-236-2601
24. **Sabillasville** **240-236-6000**
Kate Krietz, Principal
16210-B Sabillasville Road
Sabillasville, MD 21780
Fax 240-236-6001
25. **Spring Ridge ♦♦** **240-236-1600**
Deborah Thackston, Principal
9051 Ridgefield Drive
Frederick, MD 21701
Fax 240-236-1601
26. **Thurmont (Gr. 3-5)** **240-236-0900**
Cheryl Crawford, Principal
805 East Main Street
Thurmont, MD 21788
Fax 240-236-0901
27. **Thurmont Primary ♦♦** **240-236-2800**
Grades Pre-K–2
Karen Locke, Principal
7989 Rocky Ridge Road
Thurmont, MD 21788
Fax 240-236-2801

28. **Tuscarora** **240-566-0000**
Stephen Raff, Principal
6321 Lambert Drive
Frederick, MD 21703
Fax 240-566-0001
29. **Twin Ridge ♦♦** **240-236-2300**
Dr. Ayesha McArthur, Principal
1106 Leafy Hollow Circle
Mt. Airy, MD 21771
Fax 240-236-2301
30. **Urbana ♦** **240-236-2200**
Jan Hollenbeck, Principal
3554 Urbana Pike
Frederick, MD 21704
Fax 240-236-2201
31. **Valley *** **240-236-3000**
Jason Bowser, Principal
3519 Jefferson Pike
Jefferson, MD 21755
Fax 240-236-3001
32. **Walkersville** **240-236-1000**
Tess Blumenthal, Principal
83 West Frederick Street
Walkersville, MD 21793
Fax 240-236-1050
33. **Waverley ♦♦** **240-236-3900**
Barbara Nash, Principal
201 Waverley Drive
Frederick, MD 21702
Fax 240-236-3901
34. **Whittier ♦♦** **240-236-3100**
Amy Schwiegerath, Principal
2400 Whittier Drive
Frederick, MD 21702
Fax 240-236-3101
35. **Wolfsville *** **240-236-2250**
John Festerman, Principal
12520 Wolfsville Road
Myersville, MD 21773
Fax 240-236-2251
36. **Yellow Springs** **240-236-1700**
Susan Kreiger, Principal
8717 Yellow Springs Road
Frederick, MD 21702
Fax 240-236-1701

MIDDLE

37. **Ballenger Creek** **240-236-5700**
Mita Badshah, Principal
5525 Ballenger Creek Pike
Frederick, MD 21703
Fax 240-236-5701
38. **Brunswick** **240-236-5400**
Barbara Keiling, Principal
301 Cummings Drive
Brunswick, MD 21716
Fax 240-236-5401
50. **Brunswick** **240-236-8600**
Nancy Doll, Principal
101 Cummings Drive
Brunswick, MD 21716
Fax 240-236-8601
51. **Catoctin** **240-236-8100**
Bernard Quesada, Principal
14745 Sabillasville Road
Thurmont, MD 21788
Fax 240-236-8101
52. **Frederick** **240-236-7000**
Kathy Campagnoli, Principal
650 Carroll Parkway
Frederick, MD 21701
Fax 240-236-7015
53. **Governor Thomas Johnson** **240-236-8200**
Jethro Reid, Principal
1501 North Market Street
Frederick, MD 21701
Fax 240-236-8201
54. **Linganore** **240-566-9700**
David Kehne, Principal
12013 Old Annapolis Road
Frederick, MD 21701
Fax 240-566-9701
55. **Middletown** **240-236-7400**
Denise Fargo-Devine, Principal
200 Schoolhouse Drive
Middletown, MD 21769
Fax 240-236-7450
56. **Oakdale** **240-566-9400**
Jeff Marker, Principal
5850 Eaglehead Drive
Ijamsville, MD 21754
Fax 240-566-9401
57. **Tuscarora** **240-236-6400**
Kathleen Schlappal, Principal
5312 Ballenger Creek Pike
Frederick, MD 21703
Fax 240-236-6401
58. **Urbana** **240-236-7600**
Jay Berno, Principal
3471 Campus Drive
Ijamsville, MD 21754
Fax 240-236-7601
59. **Walkersville** **240-236-7200**
Tracey Franklin, Principal
81 West Frederick Street
Walkersville, MD 21793
Fax 240-236-7250



KEY

- * Pre-kindergarten program available
- ◆ Special education pre-kindergarten available

Middle (continued)

- 39. **Crestwood** 240-566-9000
Dr. Dan Lippy, Principal
7100 Foxcroft Drive
Frederick, MD 21703
Fax 240-566-9001
- 40. **Governor Thomas Johnson** 240-236-4900
Neal Case, Principal
1799 Schifferstadt Boulevard
Frederick, MD 21701
Fax 240-236-4901
- 41. **Middletown** 240-236-4200
Everett Warren, Principal
100 Martha Mason Street
Middletown, MD 21769
Fax 240-236-4250
- 42. **Monocacy** 240-236-4700
Brian Vasquezna, Principal
8009 Opossumtown Pike
Frederick, MD 21702
Fax 240-236-4701
- 43. **New Market** 240-236-4600
Jennifer Bingman, Principal
125 West Main Street
New Market, MD 21774
Fax 240-236-4650
- 44. **Oakdale** 240-236-5500
Stephanie Ware, Principal
9840 Old National Pike
Ijamsville, MD 21754
Fax 240-236-5501
- 45. **Thurmont** 240-236-5100
Jennifer Powell, Principal
408 East Main Street
Thurmont, MD 21788
Fax 240-236-5101
- 46. **Urbana** 240-566-9200
Michelle Concepcion, Principal
3511 Pontius Court
Ijamsville, MD 21754
Fax 240-566-9201
- 47. **Walkersville** 240-236-4400
Stacey Hiltner, Principal
55 West Frederick Street
Walkersville, MD 21793
Fax 240-236-4401
- 48. **West Frederick** 240-236-4000
Frank Vetter, Principal
515 West Patrick Street
Frederick, MD 21701
Fax 240-236-4050
- 49. **Windsor Knolls** 240-236-5000
T.C. Suter, Principal
11150 Windsor Road
Ijamsville, MD 21754
Fax 240-236-5001

OTHER

- 60. **Career and Technology Center** 240-236-8500
Michael Concepcion, Principal
7922 Opossumtown Pike
Frederick, MD 21702
Fax 240-236-8501
- 61. **Carroll Creek Montessori Public Charter School *** 301-663-7970
Gerald DeGrange, Acting Principal
7215 Corporate Court
Frederick, MD 21703
Fax 301-663-6107
- 62. **Frederick Classical Charter School** 240-236-1200
Jacqueline Piro, Principal
8445 Spires Way
Frederick, MD 21701
Fax 240-236-1201
- 63. **Frederick County Virtual School** 240-236-8421
Dr. Stacey Adamiak, Principal
c/o GTJMS
1799 Schifferstadt Boulevard
Room 116
Frederick, MD 21701
Fax 240-236-8451
- 64. **Heather Ridge** 240-236-8000
Denise Flora, Principal
1445 Taney Avenue
Frederick, MD 21702
Fax 240-236-8001
- 65. **Monocacy Valley Montessori Public Charter School *** 301-668-5013
Felacita King, Principal
217 Dill Avenue
Frederick, MD 21701
Fax 301-668-5015
- 66. **Rock Creek ◆** 240-236-8700
Mary Malone, Principal
191 Waverley Drive
Frederick, MD 21702
Fax 240-236-8701

For other useful numbers, see next page

Frederick County Public Schools' Calendar SY 2013-14

Approved January 23, 2013

August 2013

5-7 Mon-Wed New Teachers Report
 9 Fri New Teachers Report
 13-16 Tue-Fri Teachers Report to Work: Training and Preparation
 19 Mon First Day of School for Students

September 2013

2 Mon Schools Closed: Labor Day
 5 Thu Schools Closed: Rosh Hashanah
 19 Thu Mid-Term
 20 Fri Schools Closed: Fair Day
 23 Mon 2-Hour Early Dismissal for Students: Teacher Work Session
 30 Mon High School Assessments

October 2013

1-2 Tue-Wed High School Assessments
 16 Wed PSAT Testing
 18 Fri Schools Closed for Students: Teacher Professional Development Day
 24 Thu End of First Term
 25 Fri Schools Closed for Students: Teacher Work Day
 28 Mon Second Terms Begins

November 2013

22 Fri 2-Hour Early Dismissal for Students (Mid-Term): Teacher Work Session
 25 Mon Elementary & Middle School Parent-Teacher Conferences in evening: Schools open 4 hours late
 26 Tue Elementary & Middle School Parent-Teacher Conferences in afternoon: Schools dismiss 3.5 hours early
 27 Wed Schools Closed: Thanksgiving Break
 28-29 Thu-Fri Schools Closed: Thanksgiving and American Indian Heritage Day

December 2013

20 Fri 2-Hour Early Dismissal for Students: Teacher Work Session
 23 Mon Schools Closed: Winter Break
 24 Tue Schools Closed: Christmas Eve
 25 Wed Schools Closed: Christmas Day
 26-31 Thu-Tue Schools Closed: Winter Break

January 2014

1 Wed Schools Closed: New Year's Day
 6-9 Mon-Thu High School Assessments
 10 Fri First Semester (Second Term) Ends
 13 Mon Schools Closed for Students: Teacher Work Day
 14 Tue Second Semester (Third Term) Begins
 20 Mon Schools Closed: Dr. Martin Luther King Jr. Day

February 2014

13 Thu Mid-Term
 14 Fri 2-Hour Early Dismissal for Students: Teacher Work Session
 17 Mon Schools Closed: Presidents' Day
 18 Tue Schools Closed for Students: Teacher Curriculum Day

March 2014

3-12 Mon-Wed Maryland School Assessments (Reading and Mathematics)
 20 Thu End of Third Term
 21 Fri Schools Closed for Students: Teacher Work Day
 24-31 Mon-Mon Maryland School Assessments (Science)

April 2014

1-11 Tue-Fri Maryland School Assessments (Science)
 14-17 Mon-Thur Schools Closed: Spring Break
 18 Fri Schools Closed: Good Friday
 21 Mon Schools Closed: Easter Monday

May 2014

2 Fri 2-Hour Early Dismissal for Students (Mid-Term)
 19-22 Mon-Thu High School Assessments
 23 Fri 2-Hour Early Dismissal for Students: Teacher Work Session
 26 Mon Schools Closed: Memorial Day

June 2014

11* Wed 2-Hour Early Dismissal/Last Day of School for Students: Teacher Work Session
 12* Thu Last Day of School for Teachers

*Includes 5 days for snow or other emergency closings. If all days are not needed, the school year will be shortened by the number of unused days to provide 180 days for students.

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Section A

Contract Terms and Conditions

A. GENERAL CONDITIONS AND INSTRUCTION FOR SUPPLIES AND EQUIPMENT

1. PRE-BID MEETING

If warranted, a Pre-Bid Meeting will be held at the date and time indicated on the cover page of this solicitation package. Unless noted otherwise, the meeting will be held in the Conference Room of the Purchasing Department, located at 191 South East Street, Frederick, Maryland 21701.

Attendance at the Pre-Bid Meeting is not mandatory in order for your bid to be considered for an award, yet all vendors are strongly encouraged to attend.

The agenda for this Pre-Bid Meeting will include the following: introduction of staff; description of scope of work; timeline/scheduling; budget priorities/concerns; and procurement responsibilities.

Due to possible changes and/or additions to the specifications, bids should not be mailed until after the pre-bid meeting. All changes will be processed through addenda of this solicitation package.

2. TIME FOR RECEIVING BIDS

Bids received prior to the time of opening will be securely kept unopened. The representative of the Superintendent, whose duty it is to open bids, will decide when the specified time has arrived. No bid received thereafter will be considered. The Superintendent or his/her representative will not be responsible for the premature opening of bids received not properly addressed or identified. Any bid may be withdrawn before the scheduled time for opening bids. After a bid has been opened, it may not be withdrawn.

All bids received must include original signatures; no photo copies will be accepted. Unless specifically authorized, facsimile or electronic mailed bids will not be considered. Modifications by facsimile of bids already submitted will be considered if received prior to the time set for opening. No bids will be accepted via telephone.

Bids received after the designated date and/or time will not be accepted, regardless of when they were mailed or given to a delivery carrier.

In the event of inclement weather on the date when bids are scheduled to be opened and the FCPS Administrative Offices are closed, bids will be opened on the next business day at the same time as previously scheduled. Bids will be accepted until the scheduled time of opening on the next business day. (Often when schools are closed due to inclement weather, administrative offices remain open. When in doubt, call the Purchasing Department.)

3. RECEIPT AND OPENING OF BIDS

Sealed bids will be opened in the Purchasing Department, 191 South East Street, Frederick, Maryland 21701, on the date and hour stated herein.

All inner and outer envelopes and packaging, used by Fed Ex, UPS and etc., should be labeled with the Bid Name, Bid Number, and Due Date/Time. This will help assure timely receipt of bids in the Purchasing Department. Bids not received in time due to improper labeling will be considered non-responsive.

4. AUTHORIZED DEALERS

Only authorized dealers may bid on equipment requested herein. At the discretion of the Board of Education (herein after referred to as the Board), a certificate, executed by the manufacturer, may be requested stating that the bidder is an authorized agent of the manufacturer and is duly authorized to service and maintain the equipment.

An inspection of a bidder's place of business may be made to determine if satisfactory standards of sanitation exist or to determine product quality.

5. PREPARATION OF BID/SIGNATURE

Bids must be prepared on the enclosed proposal form(s) and in accordance with the specifications herein.

Each bid must show the full business address and telephone number of the bidder and be signed by the person or persons legally authorized to sign contracts. All correspondence concerning the bid and contract, including notice of award, copy of contract, and purchase order will be mailed or delivered to the address shown on the bid in the absence of written instructions from the bidder to the contrary.

Bids by partnerships must be signed with the partnership name, followed by the signature and designation of the person having authority to sign. Bids by corporations must be signed with the name of the corporation, followed by the signature and designation of the person having authority to sign. When requested, satisfactory evidence of authority of the person signing will be furnished. Anyone signing the bid as an agent shall file satisfactory evidence of his/her authority to do so, if requested.

Failure to properly sign the bid document will result in rejection of the bid.

6. ERRORS IN BIDS/INTERPRETATION

Bidders or their authorized representatives are expected to fully inform themselves as to the conditions and requirements of the specifications before submitting bids. Failure to do so will be at the bidder's own risk.

Should any bidder be in doubt as to the meaning of the specifications, or should he/she find any discrepancy or omission, he/she shall notify the Purchasing Manager for the Board. All bidders will then be notified, in writing, of clarification or additional information by means of addenda.

If the bidder has made an error, the bidder may request in writing, to have his/her bid withdrawn. Approval of a bidder's request is not automatic and may be given only by the Purchasing Manager and/or the Board. Requests for withdrawal are usually denied, unless the bidder proves to the satisfaction of the Purchasing Manager and/or the Board that the mistake was either a scrivener's error or another type of clearly unintentional error so departing from customary and reasonable business practices as to be obvious and to legitimately and substantially impair the vendor's business.

Neither law nor regulations make allowance for errors either of omission or commission on the part of the bidders. In case of error in multiplication of unit price when arriving at total price per line item, the unit price shall govern. If there is a discrepancy between the price written in numbers and the price written in words, the words will govern.

7. QUOTATION

The bidder shall complete the information requested on the proposal form(s). Prices quoted shall not exceed the prices established under any governmental price control regulations.

All prices shall be firm for a period of ninety (90) days from the date of bid opening unless otherwise stated under Special Notices. THE BOARD RETAINS THE RIGHT, WITH MUTUAL CONSENT OF THE BIDDER(S), TO UTILIZE THE BID PRICING AND APPROVED PRICE CHANGES FOR FUTURE PURCHASES FOR AS LONG AS THE BIDDER(S) MUTUALLY AGREES TO EXTEND THE PRICES.

The Board will not accept any proposal with escalator clauses, minimum order requirements or irregular features unless specifically authorized under "Special Notices".

If the contract includes equipment, all prices must be FOB-Destination (inside delivery). The bidder(s) are encouraged to bid only one product per line item that most nearly meets the specifications. If the bidder believes that there is more than one product available, a limit of two offers will be considered for each line item.

If two or more particular brands, models, or makes are listed in the specifications (under Base and Alternate Bids) and the bidder has not indicated in the bid which of the two or more brands, models, etc., is being bid, it shall be understood that the Board may require the Contractor to furnish whichever is preferred by the Board.

8. BIDS FOR ALL OR PART

A bidder may restrict his/her bid to be considered in the aggregate by so stating, but should name a unit price on each item bid upon. Any bid, which the bidder names a total price for all the items without quoting a price on each and every separate item, may be considered non-responsive. Unless a bidder has restricted his/her bid, award may be made to the bidder submitting the lowest aggregate bid on a group of items of a similar nature or on an individual item basis, or any other basis deemed to be in the best interest of the Board.

9. STANDARD OF QUALITY, "OR EQUAL CLAUSES", MATERIALS SUBSTITUTIONS

Unless otherwise specified, all materials used for the manufacturer or construction of any work covered by this bid shall be new and the workmanship shall be of the highest quality. Any material or article, which will perform adequately the duties imposed by the general design, will be considered equal and satisfactory. This is providing the material or article so proposed is of equal substance of function in the Purchasing Manager's opinion. THE BRAND SPECIFIED IS USED ONLY TO ESTABLISH A QUALITY LEVEL. EQUIVALENT ITEMS WILL BE ACCEPTED UNLESS SPECIFICALLY NOTED OTHERWISE, UNDER SPECIAL NOTICES.

In the absence of any statement to the contrary by the bidder, the bid will be interpreted as being the exact brand and/or qualities, etc., enumerated in the detailed specifications, whenever the specifications indicate a product of a particular manufacturer, model or brand.

If for any reason the Contractor cannot guarantee his/her work using a material or equipment which has been specified, he/she shall so notify the Board in writing at least seven days in advance of the bid opening, giving reasons, together with the name and data concerning substitute products proposed. Requests for substitutions must be accompanied by documentary proof of equality and delivery from suppliers of both specified and proposed equipment and materials. A statement of any credit or extra cost involved shall also be included with the request.

Requests for approval of substitutions may not be considered a cause for delay in any phase of the work to be accomplished. The Board's decision will be the final authority in all cases.

10. SPECIFICATIONS AND/OR CATALOGUE CUTS

Bidders must submit description literature even though they believe their product does meet the specification. This description material will facilitate the evaluation and detailed comparison of the product bid and the specified item. Failure to submit such detailed data as required and/or at the time designated by the Purchasing Department shall be cause for rejection of that item.

Full illustrations and specifications on each item offered (if other than the specified item) must accompany the bid proposal and be contained in a brochure properly bound and labeled. These cuts and specifications are to be arranged and labeled in numerical sequence according to item number, and attached on separate pages. The cover and brochure shall contain:

- A. Vendor's name, address, and phone number
- B. Bid number
- C. Bid opening date

11. SAMPLES

The Purchasing Department for testing and evaluation purposes may request samples. Failure to submit samples as required at the time designated by the Purchasing Department shall be cause for rejection of that item.

All samples must be delivered with all charges prepaid to the LEA's Purchasing Department plainly marked to indicate make/model, item number, name of bidder, bid name and number, date of bid opening, and must be accompanied by instructions as to the return thereof.

Accepted samples may be retained during the life of the contract. The right is reserved to retain any sample submitted with bids whenever deemed necessary to do so for the purposes of examination and testing. The Board reserves the right to use all samples in any manner which may best serve the final determination of the successful bidder, even if said examination and testing results in damage to or destruction of the sample.

The vendor shall remove samples that are not retained within two weeks upon notification of Award/Non-Award letter by the Board. Unless the samples, when received by the Purchasing Department, are accompanied with instructions as to their return, and include sufficient funds to defray shipping charges or provide for return by freight or express on a collect basis, samples shall become the property of the Board. Samples not removed within this two-week period shall be disposed at the discretion of the Purchasing Department. Disposal may include retention and use by the Board without compensation to the bidder or person furnishing the samples.

12. BID BOND

Bid bonds are not required at this time except under special circumstances. See the Special Notices section of the bid document, if applicable.

13. PERFORMANCE AND PAYMENT BONDS

Performance and payment bonds are not required on all bids. See the Special Notices section of the bid document, if applicable.

If applicable, the successful bidder(s) may be required to submit either one or both of the following two bonds to the Purchasing Department for each LEA against each individual purchase order within ten calendar days as directed by each LEA.

- A. **Performance Bond** in the amount of 100% of the contract price covering faithful performance of the contract; and
- B. **Payment Bond** in the amount of 100% of the contract price as security for the payment of all persons performing labor and furnishing materials in connection therewith.

The cost of the performance bond and payment bonds will be borne by the bidder(s) in all instances.

Certified checks in the amounts stated above will be accepted in lieu of the performance bond and payment bond only upon prior approval of the Purchasing Manager. If checks are approved for acceptance in lieu of either bond, they should be in the same amount as these bonds; be separate checks; and should clearly designate the purpose - i.e., performance or payment.

Certified checks, if submitted, will be deposited in the Board's bank account(s). Upon successful completion of the contract, check(s) will be drawn upon the Board's bank account(s) for the full amounts of both certified checks.

Bonds must be approved by surety companies which are named in the most current Circular 570 "Surety Companies Acceptable on Federal Bonds" as issued by the U.S. Treasury, Bureau of Government Finance Operations, Division of Banking and Cash Management, Washington, D.C. 20111. Maryland Code 21-102 – A certificate of authority, or certified copy of a certificate of authority, issued by the Commissioner to a surety insurer shall be accepted as evidence of qualification to become sole surety on a bond, undertaking, recognizance, or other obligation required or allowed by law, or in the charter, ordinances, rules, or regulations of a municipal corporation, board, organization, court, judge, or public officer, without further

proof or qualification regarding solvency, credit, or financial sufficiency to act as a surety or bidders must use bonding companies rated by A.M. Best Company of at least A-/VIII.

If a bonding company is used that is not on the most current Circular 570, the vendor will be contacted to obtain a bond from an approved surety company and re-submit it to the Purchasing Department within ten working days after contact award.

Upon receipt and approval of the performance bond and payment bond or the certified checks, an official purchase order will be issued and the contract initiated.

14. AWARDS OR REJECTION OF BIDS

In general, it is the intention of the Board to make awards to bidders submitting the lowest bid prices provided; (a) all the terms of the invitation have been met; (b) the prices are reasonable; and (c) it is in the best interest of the Board to accept them.

The Board reserves the right to determine completeness and/or timeliness of bids, to reject any or all bids in whole or in part, to make partial awards, to waive any irregularity in any quotation, to increase or decrease quantities if quantities are listed in the bid, to reject any bid that shows any omissions, alterations of form, additions not called for, conditions, or alternate proposals, and to make any such award as is deemed to be in its best interest.

Bidders may be required, before the awarding of a contract, to show to the complete satisfaction of the Board, that they have the necessary facilities, ability and financial resources to execute the work in a satisfactory manner, and within the time specified. Bidders may demonstrate that they have the necessary experience, history and references which will assure the Board of their qualifications for executing the work. (A detailed audited financial statement may be required.)

Bidders are required, as a part of their bid submission, to provide information regarding their firm's status as a Minority Business Enterprise (MBE) and the diversity of their firm's board of directors and company officers. Bidders also are required, as a part of their bid submission, to provide a plan for the utilization of minority Contractors, subcontractors or suppliers in executing the contract, if their firm receives an award.

The Board reserves the right to reject the bid of a bidder who has, in the opinion of the Board, previously failed to perform properly in contracts of similar nature, or the bid of a bidder who investigation shows is not in a position to perform the contract.

If during the life of the contract, a bidder fails to comply with the terms of the contract, or a product does not meet specifications, the Board retains the right to re-award the item to another bidder, as long as that bidder mutually agrees to the award.

The Board reserves the right to award the bid within 90 days from the date of the bid opening unless a different time period is stated in the bid document. Unless stated otherwise under "Special Notices", the reluctant Contractor(s) will be awarded by line item or in the aggregate, whichever is in the best interest of the Board.

15. OBJECTION TO AWARD RECOMMENDATION

Any vendor objecting to the Purchasing Manager's recommendation for award may protest the Purchasing Manager's action by formally notifying, in writing, to the Executive Director of Fiscal Services. The bidder's written protest must be received in the Purchasing Department at least five working days prior to the Board meeting for which the bid award is scheduled. It is the bidder's responsibility to ascertain the date and time of the pertinent Board meeting. The protest must specifically and fully identify the bidder's objection(s); the legal basis for the objection including the itemization of laws, regulations, policies, or bid procedures, etc., which have been allegedly violated; a statement of all facts which support the bidder's position; a copy of all documents which are relevant or upon the bidder is relying; and a statement as to the relief sought by the bidder.

16. OBJECTION TO AWARD

Any objections to an award made by the Board must be filed, in writing, to the Executive Director of Fiscal Services and received with ten days following the date of the award by the Board. The objection must specifically and fully identify the vendor's objections and any supporting legal or procedural authority.

17. CONTRACT

The form of contract may be noted in the Special Notices section of this bid solicitation or a copy may be included in this request for bids. If not, the following applies. When the Board accepts a bid and awards a contract, the purchase order/s, and any agreed upon schedules, addenda, shop drawings, and other documents associated with the bid solicitation/ submission/ award process will constitute the contract. Notification of the contract award will be made by letter after approval by the Board.

Subsequently, no amendment, modification or change to the Contract shall be effective unless such change is in writing and signed by authorized LEA representatives and the vendor. Changes may not significantly alter the original scope of the agreement.

Sample contracts shall be included in the appendix.

18. MULTI-YEAR CONTRACT

Those contracts that require funding appropriation for more than one fiscal year automatically terminate if money sufficient for the continued performance is not appropriated for any fiscal year. The date of termination is the last day of the fiscal year for which money was last appropriated, or the date provided in the termination clause of the procurement contract, whichever is earlier.

19. SUBCONTRACTORS

The Contractor shall give his/her personal attention constantly to the faithful execution of this contract. The Contractor shall keep the same under his/her own control and shall not assign or sublet by Power of Attorney or otherwise the work or any part thereof without the previous consent of the Purchasing Department. He/she may be required to submit to the Purchasing Department, in writing, the name of each subcontractor he/she intends to employ, the portion of the material to be furnished, his/her place of business, and any such information as may be required in order to know whether such subcontractor is reputable and reliable and able to furnish satisfactorily the material as called for in the specifications.

The Contractor shall not legally or equitably assign any of the funds payable under the contract or its claim thereto, unless by and with the consent of the Purchasing Department.

The Contractor shall have the same provisions inserted in all subcontracts relative to the terms of the General Conditions and other contract documents. Nothing contained in this contract shall create any contractual relations between any subcontractor and the Board.

The Board reserves the right to approve or disapprove all subcontractors to be employed on a project. The Board further reserves the right to approve or disapprove a change of subcontractor once an initial subcontractor has been approved. Any increased cost associated with the change of a subcontractor shall be the full obligation and responsibility of the Contractor.

20. EMPLOYEES' RESPONSIBILITIES

All Contractors and subcontractors must abide by Board policies and regulations while working on school property. The Board desires to maintain a safe, healthy, and productive environment free of alcohol and drugs. The Board endorses the provisions of Public Law 100-690, Title V, Subtitle D (Drug-Free Workplace Act of 1988) and Public Law 101-226 (The Drug-Free Schools and Communities Act of 1989) and regulations promulgated there under and establishes a drug-free and alcohol-free workplace and school system.

Maryland State Law (COMAR 13A.02.04) provides that each local school system is required to maintain a tobacco-free school environment.

Be advised that individuals who are registered sex offenders are not eligible to work on any LEA project. The Contractor must initially check the Maryland Department of Public Safety & Correctional Services' MARYLAND SEX OFFENDER REGISTRY and search for the name of any employee to be assigned to work on this project. This applies to subcontractors and material/equipment suppliers as well. For projects lasting more than a few months, the Contractor shall periodically re-check the names of workers against the registry to ensure ongoing compliance. In the event that a registered sex offender is discovered to be working on an LEA project, whether through employment by the prime Contractor, subcontractor or equipment or material supplier, LEA will notify the site superintendent to immediately remove the individual from the premises and permanently terminate his work assignment. LEA may terminate this contract as a result if the Contractor is unable to demonstrate he has exercised care and diligence in the past in checking the Maryland registry.

21. INSURANCE REQUIREMENTS

In the event the vendor as part of the contract is responsible for installation, the vendor will be responsible for hiring personnel to perform such installation at its own costs. Such personnel will be considered employees of the vendor and are under his/her control and direction. The vendor will maintain Worker's Compensation in the statutory amount to cover such employees performing such installation work in accordance with the laws of the state in which the work of this contract is to be performed. The vendor shall also maintain Employee's Liability Insurance with limits of at least \$100,000 for each accident, \$100,000 to cover disease (each employee) with a disease policy limit of \$500,000, for injuries excluded under the Worker's Compensation Act.

Prior to the commencement of any installation work by the vendor, the vendor will be required to submit a certificate of insurance evidencing Worker's Compensation and Employer's Liability Insurance in the amounts required above. In addition this certificate will indicate the amounts of insurance carried by the vendor of the following types: COMMERCIAL GENERAL LIABILITY INSURANCE, AUTOMOBILE LIABILITY INSURANCE, EXCESS LIABILITY INSURANCE, and any other insurance coverage maintained by the vendor.

If a sub-Contractor will perform any aspect of the work, the Contractor shall either (1) require each of his/her sub-Contractors to procure and to maintain during the life of the sub-contract liability insurance of the type and in the same amounts as listed above, or (2) insure the activities of the subcontractor in his/her own policy. It will be the responsibility of the Contractor to ensure that all subcontractors comply with this provision, and the Contractor will indemnify and hold harmless the Board for failure of any subcontractor to comply with this provision.

The certificate of insurance will state that such insurance is in force and cannot be cancelled or released except upon 30 days prior written notice to the Board.

All contracts of insurance shall specifically name the LEA as additional insured parties, other than Worker's Compensation Insurance policy. The Contractor's insurance shall be primary and non-contributory to any insurance carried by the Board of Education. Waiver of subrogation applies to the above policies in favor of the certificate holder. Insurance companies must be AM Best Company rated at least A-/XIII.

22. EXPEDITING DELIVERY/LIQUIDATED DAMAGES

A date for delivery and/or installation/assembly shall be stated in the bid specifications. The vendor will be notified when these dates have not been met. An additional 15 calendar days will be given to comply. After this grace period, the appropriate bonding company, if applicable, will be notified in writing with a copy sent to the vendor. Liquidated damages may be assessed at the rate of \$150 dollars per bus per calendar day until delivery and/or installation/assembly is complete and satisfactory. Other rates may be set in lieu of or in addition to the amount stated above. If applicable, this information will be provided under Special Notices.

Requests for extension of completion time due to strikes, lack of materials, or any other causes over which the Contractor has no control will be reviewed after written application is made to the Purchasing Department. Requests must occur immediately upon occurrence of conditions for a time extension to be granted. Extensions are not guaranteed.

23. HEALTH AND SAFETY STANDARDS

When applicable, all machinery/equipment must meet OSHA-MOSHA requirements as to the safety of the operation of the equipment. All required safety devices shall be included in the price(s) bid.

All construction activities must be conducted in strict compliance with OSHA/MOSHA requirements.

Equipment offered which fails to comply with any applicable section of the National Electrical Code, or is not U.L. Listed (where U.L. Listings have been established for that type of device) shall be rejected.

The Contractor and subcontractors are required to comply with all provisions of the Access to Information about Hazardous and Toxic Substances Act, a part of the Maryland Occupational Safety and Health Law.

24. INSPECTIONS AND CORRECTION OF WORK

The Board's representative shall at all times have access to the work wherever it is in preparation he Contractor shall provide proper facilities for such access.

If the specifications, laws, ordinances, or any public authority require any work to be specially tested or approved, the Contractor shall give the Board timely notice of its readiness for observations. If the inspection is by another authority, the Contractor shall notify the Board of the date fixed for such inspection and shall use the required Certificate of Inspection.

If any work should be covered up without approval or consent of the Board it must, if required, be uncovered for examination at the Contractor's expense. The Board may order re-examination of questioned work and, if so ordered, the Contractor must uncover the work. If such work is found not to be in accordance with the contract documents, the Contractor shall pay such cost. If another Contractor employed by the Board caused the defect in the work, the Board shall pay such cost and recover the charges from the other Contractor.

25. DAMAGES/RESPONSIBILITIES FOR ITEMS TENDERED

The vendors shall be held responsible for and shall be required to make good, at their own expense, any or all damages done or caused by them or their workers in the execution of the contract.

The vendors shall be responsible for the items covered by this contract until they are delivered and/or installed/assembled at the designated place of delivery.

26. GUARANTEE

Neither the final certificate of payment nor any provisions in the contract documents nor partial or entire occupancy of the premises by the Board shall constitute an acceptance of work not done in accordance with the contract documents or relieve the Contractor of liability in respect to any express warranties or responsibilities for faulty materials or workmanship.

On all other items, the Contractor shall guarantee the material and workmanship on all services, equipment, materials, supplies, and labor furnished by him for a period of one year from the date of acceptance, unless a longer or shorter period of time is stated elsewhere in the specifications.

If, within the guarantee period, any defects or signs of deterioration are noted, the Contractor, at his/her expense, shall correct the condition or he/she shall replace the part or entire unit of work/equipment to the complete satisfaction of the Board. These repairs, replacements, or adjustments shall be made only at such times as will be designated by the Board as least detrimental to the instructional programs.

Should the Contractor fail to comply with the terms of this guarantee, the Board may have such work performed, as it deems necessary to fulfill the guarantee, charging the cost to the Contractor.

27. COMPLIANCE TO SPECIFICATIONS

The Board shall not be responsible to provide personnel, testing facilities, or other resources necessary to search out substitutions and deviations in bid proposals which are unclear through the nebulous terms such as "comparable", or blanket statements of deviation such as "our standard design, construction, hardware, finishes, etc." It shall be the responsibility of the bidder to submit a clear and concise bid proposal wherein each substitution and deviation is identified and described.

The bidder shall, upon request and with no cost to the Board, furnish documents, independent laboratory tests reports, and/or similar materials of proof to substantiate that the substitutions and deviations of the items he/she proposes to furnish do not prevent these items from being truly and factually equal to or exceeding that which is specified.

No substitutions or deviations in equipment will be permitted following the award of the contract unless "cause and effect" is presented in writing and approved by the Purchasing Department.

28. BILLING AND PAYMENT

The Contractor shall furnish satisfactory bills, payrolls and vouchers covering all items of cost. When requested, they shall give representatives of the Board access to accounts relating thereto.

Partial payments may be made at specific intervals depending upon the length and dollar value of the project. When partial payments are requested, the invoice or requisition for payment should be sent to the Finance Department for payment. Invoices for partial payments should show only the work performed and/or materials/equipment supplied and on site.

Payments will be made by check, single use credit account or credit card. Credit card statements with level three data are preferred. Bidders are prohibited from charging additional costs or fees from their bid price to process such orders.

If applicable, an amount of 10% from each application for payment will be withheld until final acceptance of the project by the Board. This amount may cover possible unsatisfactory performance or other damages.

Invoices shall be submitted in duplicate and in the same format as the proposal form or purchase order.

Invoices and packing slips must contain the following information:

- Bid Number
- Purchase Order Number
- Item Number (if applicable)
- Quantity (if applicable)
- Brief Description of Item or Work Performed
- Unit Price Bid/Partial Payment Amount
- Extended Total for Each Item
- Grand Total
- Public School Construction Number (PSC) (if applicable)

29. TERMINATION FOR DEFAULT

When the vendor has not performed or has unsatisfactorily performed the contract, payment shall be withheld at the discretion of the LEA. The LEA may, by written notice of default to the Contractor, terminate the whole or any part of the contract in any of the following circumstances:

- A. If the Contractor fails to perform the services or provide the products within the time and manner specific herein or any extension thereof, or:
- B. If the Contractor fails to perform any of the provisions of this contract, or fails to make progress as to endanger performance of this contract, in accordance with its terms and in either of these two circumstances does not cure such failure within a period of ten calendar days (or longer as authorized by the purchasing manager) after receipt of written notice from the Purchasing Manager of such failure, or:
- C. If the Contractor willfully attempts to perform the services other than specified as to coverage, limits, protections, and quality or otherwise, without specified authorization in the form of contract amendment, or:
- D. If a determination is made by LEA that the obtaining of the contract was influenced by an employee of LEA having received a gratuity, or a promise therefore, in any way or form.

In the event the LEA terminates the contract is whole or in part, LEA may procure such products and services, and in such manner as the Purchasing Manager deems appropriate, products and services similar to those so terminated, and the Contractor shall be liable to LEA for any excess cost for such similar services provided that the Contractor shall continue the performance of the contract to the extent not terminated.

If, after notice of termination of this contract under provisions of this clause, it is determined for any reason that the Contractor was not in default under the provisions of this clause, or that the default was excusable under the provisions of this clause, the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to a termination for convenience.

30. TERMINATION FOR CONVENIENCE

The contract may be terminated by LEA in accordance with this clause in whole, or from time to time in part, whenever LEA shall determine that such termination is in the best interest of LEA. Written notice shall be given at least 60 days in advance. LEA will pay for all services in accordance with contract pricing up to the date of the termination. However, the Contractor shall not be reimbursed for any anticipatory profits that have not been earned up to the date of termination.

31. HOLD HARMLESS

It is understood that firms providing quotes for this project shall defend and hold harmless the Board and its representatives from all suits, actions, or claims of any kind brought about as a result of any injuries or damages sustained by person(s) or property during the performance of this contract.

32. PUBLIC INFORMATION ACT NOTICE

Bidders should give specific attention to the identification of those portions of their bids, which they deem to be confidential, or to contain proprietary information or trade secrets. Bidders should provide justification why such material, upon request, should not be disclosed by the School System under the Maryland Public Information Act, State Government Article, Section 10-611 through 628, Annotated Code of Maryland.

33. CONTRACT DISPUTE

Any dispute resulting from a question or fact arising under this contract shall be decided by the Contract Administrator and the Purchasing Manager who will reduce their decision to writing and furnish a copy thereof to the Contractor. This decision shall be final and conclusive unless within 30 days the Contractor furnishes to the Contract Administrator and Purchasing Manager a written appeal addressed to the Board. The local Board has the right to hear appeals as provided by Maryland law.

The Board or duly authorized representative will review the appeal for the determination of such appeal and their finding shall be final and conclusive. Exceptions are decisions determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary, or so grossly erroneous as to imply bad faith, or not supported by evidence. In connection with any appeal preceding under this clause the Contractor will be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute, the Contractor shall proceed diligently with the performance of the contract and in strict accordance with the LEA staff's decision.

This clause does not preclude consideration of laws questioned in connection with the decision provided for above.

40. TECHNOLOGY-BASED INSTRUCTIONAL PRODUCTS

All technology-based instructional products must meet technical standards for accessibility established in federal Section 508 of the Rehabilitation Act.

41. FORCE MAJEURE

Force Majeure is defined as an occurrence beyond the control of the affected party and not avoidable by reason of diligence. It includes the acts of nature, war, riots, strikes, fire, floods, epidemics, or other similar occurrences. If either party is delayed by force majeure, said party shall provide written notification to the other within 48 hours. Delays shall cease as soon as practicable and written notification of same provided. The time of contract completion may be extended by contract modification, for a period of time equal to that delay caused under this condition. FCPS may also consider requests for price increase for raw materials that are directly attributable to the cause of delay. FCPS reserves the right to cancel the contract and/or purchase materials, equipment or services from the best available source during the time of force majeure, and Contractor shall have no recourse against FCPS. Further, except for payment of sums due, neither party shall be liable to the other or deemed in default under this contract, if and to the extent that such party's performance of this contract is prevented by reason of force majeure as defined herein.

42. ASSIGNMENT

The Award Bidder shall not assign or transfer the Award Bidder's interest or obligation under this Agreement to any third party, without the prior written consent of the Board. Nothing herein shall be construed to create any personal or individual liability upon any employee, officer, elected official of the Board, nor shall this Agreement be construed to create any rights hereunder in any person or entity other than the parties to this Agreement.

43. GOVERNING LAW AND VENUE

The bid shall be construed in accordance with, and interpreted under, the laws of the State of Maryland. Any lawsuits arising out of such bid shall be filed in the appropriate State Court located in Baltimore County, Maryland.

B. SPECIAL NOTICES

1. MULTI-AGENCY PARTICIPATION

The Lead Agency reserves the right to extend the terms and conditions of this solicitation to any and all other agencies within the state of Maryland, as well as, any other federal, state, municipal, county, or local governmental agency under the jurisdiction of the United States and its territories. This shall include but not limited to private schools, parochial schools, non-public schools such as charter schools, special districts, intermediate units, non-profit agencies providing services on behalf of government, and/or state, community and/or private colleges/universities that require these goods, commodities and/or services. This is conditioned upon mutual agreement of all parties pursuant to special requirements, which may be appended thereto. The supplier/contractor agrees to notify the issuing body of those entities that wish to use any contract resulting from this bid and will also provide usage information, which may be requested. A copy of the contract pricing and the bid requirements incorporated in this contract will be supplied to requesting agencies.

Each participating jurisdiction or agency shall enter into its own contract with the Award Bidder(s) and this contract shall be binding only upon the principals signing such an agreement. Invoices shall be submitted in duplicate "directly" to the ordering jurisdiction for each unit purchased. Disputes over the execution of any contract shall be the responsibility of the participating jurisdiction or agency that entered into that contract. Disputes must be resolved solely between the participating agency and the Award Bidder. The Lead Agency does not assume any responsibility other than to obtain pricing for the specifications provided.

Additionally, it is highly recommended by all participating LEA's that the contract pricing be extended to any independent contractor servicing any public entities within the state of Maryland.

2. AVAILABILITY OF BID TABULATIONS/BID AWARD

Final award and a copy of the bid tabulation will be posted on the Lead Agency website after BOE approval.

3. SUBMISSION OF BID PROPOSAL

The following items must be included in a bid submission:

1. Proposal pages completely and accurately filled out and signed.
2. "Minority Business Enterprise" form completed and signed.
3. "Statutory Affidavit and Non-Collusion Certification" form completed and signed.

4. CONTRACT ADMINISTRATION

- a. The contract will be administered by Ms. Kim Miskell, Assistant Purchasing Manager. Please refer all technical questions regarding these specifications to Ms. Miskell in writing by email to kim.miskell@fcps.org.
- b. Additional duties and responsibilities of the contract administrator are defined in Purchasing Regulation #200-7.

5. SCOPE

The intent of this solicitation is to establish a contract for the purchase and delivery of school buses in accordance with the attached terms, specifications and general conditions.

6. CONTRACT TERMS

This contract will be effective from the date of award through September 30, 2018. The Lead Agency retains the right and option to renew the contract for five additional one-year terms. Renewal of the contract is at the sole discretion of the school system and is not automatic. The dates established in the bid for ordering and delivery will revert to the closest business day one day forward if the specified date is a holiday or weekend during the renewal year.

7. BID SUBMISSION

- a. One original of the Proposal Forms, including Signature Page and Addenda Page, must be submitted directly to the Purchasing Department no later than 2:00 P.M. on Thursday, November 14, 2013.
- b. Prices shall not include state or federal excise tax. A tax exemption certificate can be furnished to bidder upon request. The chassis contractor(s) shall pay title registration fees. Vehicles shall be delivered with temporary license plates. Title applications, odometer statements, and other applicable MVA forms will be provided to the Director of Transportation, or his representative, who will sign the forms. The contractor will make application for title and tags and pay any/all associated fees.
- c. Any deviations between the Board of Education specifications and the bus being bid must be noted on a separate sheet. Failure to comply with this requirement may result in disqualification of the bid.
- d. Bidders are to state production year, make and model number of the unit they are offering.
- e. The chassis makes are as follows: International, Freightliner, Blue Bird and any other make that meets specifications.

8. SCHEDULE

- a. The completed units are to be delivered to each participating agency in accordance with the terms defined in their contract.

9. PRICING

- a. All prices shall remain firm through the first year (12 months) from date of award.
 - b. Orders will be placed individually by each participating LEA between December 1 and February 1. Pricing will be used from the column that reflects the total bulk quantity purchased between the specified dates and the purchase order pricing adjusted accordingly.
 - c. The Lead Agency expects all vendors to provide year over year cost reductions recommendations.
 - d. Price decreases are acceptable at any time, need not be verifiable, and are required should the contractor/producer/processor/manufacture experience a decrease in costs associated with the execution of the contract.
 - e. Price adjustments from the contractor/producer/processor/manufacture for any/all items may be considered at the contract anniversary date. The request is subject to approval by the Contracting Officer. The request must be submitted in writing at least sixty (60) prior to the contract anniversary date and shall be accompanied by supporting documentation.
1. Award Bidder(s) will have sixty (60) days from the contract anniversary date to submit a request for a Consumer Price Index (CPI) adjustment which may be applied to the unit pricing. For calculating the CPI adjustment, the Office of Purchasing shall follow the instructions below:
 - 1.1 Access the U.S. Bureau of Labor Statistics website at the following internet address:
<http://www.bls.gov/cpi/home.htm>
 - 1.2 Select "Get Detailed CPI Statistics", then select "Most Requested Statistics" for "Consumer Price Index-All Urban Consumers (Current Series)".
 - 1.3 Select from list "U.S. All items, 1982-84=100 - CUUR0000SA0". Select "Retrieve data".
 - 1.4 Select "More Formatting Options". Select "12 Months Percent Change". Click "Retrieve Data"
 - 1.5 Use the chart: 12 Months Percent Change, Series Id: CUUR0000SA0, Not Seasonally Adjusted, Area: U.S. city average, Item: All items, Base Period: 1982-84=100
 - 1.6 Adjustment shall be based on the average of the 12 months percentage change published by the U.S. Bureau of Labor Statistics at the time of request. For example, an adjustment request is submitted by Award Bidder to the Lead Agency on December 10, 2007. The contract anniversary date is January 1. The U.S. Bureau of Labor Statistics has published data up to October 2007. Price adjustment would be based on the average from November 2006 to October 2007. This calculation shall include monthly U.S. Bureau of Labor Statistics data labeled as "Preliminary".
 2. The CPI adjustment is NOT automatic. The Lead Agency reserves the right to accept or reject the adjustment request within sixty (60) days of receipt of request.
 - 2.1 If the request is rejected, the contract for that item shall be terminated thirty (30) days from the date of the Lead Agency rejection letter.
 - 2.2 If adjustment request is rejected, the Lead Agency reserves the right to purchase services and/or goods from the next most favorable responsive and responsible bidder, as the requested adjustment may change the award position. If the next most favorable responsive and responsible bidder(s) does not have service available within the requested timeframe, Lead Agency reserves the right to purchase from any source.
 - 2.3 Award Bidder whose price adjustment has been rejected by Lead Agency shall be granted the right of first refusal, and shall be given an opportunity to match the item pricing of next most favorably ranked responsive and responsible bidder within ten (10) days of receipt of Lead Agency rejection notification.
 3. The Lead Agency reserves the right to decrease rate, if such downward adjustment is reflected within CPI data.
- f. Should the awarded vendor, at any time during the life of the contract, sell materials of similar quality to another customer, or advertise special discounts or sales, at a price below those quoted within the contract, the lowest discounted prices shall be offered to the Lead Agency and all participating entities.

10. LIQUIDATED DAMAGES

- a. Liquidated damages will be assessed at a rate of one hundred fifty dollars (\$150.00) per bus per day for each day delinquent. If any part of the bus chassis or body is not completely ready for service at the indicated time, this will be grounds for invoking the liquidated damages.
- b. The dates referenced above are established to ensure that the contractor has placed orders in a timely fashion. The responsibility for scheduling and coordinating the timely delivery rests solely with the contractor. Any hardship or difficulty encountered during the production cycle must be brought to the attention of the contract administrator in a timely manner.
- e. The LEA reserves the right to withhold the liquidated damages from final payment.

11. PAYMENT

- a. Net 30 days upon receipt, inspection and acceptance.

12. GENERAL CONDITIONS

- a. Bid Bond and payment bonds are not required. A performance bond in 100% of the contract price is required from the successful vendors.
- b. Should the successful bidder's manufacturer or supplier's plant personnel still be on strike ten (10) days after the bid opening, a recommendation for award may be given to the next apparent low bidder most nearly meeting specifications.

13. AWARD

Award will be made to a minimum of one (1) vendor and all LEA's requirements will be considered in the evaluation process.

13. EMARYLANDMARKETPLACE REGISTRATION

Contractors are required to register with www.eMarylandMarketplace.org within five (5) days following notice of award. Maryland law requires local and state agencies to post award notices on eMaryland Marketplace. This cannot be done without the contractor's self-registration in the system. Registration is free. Failure to comply with this requirement may be considered grounds for default. It is recommended that any interested bidder register with eMaryland Marketplace regardless of the award outcome for this procurement as it is a valuable

Section B

Bus Specifications

48 Passenger Bus Specifications

BASIC MINIMUM SPECIFICATIONS - BUS CHASSIS
FOR 48 PASSENGER SCHOOL BUS - TYPE C

The design of school bus bodies is to provide for the safety of pupil and for long range, maintenance free factors as required by Transportation Code.....

Air Cleaner

- 1.1.1 Engine shall be equipped with a dry-element type air cleaner.
- 1.1.2 Air cleaner restriction indicator gauge must be included.
- 1.1.3 Mounted outside passenger compartment with proper ducting to provide adequate engine aspiration.
- 1.1.4 Location of air intake and air cleaner shall be readily accessible for servicing.

Alternator

- 1.2.1 Shall be sufficient output to meet the electrical demand of the vehicle.
- 1.2.2 Minimum rated capacity: 200 amperes.
- 1.2.3 Minimum rated capacity for buses equipped with air conditioning and/or wheelchair lifts: 270 amperes.
- 1.2.4 Heavy duty 12-volt type.
- 1.2.5 Acceptable brands: Leece Neville.

Axles

- 1.3 Conventional: Front – 10,000 (minimum) (Differential ratio shall allow a cruising speed of 70 mph)
 Rear – 21,000 (minimum)

Battery

- 1.4.1 Chassis must be equipped with a minimum of three BCI Group 31 twelve (12) volt maintenance free batteries with a total of no less than 1000 CCA each (measured @ 0°F).
- 1.4.2 Batteries shall be mounted outside of engine compartment. Batteries shall be mounted on a slide out heavy duty tray in a skirt mounted battery box with stainless steel roller bearings and stop whereby batteries may be exposed to outside for convenient servicing.
- 1.4.3 Battery compartment door or cover shall be secured by an adequate and conveniently operated latch. No lock on door.
- 1.4.4 Ground cable shall be mounted to a permanent part of chassis frame.
- 1.4.5 One-piece battery cables of sufficient length to reach outside battery compartment when slide-out tray is fully extended shall be provided.
- 1.4.6 All cables passing through the metal battery box shall be protected by non-conductive rubber grommets to prevent chaffing.
- 1.4.7 A 150 AMP main circuit breaker with disconnects shall be provided in the engine compartment.

Brake, Parking - Hydraulic

- 1.5.1 Shall be driveline type with dash mounted control (Orscheln type not acceptable) or foot applied control to apply and release the parking brake. Warning light must be provided to alert the driver when the parking brake is engaged.

Brakes - Hydraulic

- 1.6.1 Power assist will be used.
- 1.6.2 Split power or full power hydraulic system with front and rear disc; 4-wheel anti-lock brake system.
- 1.6.3 Service brake master cylinder must be located inside engine compartment with easy access for checking fluid level.
- 1.6.4 All metal brake lines must be stainless steel or an approved corrosion resistant equivalent substitute.

Bumper, Front

- 1.7.1 Refer to COMAR.

Cooling System

- 1.8.1 Provide an automatic fan clutch and fan. Shall be of adequate capacity to cool engine at any outside temperature.
- 1.8.2 A heavy duty radiator shall be installed. Cooling system overflow recovery system shall be provided.
- 1.8.3 Cooling system shall be protected to -20° with permanent type anti-freeze.
- 1.8.4 Provide easy access to coolant filler cap for easy fill with typical water/coolant bucket
- 1.8.5 Constant torque hose clamps in engine compartment.
- 1.8.6 Drain cocks must be installed in radiator.

Drive Shaft Guards and Shields

- 1.9.1 Refer to COMAR.

Electrical (Chassis Wiring)

- 1.10.1 The chassis wiring system shall be of sufficient capacity to meet the electrical demand of the vehicle.
- 1.10.2 Voltmeter is required and shall have a capacity of no more than 18 volts.
- 1.10.3 Circuit breakers of 150 amperes minimum shall be installed between battery and body harness.

- 1.10.4 All wiring must be color coded and numbered at 4-inch intervals and a diagram of the circuits shall be attached to the body in a readily accessible location. (Addressed in body specs)
- 1.10.5 A complete wiring schematic diagram must be provided.
- 1.10.6 All wires shall be in wire loom.

Engine

- 1.11.1 Diesel, six cylinder in-line engine minimum of 220 HP with the capability of recalibrating to a higher HP.

Exhaust System

- 1.12.1 Exhaust pipe system must not interfere with optional storage compartment installation.
- 1.12.2 Tail pipe must be installed to exhaust from the left side (road side) under the bumper.

Frame Side Members

- 1.13.1 Refer to COMAR.

Fenders

- 1.14.1 Non-logo mud flaps shall be provided behind each wheel and extend down approximately 9" from the ground.
- 1.14.2 Fenders must extend beyond tire or be protected by a fender extension.

Fuel System

1.15.1 Tank

- 1.15.1.1 The fuel tank shall have a minimum capacity of 60 gallons and be on the right hand side of the chassis rail or between frame rails.
- 1.15.1.2 A fuel tank sender plate shall be provided to allow access for fuel gauge sending unit replacement.

1.15.2 Filters/Heater

- 1.15.2.1 Provide combination electric fuel heater, water separator and fuel filter. A heater working in conjunction with coolant system will not be acceptable.
- 1.15.2.2 Must be located in an easily accessible location for service.
- 1.15.2.3 Provide manual priming capability.

1.15.3 Fuel Filler Cap

- 1.15.3.1 Fuel filler cap must be attached to the fuel filler neck with a chain.

Hood

- 1.16.1 Conventional hood shall be fiberglass full tilt type.

Ignition

- 1.17.1 All ignition switches shall be master-keyed alike. LEA shall furnish their standard key code.
- 1.17.2 Manufacturer shall provide (5) sets of ignition keys per bus.

Instrument Panel

- 1.18.1 The bus shall be equipped with the following non-glare, illuminated gauges, warning lights and alarms mounted for easy maintenance and repair and in such a manner that each is clearly visible to seated operator:

Gauges

- | | |
|----------------------------|--|
| 1. Speedometer | 7. Transmission temperature gauge |
| 2. Fuel gauge | 8. Tachometer |
| 3. Oil pressure gauge | 9. Air pressure gauge (if so equipped) |
| 4. Water temperature gauge | 10. Hour-meter |
| 5. Voltmeter | 11. Diesel Exhaust Fuel Gauge (DEF) |
| 6. Odometer | |

Warning Lights, Switches and Alarms

- | | |
|---|--|
| 1. High water temperature warning light and buzzer. | 7. Wait to Start Light |
| 2. Low oil pressure warning light and buzzer. | 8. Upper beam headlight indicator |
| 3. Self-canceling directional signals. | 9. Turn signal indicator light |
| 4. Low air pressure warning light and buzzer | 10. Low coolant indicator light and buzzer |
| 5. Emergency escape audible alarm. | |
| 6. Warning light or buzzer for automatic transmission fluid temperature | |

- 1.18.2 Instrument panel shall be non-reflective in color.

Openings

- 1.19.1 All openings in floorboard or firewall between chassis and passenger – carrying compartment, such as for hoses, brake pedals, accelerator pedal, gear-shift lever and auxiliary brake lever, shall be properly sealed or grommeted.

Shock Absorbers

- 1.20.1 Two (2) front and two (2) rear heavy-duty, double acting shock absorbers of sufficient capacity to meet GVW requirement shall be provided.

Springs

- 1.21.1 Rated capacity of spring shall not exceed rating of respective axle.
- 1.21.2 Heavy duty single stage multi-leaf front and rear variable rate suspension to meet GVW and axle ratings.
- 1.21.3 All shackle and spring hanging bolts/pins shall have grease able fittings or euro-bushings.

Steering

- 1.22.1 Power steering unit shall be installed by chassis manufacturer.
- 1.22.2 Pump reservoir shall be readily accessible for service and checking fluid level.

Steering Wheel

- 1.23.1 Will be equipped with a tilting mechanism to allow drivers to adjust the steering wheel position.

Tires/Wheels

- 1.24.1 Tires shall be 1100R 22.5, tier one brand and tread design for buses without wheelchair lifts.
- 1.24.3 Wheels shall be ten hole hub-piloted type, painted black.

Transmission, Automatic

- 1.25.1 Allison (PTS 2500), or equal, automatic – 5 speed, oil cooler and lines to meet engine and transmission manufacturer's specifications for maximum cooling.
- 1.25.2 Transmission shall have gear shift button/selector mounted on the dash. Floor mounted not acceptable.
- 1.25.3 Transmission shall be filled with Transynd synthetic fluid from Allison. Permanent label identifying "Transynd" synthetic fluid only, near fill tube.
- 1.25.4 Transmission warranty shall be a five (5) year unlimited mileage OEM warranty.

Noise Reduction Package

- 1.26.1 Acoustic headliner shall be installed throughout the entire passenger compartment
- 1.26.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.26.3 Omit step-well reduction package

BASIC MINIMUM SPECIFICATIONS – BUS BODY
FOR 48 PASSENGER SCHOOL BUS - TYPE C

Minimum specifications shall include all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Code of Maryland Regulations (COMAR) for school buses in effect at the time of this bid. In addition, the bus(es) must meet the minimum bid specifications provided in this document.

Aisle

- 1.27.1 One two inch (2") white rubber aisle strip shall be installed between the two front barriers and one two inch (2") white rubber aisle strip 27" forward of the emergency door.
- 1.27.2 No seat or other object shall be so placed in bus as to restrict any part of passageway 24" forward of emergency door

Backup Alarm

- 1.28.1 Backup alarm (audible): Minimum 97 decibels, mounted on frame behind rear axle, and activate automatically when transmission is in reverse position

Body

- 1.29.1 Provide a diagram at time of bid submission depicting dimensions of the bus, to include seat spacing.
- 1.29.2 Body side skirt shall extend to the approximate centerline of the axles.
- 1.29.3 The body side panels from under the windows to the bottom of the skirt must be 16 gauge.
- 1.29.4 Interior headroom shall be no less than 77".

Bumper Rear

- 1.30.1 Refer to COMAR.

Construction

- 1.31.1 Full length acoustical ceiling with insulation.
- 1.31.2 Roof Vent/Emergency Exit – Two (2) low profile with audible alarm
- 1.31.3 External construction shall be of rust-resistant, zinc-coated, prime commercial zinc cold-rolled quality steel. All such construction materials shall be fire-resistant.
- 1.31.4 Body hold down clamps – positive clamp – not spring type.

Doors

Service Door

- 1.32.1.1 If the bus is furnished with an air compressor, air operated door shall be an option provided at no extra charge at the customers discretion.
- 1.32.1.2 If the bus is not furnished with an air compressor, an electric or manual door shall be provided as an option if available at no charge at the customer's discretion.
- 1.32.1.3 Door control mechanism shall be located overhead of door and concealed behind a removable panel.
- 1.32.1.4 Shall be outward type door only.
- 1.32.1.5 Service door shall have a minimum horizontal opening of 24 inches and minimum vertical opening of 68 inches.
- 1.32.1.6 Manually operated, service door shall be equipped with heavy duty chrome or powder coated door control and rod.

Emergency Door and Exits

- 1.32.2.1 Must comply to COMAR and Federal Motor Vehicle safety standards 217 regulations.
- 1.32.2.2 Metal sill to protect floor at emergency door entrance

Electrical

- 1.33.1 Access Covers – Main body wiring harness must be easily accessible by removing molded covers over sash and the vertical post at the rear of the driver's window.
- 1.33.2 All electrical circuits are to be color coded wire and protected by circuit breakers. Circuit breakers shall be easily accessible with no screw or bolt removal necessary to reach them and shall be plainly marked designating the circuit to which each applies.

Emergency Equipment

- 1.34.1 Provide all safety equipment required by FMVSS and COMAR. The location of emergency equipment will be determined by the jurisdiction (during review of the pilot model bus.) Emergency equipment items are not to be mounted prior to that time.

Floor Covering

- 1.35.1 Floor covering, seating and other interior accessory colors must match/color coordinate.
- 1.35.2 The floor covering shall be one continuous piece from front to rear. **Splicing is unacceptable.**
- 1.35.3 Metal cover molding shall be installed along side wall and rear body wall.
- 1.35.4 Aisle joint molding shall be constructed of aluminum and installed over all seams where aisle covering meets floor covering.
- 1.35.5 Sub-flooring shall be of 5/8" marine grade plywood.
- 1.35.6 Aisle – 3/16" ribbed rubber
- 1.35.7 Under seat – 1/8" smooth rubber under seats, wheel wells and in driver's area.

Handrails (Grab Rail)

- 1.36.1 Handrails shall be installed on both sides of the front entrance going up the steps of the bus.
- 1.36.2 Handrails shall be stainless steel.
- 1.36.3 Must meet current standards for draw strings.

Heater-Defroster

- 1.37.1 Each bus shall be equipped with three independently controlled hot water heaters, which shall be fresh air or combination fresh air re-circulating type. Air filters mounted for ease of servicing shall be installed.
- 1.37.2 Front – 140,000 BTU (minimum 50,000 BTU on right) heater to include full width windshield defroster.
- 1.37.3 Rear – 70,000 BTU rear heater behind the rear wheel well on the left side mounted under seat.
- 1.37.4 Two six inch (6") minimum heavy duty defroster fans shall be installed - (1) mounted near the center of the windshield and (1) mounted over the driver's left side window.
- 1.37.5 Two (2) brass shut-off valves lever type with 90 degree rotation of the handle shall be supplied in the engine compartment to restrict heater operation.
- 1.37.6 A shut off valve shall be accessible by the driver from their seat. An electronically controlled shut-off valve is acceptable.

Identification– Lettering (Block Style)

- 1.38.1 Lettering shall meet National, State and Local requirements as to type, size, color, locations and wording
 - 1.38.1.1 A two (2) inch number is to be placed above the right hand windshield and on the rear bulk head on the interior of the bus. An identification number will be placed on the exterior roof of the bus per COMAR.
 - 1.38.1.2 No lettering on rivets or seams.
 - 1.38.1.3 No logo on mud flaps.
 - 1.38.1.4 Number on the front bumper shall be yellow.
 - 1.38.1.5 No passengers forward of white line while bus is in motion shall be placed on the head wall above the windshield. The size of this decal is to be no larger than 6" x 9".

Lights

LED Lamps to be Truck-Lite and/or Sound-Off Brand as determined by LEA at no extra cost. Full factory warranty. Meet Federal and COMAR standards.

1.39.1 Interior:

- 1.39.1.1 Minimum eight (8) LED interior lamps.
- 1.39.1.2 One (1) LED lamp in step-well area.
- 1.39.1.3 One (1) LED dome lamp in driver's area, with separate switch.
- 1.39.1.4 One (1) LED above rear emergency exit door.

1.39.2 Exterior:

- 1.39.2.1 Two (2) LED 7 inch combination tail and stop lights.
- 1.39.2.2 Two (2) LED 4 inch combination tail and stop lights.
- 1.39.2.3 One (1) LED license plate light, mounted on left rear side.
- 1.39.2.4 Two (2) LED 7 inch clear backup lights.
- 1.39.2.5 Two (2) LED 7 inch amber rear directional signals.
- 1.39.2.6 Four (4) armored side directional marker lights, mounted at seat level rub rail; amber (front) and red (rear). Front, rear, and side roof LED clearance lights.
- 1.39.2.7 One (1) 4 inch clear, flush-mounted LED light, mounted externally on the right side of the bus, just behind the rear edge of the entrance door and below the level of the fuel filler door. To illuminate the ground in the area of the entrance door. Wired to operate with the interior step-well light. Mounted in an integrated, waterproof mounting flange.

1.39.3 LED school warning lights and audible backup alarm:

- 1.39.3.1 School warning lights: To be LED, red and amber, 7 inch diameter with visors (visors not required on Thomas C2 per MVA). As follows:
 - 1.39.3.2 Must have two-mode capability (steady burn; strobing flash @ 10.4 flashes per second). Mode to be determined by LEA.
 - 1.39.3.3 School warning lights: To be activated by separate control panel or dash-mounted (to right side of driver), and include a momentary activation switch, red and amber pilot lights, master switch, and override switch for red light activation only (per COMAR).
 - 1.39.3.4 Override switch shall operate with master switch in on or off position.
 - 1.39.3.5 Warning light flasher: Weldon 7000 Sound-Off, or operated through body control microprocessor.

Mirrors

1.40.1 Exterior

- 1.40.1.1 Exterior side view remote adjustable west coast mirrors are required. Right side mirror must be visible through front windshield while operator is in normal seated position.
- 1.40.1.2 All exterior mirrors shall be electrically heated with 15-20 minute timer.
- 1.40.1.3 Cross over mirrors (quadrispherical type) shall be mounted on the left and right front fender (meets FMVSS-111).
- 1.40.1.4 All exterior fasteners to be of stainless steel.
- 1.40.1.5 Weather proof grommets shall be used to seal electrically heated mirror wire harness of bus body. Silicone sealant is not acceptable. Weather proof electrical wire terminal disconnects shall be placed within 12-inches of mirror heads.
- 1.40.1.6 All heated mirrors will operate off of one switch with a pilot light to indicate when the heating elements are turned on.

Noise Reduction Package

- 1.41.1 Acoustic headliner shall be installed throughout the entire passenger compartment
- 1.41.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.41.3 Omit step-well reduction package

Paint/Color

- 1.42.1 Roof shall be white.
- 1.42.2 Interior – Standard color panels

First Piece Inspection

- 1.43.1 A completed bus is to be made available for inspection by for two (2) LEA representatives at the factory with all expenses (including air when excess of 200 miles) borne by the vendor. First piece inspection approval will be given prior to the completion of the production run.

Radio/PA System

- 1.44.1 AM/FM/CD radio with PA system, flush-mounted, with four (4) channels, rated at 30 Watts minimum per channel.
- 1.44.2 Integral digital clock.
- 1.44.3 Minimum six (6) speakers, flush mounted in roof, evenly spaced throughout bus interior.
- 1.44.4 Speakers must be compatible with output of radio and PA system.
- 1.44.5 The first speaker shall be mounted as close to the driver as possible in the area of the first passenger seat (right or left side), but not forward of the crash barrier.
- 1.44.6 Integral PA system with microphone. Microphone to be equipped with volume control.
- 1.44.7 Location of microphone holder to be determined at time of pilot bus inspection.
- 1.44.8 PA system to operate through all 6 speakers.
- 1.44.9 Radio play to be automatically interrupted when microphone is activated.

Rub Rail

- 1.45.1 Snow rail shall be installed full length (at the bottom) of body skirt.

Seats & Interior

- 1.46.1 Fire-block upholstery. Fabric shall be **Black, Green, Brown or Blue** – as specified by LEA
- 1.46.2 Driver's seat:
 - 1.46.2.1 High back, suspension
 - 1.46.2.2 Three-point combination lap/shoulder belt (orange color), with height-adjustable shoulder belt (minimum 16 inch vertical adjustment).
 - 1.46.2.3 Right-side fold down arm rest (left side not required).
 - 1.46.2.4 Lumbar support required.
 - 1.46.2.5 Knee action seat prohibited
- 1.46.3 Rear most seats shall be 30" wide. Standard 3-3 seating with 39" seat width to be used in the remainder of the bus. A floor plan must be provided and approved prior to ordering.
- 1.46.4 A document holder with approximate dimensions of 12" x 18" x 3" (sufficient to hold a 3" binder) with Velcro secured top flap shall be incorporated into the front of the driver's side modesty panel (barrier). The barrier cover and the document holder shall be constructed of fire block material.

Steps

- 1.47.1 There shall be one stirrup step and a suitably located handle on each side of the front body for accessibility for cleaning windshield and lamps.
- 1.47.2 3-Step (or 4-Step) entrance shall be provided.
- 1.47.3 Three step (or Four step) entrance covered with black slip resistant pebble tread rubber with white nosing.
- 1.47.4 Step-wells shall be constructed of rust resistant material.

Storage Compartment

- 1.48.1 A metal/plastic storage compartment approximately 28”L x 7”D x 12”H located above the driver’s sash window at the ceiling is to be provided. An access door that secures with a latch (no key locks) is required. The size of the compartment that the vendor can provide must be identified at the time of the bid submission. The protrusions of screws or long bolts into the compartment, or the routing of loose electrical wiring inside the compartment, thus making the compartment unusable for storage must be eliminated.

Stop Arm

- 1.49.1 Electric operated octagon-shaped, with strobing LED lights visible front and rear, shall be activated in conjunction with flashing warning light switch.
- 1.49.2 Fasteners must be stainless steel.

Undercoating

- 1.50.1 Complete underbody including wheel wells and fuel tank shall be fully undercoated.

Windshield Wipers

- 1.51.1 (2) Bottom mounted electrically operated motors. Parallelogram type arms. Variable speed. Heavy duty wiper blades. Provide hi/low/intermittent wiper controls.

Windshield and Windows

- 1.52.1 Driver sliding sash assembly shall be supplied.
- 1.52.2 The upper portion of the windshield is to be tinted to the maximum allowable percentage under Maryland law.
- 1.52.3 There shall be a minimum of (4) vertically hinged side push out windows (two (2) on each side).

48 Passenger Bus With Flat Floor, Wheelchair Lift and Air Conditioning Type C - Specifications

BASIC MINIMUM SPECIFICATIONS - BUS CHASSIS
48 PASSENGER SCHOOL BUS WITH FLAT FLOOR, WHEELCHAIR LIFT AND AIR CONDITIONING - TYPE C

The design of school bus bodies is to provide for the safety of pupil and for long range, maintenance free factors as required by Transportation Code.....

Air Cleaner

- 1.1.1 Engine shall be equipped with a dry-element type air cleaner.
- 1.1.2 Air cleaner restriction indicator gauge must be included.
- 1.1.3 Mounted outside passenger compartment with proper ducting to provide adequate engine aspiration.
- 1.1.4 Location of air intake and air cleaner shall be readily accessible for servicing.

Alternator

- 1.2.1 Shall be sufficient output to meet the electrical demand of the vehicle.
- 1.2.2 Minimum rated capacity: 200 amperes.
- 1.2.3 Minimum rated capacity for buses equipped with air conditioning and/or wheelchair lifts: 270 amperes.
- 1.2.4 Heavy duty 12-volt type.
- 1.2.5 Acceptable brands: Leece Neville.

Axles

- 1.3 Conventional: Front – 8,000 (minimum)
 Rear – 17,500 (minimum)

Battery

- 1.4.1 Chassis must be equipped with a minimum of three BCI Group 31 twelve (12) volt maintenance free batteries with a total of no less than 1000 CCA each (measured @ 0°F).
- 1.4.2 Batteries shall be mounted outside of engine compartment. Batteries shall be mounted on a slide out heavy duty tray in a skirt mounted battery box with stainless steel roller bearings and stop whereby batteries may be exposed to outside for convenient servicing.
- 1.4.3 Battery compartment door or cover shall be secured by an adequate and conveniently operated latch. No lock on door.
- 1.4.4 Ground cable shall be mounted to a permanent part of chassis frame.
- 1.4.5 One-piece battery cables of sufficient length to reach outside battery compartment when slide-out tray is fully extended shall be provided.
- 1.4.6 All cables passing through the metal battery box shall be protected by non-conductive rubber grommets to prevent chaffing.
- 1.4.7 A 150 AMP main circuit breaker with disconnects shall be provided in the engine compartment.

Brake, Parking - Hydraulic

- 1.5.1 Shall be driveline type with dash mounted control (Orscheln type not acceptable) or foot applied control to apply and release the parking brake. Warning light must be provided to alert the driver when the parking brake is engaged.

Brakes - Hydraulic

- 1.6.1 Power assist will be used.
- 1.6.2 Split power or full power hydraulic system with front and rear disc; 4-wheel anti-lock brake system.
- 1.6.3 Service brake master cylinder must be located inside engine compartment with easy access for checking fluid level.
- 1.6.4 All metal brake lines must be stainless steel or an approved corrosion resistant equivalent substitute.

Bumper, Front

- 1.7.1 Refer to COMAR.

Cooling System

- 1.8.1 Provide an automatic fan clutch and fan. Shall be of adequate capacity to cool engine at any outside temperature.
- 1.8.2 A heavy duty radiator shall be installed. Cooling system overflow recovery system shall be provided.
- 1.8.3 Cooling system shall be protected to -20° with permanent type anti-freeze.
- 1.8.4 Provide easy access to coolant filler cap for easy fill with typical water/coolant bucket
- 1.8.5 Constant torque hose clamps in engine compartment.
- 1.8.6 Drain cocks must be installed in radiator.

Drive Shaft Guards and Shields

- 1.9.1 Refer to COMAR.

Electrical (Chassis Wiring)

- 1.10.1 The chassis wiring system shall be of sufficient capacity to meet the electrical demand of the vehicle.
- 1.10.2 Voltmeter is required and shall have a capacity of no more than 18 volts.
- 1.10.3 Circuit breakers of 150 amperes minimum shall be installed between battery and body harness.

- 1.10.4 All wiring must be color coded and numbered at 4-inch intervals and a diagram of the circuits shall be attached to the body in a readily accessible location. (Addressed in body specs)
- 1.10.5 A complete wiring schematic diagram must be provided.
- 1.10.6 All wires shall be in wire loom.

Engine

- 1.11.1 Diesel, six cylinder in-line engine minimum of 220 HP with the capability of recalibrating to a higher HP.

Exhaust System

- 1.12.1 Exhaust pipe system must not interfere with optional storage compartment installation.
- 1.12.2 Tail pipe must be installed to exhaust from the left side (road side) under the bumper.

Frame Side Members

- 1.13.1 Refer to COMAR.

Fenders

- 1.14.1 Non-logo mud flaps shall be provided behind each wheel and extend down approximately 9" from the ground.
- 1.14.2 Fenders must extend beyond tire or be protected by a fender extension.

Fuel System

1.15.1 Tank

- 1.15.1.1 The fuel tank shall have a minimum capacity of 60 gallons and be on the right hand side of the chassis rail or between frame rails.
- 1.15.1.2 A fuel tank sender plate shall be provided to allow access for fuel gauge sending unit replacement.

1.15.2 Filters/Heater

- 1.15.2.1 Provide combination electric fuel heater, water separator and fuel filter. A heater working in conjunction with coolant system will not be acceptable.
- 1.15.2.2 Must be located in an easily accessible location for service.
- 1.15.2.3 Provide manual priming capability.

1.15.3 Fuel Filler Cap

- 1.15.3.1 Fuel filler cap must be attached to the fuel filler neck with a chain.

Hood

- 1.16.1 Conventional hood shall be fiberglass full tilt type.

Ignition

- 1.17.1 All ignition switches shall be master-keyed alike. LEA shall furnish their standard key code.
- 1.17.2 Manufacturer shall provide (5) sets of ignition keys per bus.

Instrument Panel

- 1.18.1 The bus shall be equipped with the following non-glare, illuminated gauges, warning lights and alarms mounted for easy maintenance and repair and in such a manner that each is clearly visible to seated operator:

Gauges

- | | |
|----------------------------|--|
| 1. Speedometer | 7. Transmission temperature gauge |
| 2. Fuel gauge | 8. Tachometer |
| 3. Oil pressure gauge | 9. Air pressure gauge (if so equipped) |
| 4. Water temperature gauge | 10. Hour-meter |
| 5. Voltmeter | 11. Diesel Exhaust Fuel Gauge (DEF) |
| 6. Odometer | |

Warning Lights, Switches and Alarms

- | | |
|---|--|
| 1. High water temperature warning light and buzzer. | 7. Wait to Start Light |
| 2. Low oil pressure warning light and buzzer. | 8. Upper beam headlight indicator |
| 3. Self-canceling directional signals. | 9. Turn signal indicator light |
| 4. Low air pressure warning light and buzzer | 10. Low coolant indicator light and buzzer |
| 5. Emergency escape audible alarm. | |
| 6. Warning light or buzzer for automatic transmission fluid temperature | |

- 1.18.2 Instrument panel shall be non-reflective in color.

Openings

1.19.1 All openings in floorboard or firewall between chassis and passenger – carrying compartment, such as for hoses, brake pedals, accelerator pedal, gear-shift lever and auxiliary brake lever, shall be properly sealed or grommeted.

Shock Absorbers

1.20.1 Two (2) front and two (2) rear heavy-duty, double acting shock absorbers of sufficient capacity to meet GVW requirement shall be provided.

Springs

1.21.1 Rated capacity of spring shall not exceed rating of respective axle.

1.21.2 Heavy duty single stage multi-leaf front and rear variable rate suspension to meet GVW and axle ratings.

1.21.3 All shackle and spring hanging bolts/pins shall have grease able fittings or euro-bushings.

1.21.4 Rear air suspension

Steering

1.22.1 Power steering unit shall be installed by chassis manufacturer.

1.22.2 Pump reservoir shall be readily accessible for service and checking fluid level.

Steering Wheel

1.23.1 Will be equipped with a tilting mechanism to allow drivers to adjust the steering wheel position.

Tires/Wheels

1.24.1 Tires shall be low profile 22.5, tier one brand and tread design for buses with wheelchair lifts.

1.24.2 Wheels shall be ten hole hub-piloted type, painted black.

Transmission, Automatic

1.25.1 Allison (PTS 2500), or equal, automatic – 5 speed, oil cooler and lines to meet engine and transmission manufacturer's specifications for maximum cooling.

1.25.2 Transmission shall have gear shift button/selector mounted on the dash. Floor mounted not acceptable.

1.25.3 Transmission shall be filled with Transynd synthetic fluid from Allison. Permanent label identifying "Transynd" synthetic fluid only, near fill tube.

1.25.4 Transmission warranty shall be a five (5) year unlimited mileage OEM warranty.

Noise Reduction Package

1.26.1 Acoustic headliner shall be installed throughout the entire passenger compartment

1.26.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.

1.26.3 Omit step-well reduction package

BASIC MINIMUM SPECIFICATIONS – BUS BODY
48 PASSENGER SCHOOL BUS WITH FLAT FLOOR, WHEELCHAIR LIFT AND AIR CONDITIONING - TYPE C

Minimum specifications shall include all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Code of Maryland Regulations (COMAR) for school buses in effect at the time of this bid. In addition, the bus(es) must meet the minimum bid specifications provided in this document.

Aisle

- 1.27.1 One two inch (2") white rubber aisle strip shall be installed between the two front barriers and one two inch (2") white rubber aisle strip 27" forward of the emergency door.
- 1.27.2 No seat or other object shall be so placed in bus as to restrict any part of passageway 24" forward of emergency door

Backup Alarm

- 1.28.1 Backup alarm (audible): Minimum 97 decibels, mounted on frame behind rear axle, and activate automatically when transmission is in reverse position

Body

- 1.29.1 Provide a diagram at time of bid submission depicting dimensions of the bus, to include seat spacing.
- 1.29.2 Body side skirt shall extend to the approximate centerline of the axles.
- 1.29.3 The body side panels from under the windows to the bottom of the skirt must be 16 gauge.
- 1.29.4 Interior headroom shall be no less than 77".

Bumper Rear

- 1.30.1 Refer to COMAR.

Construction

- 1.31.1 Full length acoustical ceiling with insulation.
- 1.31.2 Roof Vent/Emergency Exit – Two (2) low profile with audible alarm
- 1.31.3 External construction shall be of rust-resistant, zinc-coated, prime commercial zinc cold-rolled quality steel. All such construction materials shall be fire-resistant.
- 1.31.4 Body hold down clamps – positive clamp – not spring type.

Doors

Service Door

- 1.32.1.1 If the bus is furnished with an air compressor, air operated door shall be an option provided at no extra charge at the customers discretion.
- 1.32.1.2 If the bus is not furnished with an air compressor, an electric or manual door shall be provided as an option if available at no charge at the customer's discretion.
- 1.32.1.3 Door control mechanism shall be located overhead of door and concealed behind a removable panel.
- 1.32.1.4 Shall be outward type door only.
- 1.32.1.5 Service door shall have a minimum horizontal opening of 24 inches and minimum vertical opening of 68 inches.
- 1.32.1.6 Manually operated, service door shall be equipped with heavy duty chrome or powder coated door control and rod.

Emergency Door and Exits

- 1.32.2.1 Must comply to COMAR and Federal Motor Vehicle safety standards 217 regulations.
- 1.32.2.2 Metal sill to protect floor at emergency door entrance

Electrical

- 1.33.1 Access Covers – Main body wiring harness must be easily accessible by removing molded covers over sash and the vertical post at the rear of the driver's window.
- 1.33.2 All electrical circuits are to be color coded wire and protected by circuit breakers. Circuit breakers shall be easily accessible with no screw or bolt removal necessary to reach them and shall be plainly marked designating the circuit to which each applies.

Emergency Equipment

- 1.34.1 Provide all safety equipment required by FMVSS and COMAR. The location of emergency equipment will be determined by the jurisdiction (during review of the pilot model bus.) Emergency equipment items are not to be mounted prior to that time.

Floor

- 1.35.1 Bus shall have flat floor without wheel wells.
- 1.35.2 Recessed floor tracks shall be installed.
- 1.35.3 There shall be no step between the driver's area and the passenger compartment.

Floor Covering

- 1.36.1 Floor covering, seating and other interior accessory colors must match/color coordinate.
- 1.36.2 The floor covering shall be one continuous piece from front to rear. **Splicing is unacceptable.**
- 1.36.3 Metal cover molding shall be installed along side wall and rear body wall.
- 1.36.4 Aisle joint molding shall be constructed of aluminum and installed over all seams where aisle covering meets floor covering.
- 1.36.5 Sub-flooring shall be of 5/8" marine grade plywood.
- 1.36.6 Aisle – 3/16" ribbed rubber
- 1.36.7 Under seat – 1/8" smooth rubber under seats, wheel wells and in driver's area.

Handrails (Grab Rail)

- 1.37.1 Handrails shall be installed on both sides of the front entrance going up the steps of the bus.
- 1.37.2 Handrails shall be stainless steel.
- 1.37.3 Must meet current standards for draw strings.

Heater-Defroster

- 1.38.1 Each bus shall be equipped with three independently controlled hot water heaters, which shall be fresh air or combination fresh air re-circulating type. Air filters mounted for ease of servicing shall be installed.
- 1.38.2 Front – 140,000 BTU (minimum 50,000 BTU on right) heater to include full width windshield defroster.
- 1.38.3 Rear – 40,000 BTU rear (left or right) heater shall be wall-mounted or floor-mounted and will be determined by the LEA.
- 1.38.4 Two six inch (6") minimum heavy duty defroster fans shall be installed - (1) mounted near the center of the windshield and (1) mounted over the driver's left side window.
- 1.38.5 Two (2) brass shut-off valves lever type with 90 degree rotation of the handle shall be supplied in the engine compartment to restrict heater operation.
- 1.38.6 A shut off valve shall be accessible by the driver from their seat. An electronically controlled shut-off valve is acceptable.

Identification – Lettering Block Style)

- 1.39.1 Lettering shall meet National, State and Local requirements as to type, size, color, locations and wording
 - 1.39.1.1 A two (2) inch number is to be placed above the right hand windshield and on the rear bulk head on the interior of the bus. An identification number will be placed on the exterior roof of the bus per COMAR.
 - 1.39.1.2 No lettering on rivets or seams.
 - 1.39.1.3 No logo on mud flaps.
 - 1.39.1.4 Number on the front bumper shall be yellow.
 - 1.39.1.5 No passengers forward of white line while bus is in motion shall be placed on the head wall above the windshield. The size of this decal is to be no larger than 6" x 9".

Lights

LED Lamps to be Truck-Lite and/or Sound-Off Brand as determined by LEA at no extra cost. Full factory warranty. Meet Federal and COMAR standards.

1.40.1 Interior:

- 1.40.1.1 Minimum eight (8) LED interior lamps.
- 1.40.1.2 One (1) LED lamp in step-well area.
- 1.40.1.3 One (1) LED dome lamp in driver's area, with separate switch.
- 1.40.1.4 One (1) LED above rear emergency exit door.

1.40.2 Exterior:

- 1.40.2.1 Two (2) LED 7 inch combination tail and stop lights.
- 1.40.2.2 Two (2) LED 4 inch combination tail and stop lights.
- 1.40.2.3 One (1) LED license plate light, mounted on left rear side.
- 1.40.2.4 Two (2) LED 7 inch clear backup lights.
- 1.40.2.5 Two (2) LED 7 inch amber rear directional signals.
- 1.40.2.6 Four (4) armored side directional marker lights, mounted at seat level rub rail; amber (front) and red (rear).
Front, rear, and side roof LED clearance lights.
- 1.40.2.7 One (1) 4 inch clear, flush-mounted LED light, mounted externally on the right side of the bus, just behind the rear edge of the entrance door and below the level of the fuel filler door. To illuminate the ground in the area of the entrance door.
Wired to operate with the interior step-well light. Mounted in an integrated, waterproof mounting flange.

1.40.3 LED school warning lights and audible backup alarm:

- 1.40.3.1 School warning lights: To be LED, red and amber, 7 inch diameter with visors (visors not required on Thomas C2 per MVA). As follows:
- 1.40.3.2 Must have two-mode capability (steady burn; strobing flash @ 10.4 flashes per second). Mode to be determined by LEA.

- 1.40.3.3 School warning lights: To be activated by separate control panel or dash-mounted (to right side of driver), and include a momentary activation switch, red and amber pilot lights, master switch, and override switch for red light activation only (per COMAR).
- 1.40.3.4 Override switch shall operate with master switch in on or off position.
- 1.40.3.5 Warning light flasher: Weldon 7000 Sound-Off, or operated through body control microprocessor.

Mirrors

1.41.1 Exterior

- 1.41.1.1 Exterior side view remote adjustable west coast mirrors are required. Right side mirror must be visible through front windshield while operator is in normal seated position.
- 1.41.1.2 All exterior mirrors shall be electrically heated with 15-20 minute timer.
- 1.41.1.3 Cross over mirrors (quadrispherical type) shall be mounted on the left and right front fender (meets FMVSS-111).
- 1.41.1.4 All exterior fasteners to be of stainless steel.
- 1.41.1.5 Weather proof grommets shall be used to seal electrically heated mirror wire harness of bus body. Silicone sealant is not acceptable. Weather proof electrical wire terminal disconnects shall be placed within 12-inches of mirror heads.
- 1.41.1.6 All heated mirrors will operate off of one switch with a pilot light to indicate when the heating elements are turned on.

Noise Reduction Package

- 1.42.1 Acoustic headliner shall be installed throughout the entire passenger compartment
- 1.42.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.42.3 Omit step-well reduction package

Paint/Color

- 1.43.1 Roof shall be white.
- 1.43.2 Interior – Standard color panels

First Piece Inspection

- 1.44.1 A completed bus is to be made available for inspection by for two (2) LEA representatives at the factory with all expenses (including air when excess of 200 miles) borne by the vendor. First piece inspection approval will be given prior to the completion of the production run.

Radio/PA System

- 1.45.1 AM/FM/CD radio with PA system, flush-mounted, with four (4) channels, rated at 30 Watts minimum per channel.
- 1.45.2 Integral digital clock.
- 1.45.3 Minimum six (6) speakers, flush mounted in roof, evenly spaced throughout bus interior.
- 1.45.4 Speakers must be compatible with output of radio and PA system.
- 1.45.5 The first speaker shall be mounted as close to the driver as possible in the area of the first passenger seat (right or left side), but not forward of the crash barrier.
- 1.45.6 Integral PA system with microphone. Microphone to be equipped with volume control.
- 1.45.7 Location of microphone holder to be determined at time of pilot bus inspection.
- 1.45.8 PA system to operate through all 6 speakers.
- 1.45.9 Radio play to be automatically interrupted when microphone is activated.

Rub Rail

- 1.46.1 Snow rail shall be installed full length (at the bottom) of body skirt.

Seats & Interior

- 1.47.1 Fire-block upholstery. Fabric shall be **Black, Green, Brown or Blue** – as specified by LEA
- 1.47.2 Driver's seat:
 - 1.47.2.1 High back, suspension
 - 1.47.2.2 Three-point combination lap/shoulder belt (orange color), with height-adjustable shoulder belt (minimum 16 inch vertical adjustment).
 - 1.47.2.3 Right-side fold down arm rest (left side not required).
 - 1.47.2.4 Lumbar support required.
 - 1.47.2.5 Knee action seat prohibited
- 1.47.3 A floor plan must be provided and approved prior to ordering.
- 1.47.4 A document holder with approximate dimensions of 12" x 18" x 3" (sufficient to hold a 3" binder) with Velcro secured top flap shall be incorporated into the front of the driver's side modesty panel (barrier). The barrier cover and the document holder shall be constructed of fire block material.

Steps

- 1.48.1 There shall be one stirrup step and a suitably located handle on each side of the front body for accessibility for cleaning windshield and lamps.
- 1.48.2 Three (3) step entrance shall be provided and covered with black slip resistant pebble tread rubber with white nosing.
- 1.48.3 Step-wells shall be constructed of rust resistant material.

Storage Compartment

1.49.1 A metal/plastic storage compartment approximately 28”L x 7”D x 12”H located above the driver’s sash window at the ceiling is to be provided. An access door that secures with a latch (no key locks) is required. The size of the compartment that the vendor can provide must be identified at the time of the bid submission. The protrusions of screws or long bolts into the compartment, or the routing of loose electrical wiring inside the compartment, thus making the compartment unusable for storage must be eliminated.

Stop Arm

1.50.1 Electric operated octagon-shaped, with strobing LED lights visible front and rear, shall be activated in conjunction with flashing warning light switch.

1.50.2 Fasteners must be stainless steel.

Undercoating

1.51.1 Complete underbody including wheel wells and fuel tank shall be fully undercoated.

Windshield Wipers

1.52.1 (2) Bottom mounted electrically operated motors. Parallelogram type arms. Variable speed. Heavy duty wiper blades. Provide hi/low/intermittent wiper controls.

Windshield and Windows

1.53.1 Driver sliding sash assembly shall be supplied.

1.53.2 The upper portion of the windshield is to be tinted to the maximum allowable percentage under Maryland law.

1.53.3 There shall be a minimum of (2) vertically hinged side push out windows (one (1) on each side).

Air Conditioning

1.54.1 Refer to Pages 60-62, Air Conditioning Specifications.

Wheelchair Lift and Track/Seating

1.55.2 Refer to Pages 62-63, Wheelchair Specifications – ADA Compliant.

64/66 Passenger Bus Specifications

BASIC MINIMUM SPECIFICATIONS - BUS CHASSIS
FOR 64/66 PASSENGER SCHOOL BUS - TYPE C

The design of school bus bodies is to provide for the safety of pupil and for long range, maintenance free factors as required by Transportation Code.....

Air Cleaner

- 1.1.1 Engine shall be equipped with a dry-element type air cleaner.
- 1.1.2 Air cleaner restriction indicator gauge must be included.
- 1.1.3 Mounted outside passenger compartment with proper ducting to provide adequate engine aspiration.
- 1.1.4 Location of air intake and air cleaner shall be readily accessible for servicing.

Alternator

- 1.2.1 Shall be sufficient output to meet the electrical demand of the vehicle.
- 1.2.2 Minimum rated capacity: 200 amperes.
- 1.2.3 Minimum rated capacity for buses equipped with air conditioning and/or wheelchair lifts: 270 amperes.
- 1.2.4 Heavy duty 12-volt type.
- 1.2.5 Acceptable brands: Leece Neville.

Axles

- 1.3 Conventional: Front – 10,000 (minimum) (Differential ratio shall allow a cruising speed of 70 mph)
 Rear – 21,000 (minimum)

Battery

- 1.4.1 Chassis must be equipped with a minimum of three BCI Group 31 twelve (12) volt maintenance free batteries with a total of no less than 1000 CCA each (measured @ 0°F).
- 1.4.2 Batteries shall be mounted outside of engine compartment. Batteries shall be mounted on a slide out heavy duty tray in a skirt mounted battery box with stainless steel roller bearings and stop whereby batteries may be exposed to outside for convenient servicing.
- 1.4.3 Battery compartment door or cover shall be secured by an adequate and conveniently operated latch. No lock on door.
- 1.4.4 Ground cable shall be mounted to a permanent part of chassis frame.
- 1.4.5 One-piece battery cables of sufficient length to reach outside battery compartment when slide-out tray is fully extended shall be provided.
- 1.4.6 All cables passing through the metal battery box shall be protected by non-conductive rubber grommets to prevent chaffing.
- 1.4.7 A 150 AMP main circuit breaker with disconnects shall be provided in the engine compartment.

Brake, Parking - Hydraulic

- 1.5.1 Shall be driveline type with dash mounted control (Orscheln type not acceptable) or foot applied control to apply and release the parking brake. Warning light must be provided to alert the driver when the parking brake is engaged.

Brakes - Hydraulic

- 1.6.1 Power assist will be used.
- 1.6.2 Split power or full power hydraulic system with front and rear disc; 4-wheel anti-lock brake system.
- 1.6.3 Service brake master cylinder must be located inside engine compartment with easy access for checking fluid level.
- 1.6.4 All metal brake lines must be stainless steel or an approved corrosion resistant equivalent substitute.

Bumper, Front

- 1.7.1 Refer to COMAR.

Cooling System

- 1.8.1 Provide an automatic fan clutch and fan. Shall be of adequate capacity to cool engine at any outside temperature.
- 1.8.2 A heavy duty radiator shall be installed. Cooling system overflow recovery system shall be provided.
- 1.8.3 Cooling system shall be protected to -20° with permanent type anti-freeze.
- 1.8.4 Provide easy access to coolant filler cap for easy fill with typical water/coolant bucket
- 1.8.5 Constant torque hose clamps in engine compartment.
- 1.8.6 Drain cocks must be installed in radiator.

Drive Shaft Guards and Shields

- 1.9.1 Refer to COMAR.

Electrical (Chassis Wiring)

- 1.10.1 The chassis wiring system shall be of sufficient capacity to meet the electrical demand of the vehicle.
- 1.10.2 Voltmeter is required and shall have a capacity of no more than 18 volts.
- 1.10.3 Circuit breakers of 150 amperes minimum shall be installed between battery and body harness.

- 1.10.4 All wiring must be color coded and numbered at 4-inch intervals and a diagram of the circuits shall be attached to the body in a readily accessible location. (Addressed in body specs)
- 1.10.5 A complete wiring schematic diagram must be provided.
- 1.10.6 All wires shall be in wire loom.

Engine

- 1.11.1 Diesel, six cylinder in-line engine minimum of 220 HP with the capability of recalibrating to a higher HP.

Exhaust System

- 1.12.1 Exhaust pipe system must not interfere with optional storage compartment installation.
- 1.12.2 Tail pipe must be installed to exhaust from the left side (road side) under the bumper.

Frame Side Members

- 1.13.1 Refer to COMAR.

Fenders

- 1.14.1 Non-logo mud flaps shall be provided behind each wheel and extend down approximately 9" from the ground.
- 1.14.2 Fenders must extend beyond tire or be protected by a fender extension.

Fuel System

1.15.1 Tank

- 1.15.1.1 The fuel tank shall have a minimum capacity of 60 gallons and be on the right hand side of the chassis rail or between frame rails.
- 1.15.1.2 A fuel tank sender plate shall be provided to allow access for fuel gauge sending unit replacement.

1.15.2 Filters/Heater

- 1.15.2.1 Provide combination electric fuel heater, water separator and fuel filter. A heater working in conjunction with coolant system will not be acceptable.
- 1.15.2.2 Must be located in an easily accessible location for service.
- 1.15.2.3 Provide manual priming capability.

1.15.3 Fuel Filler Cap

- 1.15.3.1 Fuel filler cap must be attached to the fuel filler neck with a chain.

Hood

- 1.16.1 Conventional hood shall be fiberglass full tilt type.

Ignition

- 1.17.1 All ignition switches shall be master-keyed alike. LEA shall furnish their standard key code.
- 1.17.2 Manufacturer shall provide (5) sets of ignition keys per bus.

Instrument Panel

- 1.18.1 The bus shall be equipped with the following non-glare, illuminated gauges, warning lights and alarms mounted for easy maintenance and repair and in such a manner that each is clearly visible to seated operator:

Gauges

- | | |
|----------------------------|--|
| 1. Speedometer | 7. Transmission temperature gauge |
| 2. Fuel gauge | 8. Tachometer |
| 3. Oil pressure gauge | 9. Air pressure gauge (if so equipped) |
| 4. Water temperature gauge | 10. Hour-meter |
| 5. Voltmeter | 11. Diesel Exhaust Fuel Gauge (DEF) |
| 6. Odometer | |

Warning Lights, Switches and Alarms

- | | |
|---|--|
| 1. High water temperature warning light and buzzer. | 7. Wait to Start Light |
| 2. Low oil pressure warning light and buzzer. | 8. Upper beam headlight indicator |
| 3. Self-canceling directional signals. | 9. Turn signal indicator light |
| 4. Low air pressure warning light and buzzer | 10. Low coolant indicator light and buzzer |
| 5. Emergency escape audible alarm. | |
| 6. Warning light or buzzer for automatic transmission fluid temperature | |

- 1.18.2 Instrument panel shall be non-reflective in color.

Openings

- 1.19.1 All openings in floorboard or firewall between chassis and passenger – carrying compartment, such as for hoses, brake pedals, accelerator pedal, gear-shift lever and auxiliary brake lever, shall be properly sealed or grommeted.

Shock Absorbers

- 1.20.1 Two (2) front and two (2) rear heavy-duty, double acting shock absorbers of sufficient capacity to meet GVW requirement shall be provided.

Springs

- 1.21.1 Rated capacity of spring shall not exceed rating of respective axle.
- 1.21.2 Heavy duty single stage multi-leaf front and rear variable rate suspension to meet GVW and axle ratings.
- 1.21.3 All shackle and spring hanging bolts/pins shall have grease able fittings or euro-bushings.

Steering

- 1.22.1 Power steering unit shall be installed by chassis manufacturer.
- 1.22.2 Pump reservoir shall be readily accessible for service and checking fluid level.

Steering Wheel

- 1.23.1 Will be equipped with a tilting mechanism to allow drivers to adjust the steering wheel position.

Tires/Wheels

- 1.24.1 Tires shall be 1100R 22.5, tier one brand and tread design for buses without wheelchair lifts.
- 1.24.2 Wheels shall be ten hole hub-piloted type, painted black.

Transmission, Automatic

- 1.25.1 Allison (PTS 2500), or equal, automatic – 5 speed, oil cooler and lines to meet engine and transmission manufacturer's specifications for maximum cooling.
- 1.25.2 Transmission shall have gear shift button/selector mounted on the dash. Floor mounted not acceptable.
- 1.25.3 Transmission shall be filled with Transynd synthetic fluid from Allison. Permanent label identifying "Transynd" synthetic fluid only, near fill tube.
- 1.25.4 Transmission warranty shall be a five (5) year unlimited mileage OEM warranty.

Noise Reduction Package

- 1.26.1 Acoustic headliner shall be installed throughout the entire passenger compartment
- 1.26.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.26.3 Omit step-well reduction package

BASIC MINIMUM SPECIFICATIONS – BUS BODY
FOR 48, 64/66 and 70 PASSENGER SCHOOL BUS - TYPE C

Minimum specifications shall include all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Code of Maryland Regulations (COMAR) for school buses in effect at the time of this bid. In addition, the bus(es) must meet the minimum bid specifications provided in this document.

Aisle

- 1.27.1 One two inch (2") white rubber aisle strip shall be installed between the two front barriers and one two inch (2") white rubber aisle strip 27" forward of the emergency door.
- 1.27.2 No seat or other object shall be so placed in bus as to restrict any part of passageway 24" forward of emergency door

Backup Alarm

- 1.28.1 Backup alarm (audible): Minimum 97 decibels, mounted on frame behind rear axle, and activate automatically when transmission is in reverse position

Body

- 1.29.1 Provide a diagram at time of bid submission depicting dimensions of the bus, to include seat spacing.
- 1.29.2 Body side skirt shall extend to the approximate centerline of the axles.
- 1.29.3 The body side panels from under the windows to the bottom of the skirt must be 16 gauge.
- 1.29.4 Interior headroom shall be no less than 77".

Bumper Rear

- 1.30.1 Refer to COMAR.

Construction

- 1.31.1 Full length acoustical ceiling with insulation.
- 1.31.2 Roof Vent/Emergency Exit – Two (2) low profile with audible alarm
- 1.31.3 External construction shall be of rust-resistant, zinc-coated, prime commercial zinc cold-rolled quality steel. All such construction materials shall be fire-resistant.
- 1.31.4 Body hold down clamps – positive clamp – not spring type.

Doors

Service Door

- 1.32.1.1 If the bus is furnished with an air compressor, air operated door shall be an option provided at no extra charge at the customers discretion.
- 1.32.1.2 If the bus is not furnished with an air compressor, an electric or manual door shall be provided as an option if available at no charge at the customer's discretion.
- 1.32.1.3 Door control mechanism shall be located overhead of door and concealed behind a removable panel.
- 1.32.1.4 Shall be outward type door only.
- 1.32.1.5 Service door shall have a minimum horizontal opening of 24 inches and minimum vertical opening of 68 inches.
- 1.32.1.6 Manually operated, service door shall be equipped with heavy duty chrome or powder coated door control and rod.

Emergency Door and Exits

- 1.32.2.1 Must comply to COMAR and Federal Motor Vehicle safety standards 217 regulations.
- 1.32.2.2 Metal sill to protect floor at emergency door entrance

Electrical

- 1.33.1 Access Covers – Main body wiring harness must be easily accessible by removing molded covers over sash and the vertical post at the rear of the driver's window.
- 1.33.2 All electrical circuits are to be color coded wire and protected by circuit breakers. Circuit breakers shall be easily accessible with no screw or bolt removal necessary to reach them and shall be plainly marked designating the circuit to which each applies.

Emergency Equipment

- 1.34.1 Provide all safety equipment required by FMVSS and COMAR. The location of emergency equipment will be determined by the jurisdiction (during review of the pilot model bus.) Emergency equipment items are not to be mounted prior to that time.

Floor Covering

- 1.35.1 Floor covering, seating and other interior accessory colors must match/color coordinate.
- 1.35.2 The floor covering shall be one continuous piece from front to rear. **Splicing is unacceptable.**
- 1.35.3 Metal cover molding shall be installed along side wall and rear body wall.
- 1.35.4 Aisle joint molding shall be constructed of aluminum and installed over all seams where aisle covering meets floor covering.
- 1.35.5 Sub-flooring shall be of 5/8" marine grade plywood.
- 1.35.6 Aisle – 3/16" ribbed rubber
- 1.35.7 Under seat – 1/8" smooth rubber under seats, wheel wells and in driver's area.

Handrails (Grab Rail)

- 1.36.1 Handrails shall be installed on both sides of the front entrance going up the steps of the bus.
- 1.36.2 Handrails shall be stainless steel.
- 1.36.3 Must meet current standards for draw strings.

Heater-Defroster

- 1.37.1 Each bus shall be equipped with three independently controlled hot water heaters, which shall be fresh air or combination fresh air re-circulating type. Air filters mounted for ease of servicing shall be installed.
- 1.37.2 Front – 140,000 BTU (minimum 50,000 BTU on right) heater to include full width windshield defroster.
- 1.37.3 Rear – 70,000 BTU rear heater behind the rear wheel well on the left side mounted under seat.
- 1.37.4 Two six inch (6") minimum heavy duty defroster fans shall be installed - (1) mounted near the center of the windshield and (1) mounted over the driver's left side window.
- 1.37.5 Two (2) brass shut-off valves lever type with 90 degree rotation of the handle shall be supplied in the engine compartment to restrict heater operation.
- 1.37.6 A shut off valve shall be accessible by the driver from their seat. An electronically controlled shut-off valve is acceptable.

Identification – Lettering (Block Style)

- 1.38.1 Lettering shall meet National, State and Local requirements as to type, size, color, locations and wording
 - 1.38.1.1 A two (2) inch number is to be placed above the right hand windshield and on the rear bulk head on the interior of the bus. An identification number will be placed on the exterior roof of the bus per COMAR.
 - 1.38.1.2 No lettering on rivets or seams.
 - 1.38.1.3 No logo on mud flaps.
 - 1.38.1.4 Number on the front bumper shall be yellow.
 - 1.38.1.5 **No passengers forward of white line while bus is in motion** shall be placed on the head wall above the windshield. The size of this decal is to be no larger than 6" x 9".

Lights

LED Lamps to be Truck-Lite and/or Sound-Off Brand as determined by LEA at no extra cost. Full factory warranty. Meet Federal and COMAR standards.

1.39.1 Interior:

- 1.39.1.1 Minimum eight (8) LED interior lamps.
- 1.39.1.2 One (1) LED lamp in step-well area.
- 1.39.1.3 One (1) LED dome lamp in driver's area, with separate switch.
- 1.39.1.4 One (1) LED above rear emergency exit door.

1.39.2 Exterior:

- 1.39.2.1 Two (2) LED 7 inch combination tail and stop lights.
- 1.39.2.2 Two (2) LED 4 inch combination tail and stop lights.
- 1.39.2.3 One (1) LED license plate light, mounted on left rear side.
- 1.39.2.4 Two (2) LED 7 inch clear backup lights.
- 1.39.2.5 Two (2) LED 7 inch amber rear directional signals.
- 1.39.2.6 Four (4) armored side directional marker lights, mounted at seat level rub rail; amber (front) and red (rear). Front, rear, and side roof LED clearance lights.
- 1.39.2.7 One (1) 4 inch clear, flush-mounted LED light, mounted externally on the right side of the bus, just behind the rear edge of the entrance door and below the level of the fuel filler door. To illuminate the ground in the area of the entrance door. Wired to operate with the interior step-well light. Mounted in an integrated, waterproof mounting flange.

1.39.3 LED school warning lights and audible backup alarm:

- 1.39.3.1 School warning lights: To be LED, red and amber, 7 inch diameter with visors (visors not required on Thomas C2 per MVA). As follows:
 - 1.39.3.2 Must have two-mode capability (steady burn; strobing flash @ 10.4 flashes per second). Mode to be determined by LEA.
 - 1.39.3.3 School warning lights: To be activated by separate control panel or dash-mounted (to right side of driver), and include a momentary activation switch, red and amber pilot lights, master switch, and override switch for red light activation only (per COMAR).
 - 1.39.3.4 Override switch shall operate with master switch in on or off position.
 - 1.39.3.5 Warning light flasher: Weldon 7000 Sound-Off, or operated through body control microprocessor.

Mirrors

1.40.1 Exterior

- 1.40.1.1 Exterior side view remote adjustable west coast mirrors are required. Right side mirror must be visible through front windshield while operator is in normal seated position.
- 1.40.1.2 All exterior mirrors shall be electrically heated with 15-20 minute timer.
- 1.40.1.3 Cross over mirrors (quadrispherical type) shall be mounted on the left and right front fender (meets FMVSS-111).
- 1.40.1.4 All exterior fasteners to be of stainless steel.
- 1.40.1.5 Weather proof grommets shall be used to seal electrically heated mirror wire harness of bus body. Silicone sealant is not acceptable. Weather proof electrical wire terminal disconnects shall be placed within 12-inches of mirror heads.
- 1.40.1.6 All heated mirrors will operate off of one switch with a pilot light to indicate when the heating elements are turned on.

Noise Reduction Package

- 1.41.1 Acoustic headliner shall be installed throughout the entire passenger compartment.
- 1.41.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.41.3 Omit step-well reduction package.

Paint/Color

- 1.42.1 Roof shall be white.
- 1.42.2 Interior – Standard color panels

First Piece Inspection

- 1.43.1 A completed bus is to be made available for inspection by for two (2) LEA representatives at the factory with all expenses (including air when excess of 200 miles) borne by the vendor. First piece inspection approval will be given prior to the completion of the production run.

Radio/PA System

- 1.44.1 AM/FM/CD radio with PA system, flush-mounted, with four (4) channels, rated at 30 Watts minimum per channel.
- 1.44.2 Integral digital clock.
- 1.44.3 Minimum six (6) speakers, flush mounted in roof, evenly spaced throughout bus interior.
- 1.44.4 Speakers must be compatible with output of radio and PA system.
- 1.44.5 The first speaker shall be mounted as close to the driver as possible in the area of the first passenger seat (right or left side), but not forward of the crash barrier.
- 1.44.6 Integral PA system with microphone. Microphone shall be equipped with volume control.
- 1.44.7 Location of microphone holder to be determined at time of pilot bus inspection.
- 1.44.8 PA system to operate through all 6 speakers.
- 1.44.9 Radio play to be automatically interrupted when microphone is activated.

Rub Rail

- 1.45.1 Snow rail shall be installed full length (at the bottom) of body skirt.

Seats & Interior

- 1.46.1 Fire-block upholstery. Fabric shall be **Black, Green, Brown or Blue** – as specified by LEA
- 1.46.2 Driver's seat:
 - 1.46.2.1 High back, suspension.
 - 1.46.2.2 Three-point combination lap/shoulder belt (orange color), with height-adjustable shoulder belt (minimum 16 inch vertical adjustment).
 - 1.46.2.3 Right-side fold down arm rest (left side not required).
 - 1.46.2.4 Lumbar support required.
 - 1.46.2.5 Knee action seat prohibited.
- 1.46.3 Rear most seats shall be 30" wide. Standard 3-3 seating with 39" seat width to be used in the remainder of the bus. A floor plan must be provided and approved prior to ordering.
- 1.46.4 A document holder with approximate dimensions of 12" x 18" x 3" (sufficient to hold a 3" binder) with Velcro secured top flap shall be incorporated into the front of the driver's side modesty panel (barrier). The barrier cover and the document holder shall be constructed of fire block material.

Steps

- 1.47.1 There shall be one stirrup step and a suitably located handle on each side of the front body for accessibility for cleaning windshield and lamps.
- 1.47.2 Three (3) step (or four (4) step) entrance shall be provided.
- 1.47.3 Three (3) step (or four (4) step) entrance covered with black slip resistant pebble tread rubber with white nosing.
- 1.47.4 Step-wells shall be constructed of rust resistant material.

Storage Compartment

1.48.1 A metal/plastic storage compartment approximately 28"L x 7"D x 12"H located above the driver's sash window at the ceiling is to be provided. An access door that secures with a latch (no key locks) is required. The size of the compartment that the vendor can provide must be identified at the time of the bid submission. The protrusions of screws or long bolts into the compartment, or the routing of loose electrical wiring inside the compartment, thus making the compartment unusable for storage must be eliminated.

Stop Arm

1.49.1 Electric operated octagon-shaped, with strobing LED lights visible front and rear, shall be activated in conjunction with flashing warning light switch.

1.49.2 Fasteners must be stainless steel.

Undercoating

1.50.1 Complete underbody including wheel wells and fuel tank shall be fully undercoated.

Windshield Wipers

1.51.1 (2) Bottom mounted electrically operated motors. Parallelogram type arms. Variable speed. Heavy duty wiper blades. Provide hi/low/intermittent wiper controls.

Windshield and Windows

1.52.1 Driver sliding sash assembly shall be supplied.

1.52.2 The upper portion of the windshield is to be tinted to the maximum allowable percentage under Maryland law.

1.52.3 There shall be a minimum of (4) vertically hinged side push out windows (two (2) on each side).

70 Passenger Bus Specifications

BASIC MINIMUM SPECIFICATIONS - BUS CHASSIS
FOR 70 PASSENGER SCHOOL BUS - TYPE C

The design of school bus bodies is to provide for the safety of pupil and for long range, maintenance free factors as required by Transportation Code.....

Air Cleaner

- 1.1.1 Engine shall be equipped with a dry-element type air cleaner.
- 1.1.2 Air cleaner restriction indicator gauge must be included.
- 1.1.3 Mounted outside passenger compartment with proper ducting to provide adequate engine aspiration.
- 1.1.4 Location of air intake and air cleaner shall be readily accessible for servicing.

Alternator

- 1.2.1 Shall be sufficient output to meet the electrical demand of the vehicle.
- 1.2.2 Minimum rated capacity: 200 amperes.
- 1.2.3 Minimum rated capacity for buses equipped with air conditioning and/or wheelchair lifts: 270 amperes.
- 1.2.4 Heavy duty 12-volt type.
- 1.2.5 Acceptable brands: Leece Neville.

Axles

- 1.3 Conventional: Front – 10,000 (minimum) (Differential ratio shall allow a cruising speed of 70 mph)
 Rear – 21,000 (minimum)

Battery

- 1.4.1 Chassis must be equipped with a minimum of three BCI Group 31 twelve (12) volt maintenance free batteries with a total of no less than 1000 CCA each (measured @ 0°F).
- 1.4.2 Batteries shall be mounted outside of engine compartment. Batteries shall be mounted on a slide out heavy duty tray in a skirt mounted battery box with stainless steel roller bearings and stop whereby batteries may be exposed to outside for convenient servicing.
- 1.4.3 Battery compartment door or cover shall be secured by an adequate and conveniently operated latch. No lock on door.
- 1.4.4 Ground cable shall be mounted to a permanent part of chassis frame.
- 1.4.5 One-piece battery cables of sufficient length to reach outside battery compartment when slide-out tray is fully extended shall be provided.
- 1.4.6 All cables passing through the metal battery box shall be protected by non-conductive rubber grommets to prevent chaffing.
- 1.4.7 A 150 AMP main circuit breaker with disconnects shall be provided in the engine compartment.

Brake, Parking - Hydraulic

- 1.5.1 Shall be driveline type with dash mounted control (Orscheln type not acceptable) or foot applied control to apply and release the parking brake. Warning light must be provided to alert the driver when the parking brake is engaged.

Brakes - Hydraulic

- 1.6.1 Power assist will be used.
- 1.6.2 Split power or full power hydraulic system with front and rear disc; 4-wheel anti-lock brake system.
- 1.6.3 Service brake master cylinder must be located inside engine compartment with easy access for checking fluid level.
- 1.6.4 All metal brake lines must be stainless steel or an approved corrosion resistant equivalent substitute.

Bumper, Front

- 1.7.1 Refer to COMAR.

Cooling System

- 1.8.1 Provide an automatic fan clutch and fan. Shall be of adequate capacity to cool engine at any outside temperature.
- 1.8.2 A heavy duty radiator shall be installed. Cooling system overflow recovery system shall be provided.
- 1.8.3 Cooling system shall be protected to -20° with permanent type anti-freeze.
- 1.8.4 Provide easy access to coolant filler cap for easy fill with typical water/coolant bucket.
- 1.8.5 Constant torque hose clamps in engine compartment.
- 1.8.6 Drain cocks must be installed in radiator.

Drive Shaft Guards and Shields

- 1.9.1 Refer to COMAR.

Electrical (Chassis Wiring)

- 1.10.1 The chassis wiring system shall be of sufficient capacity to meet the electrical demand of the vehicle.
- 1.10.2 Voltmeter is required and shall have a capacity of no more than 18 volts.
- 1.10.3 Circuit breakers of 150 amperes minimum shall be installed between battery and body harness.

- 1.10.4 All wiring must be color coded and numbered at 4-inch intervals and a diagram of the circuits shall be attached to the body in a readily accessible location. (Addressed in body specs)
- 1.10.5 A complete wiring schematic diagram must be provided.
- 1.10.6 All wires shall be in wire loom.

Engine

- 1.11.1 Diesel, six cylinder in-line engine minimum of 220 HP with the capability of recalibrating to a higher HP.

Exhaust System

- 1.12.1 Exhaust pipe system must not interfere with optional storage compartment installation.
- 1.12.2 Tail pipe must be installed to exhaust from the left side (road side) under the bumper.

Frame Side Members

- 1.13.1 Refer to COMAR.

Fenders

- 1.14.1 Non-logo mud flaps shall be provided behind each wheel and extend down approximately 9" from the ground.
- 1.14.2 Fenders must extend beyond tire or be protected by a fender extension.

Fuel System

1.15.1 Tank

- 1.15.1.1 The fuel tank shall have a minimum capacity of 60 gallons and be on the right hand side of the chassis rail or between frame rails.
- 1.15.1.2 A fuel tank sender plate shall be provided to allow access for fuel gauge sending unit replacement.

1.15.2 Filters/Heater

- 1.15.2.1 Provide combination electric fuel heater, water separator and fuel filter. A heater working in conjunction with coolant system will not be acceptable.
- 1.15.2.2 Must be located in an easily accessible location for service.
- 1.15.2.3 Provide manual priming capability.

1.15.3 Fuel Filler Cap

- 1.15.3.1 Fuel filler cap must be attached to the fuel filler neck with a chain.

Hood

- 1.16.1 Conventional hood shall be fiberglass full tilt type.

Ignition

- 1.17.1 All ignition switches shall be master-keyed alike. LEA shall furnish their standard key code.
- 1.17.2 Manufacturer shall provide (5) sets of ignition keys per bus.

Instrument Panel

- 1.18.1 The bus shall be equipped with the following non-glare, illuminated gauges, warning lights and alarms mounted for easy maintenance and repair and in such a manner that each is clearly visible to seated operator:

Gauges

- | | |
|----------------------------|--|
| 1. Speedometer | 7. Transmission temperature gauge |
| 2. Fuel gauge | 8. Tachometer |
| 3. Oil pressure gauge | 9. Air pressure gauge (if so equipped) |
| 4. Water temperature gauge | 10. Hour-meter |
| 5. Voltmeter | 11. Diesel Exhaust Fuel Gauge (DEF) |
| 6. Odometer | |

Warning Lights, Switches and Alarms

- | | |
|---|--|
| 1. High water temperature warning light and buzzer. | 7. Wait to Start Light |
| 2. Low oil pressure warning light and buzzer. | 8. Upper beam headlight indicator |
| 3. Self-canceling directional signals. | 9. Turn signal indicator light |
| 4. Low air pressure warning light and buzzer | 10. Low coolant indicator light and buzzer |
| 5. Emergency escape audible alarm. | |
| 6. Warning light or buzzer for automatic transmission fluid temperature | |

- 1.18.2 Instrument panel shall be non-reflective in color.

Openings

- 1.19.1 All openings in floorboard or firewall between chassis and passenger – carrying compartment, such as for hoses, brake pedals, accelerator pedal, gear-shift lever and auxiliary brake lever, shall be properly sealed or grommeted.

Shock Absorbers

- 1.20.1 Two (2) front and two (2) rear heavy-duty, double acting shock absorbers of sufficient capacity to meet GVW requirement shall be provided.

Springs

- 1.21.1 Rated capacity of spring shall not exceed rating of respective axle.
- 1.21.2 Heavy duty single stage multi-leaf front and rear variable rate suspension to meet GVW and axle ratings.
- 1.21.3 All shackle and spring hanging bolts/pins shall have grease able fittings or euro-bushings.

Steering

- 1.22.1 Power steering unit shall be installed by chassis manufacturer.
- 1.22.2 Pump reservoir shall be readily accessible for service and checking fluid level.

Steering Wheel

- 1.23.1 Will be equipped with a tilting mechanism to allow drivers to adjust the steering wheel position.

Tires/Wheels

- 1.24.1 Tires shall be 1100R 22.5, tier one brand and tread design for buses without wheelchair lifts.
- 1.24.2 Wheels shall be ten hole hub-piloted type, painted black.

Transmission, Automatic

- 1.25.1 Allison (PTS 2500), or equal, automatic – 5 speed, oil cooler and lines to meet engine and transmission manufacturer's specifications for maximum cooling.
- 1.25.2 Transmission shall have gear shift button/selector mounted on the dash. Floor mounted not acceptable.
- 1.25.3 Transmission shall be filled with Transynd synthetic fluid from Allison. Permanent label identifying "Transynd" synthetic fluid only, near fill tube.
- 1.25.4 Transmission warranty shall be a five (5) year unlimited mileage OEM warranty.

Noise Reduction Package

- 1.26.1 Acoustic headliner shall be installed throughout the entire passenger compartment.
- 1.26.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.26.3 Omit step-well reduction package.

BASIC MINIMUM SPECIFICATIONS – BUS BODY
FOR 70 PASSENGER SCHOOL BUS - TYPE C

Minimum specifications shall include all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Code of Maryland Regulations (COMAR) for school buses in effect at the time of this bid. In addition, the bus(es) must meet the minimum bid specifications provided in this document.

Aisle

- 1.27.1 One two inch (2") white rubber aisle strip shall be installed between the two front barriers and one two inch (2") white rubber aisle strip 27" forward of the emergency door.
- 1.27.2 No seat or other object shall be so placed in bus as to restrict any part of passageway 24" forward of emergency door.

Backup Alarm

- 1.28.1 Backup alarm (audible): Minimum 97 decibels, mounted on frame behind rear axle, and activate automatically when transmission is in reverse position.

Body

- 1.29.1 Provide a diagram at time of bid submission depicting dimensions of the bus, to include seat spacing.
- 1.29.2 Body side skirt shall extend to the approximate centerline of the axles.
- 1.29.3 The body side panels from under the windows to the bottom of the skirt must be 16 gauge.
- 1.29.4 Interior headroom shall be no less than 77".

Bumper Rear

- 1.30.1 Refer to COMAR.

Construction

- 1.31.1 Full length acoustical ceiling with insulation.
- 1.31.2 Roof Vent/Emergency Exit – Two (2) low profile with audible alarm.
- 1.31.3 External construction shall be of rust-resistant, zinc-coated, prime commercial zinc cold-rolled quality steel. All such construction materials shall be fire-resistant.
- 1.31.4 Body hold down clamps – positive clamp – not spring type.

Doors

Service Door

- 1.32.1.1 If the bus is furnished with an air compressor, air operated door shall be an option provided at no extra charge at the customers discretion.
- 1.32.1.2 If the bus is not furnished with an air compressor, an electric or manual door shall be provided as an option if available at no charge at the customer's discretion.
- 1.32.1.3 Door control mechanism shall be located overhead of door and concealed behind a removable panel.
- 1.32.1.4 Shall be outward type door only.
- 1.32.1.5 Service door shall have a minimum horizontal opening of 24 inches and minimum vertical opening of 68 inches.
- 1.32.1.6 Manually operated, service door shall be equipped with heavy duty chrome or powder coated door control and rod.

Emergency Door and Exits

- 1.32.2.1 Must comply to COMAR and Federal Motor Vehicle safety standards 217 regulations.
- 1.32.2.2 Metal sill to protect floor at emergency door entrance.

Electrical

- 1.33.1 Access Covers – Main body wiring harness must be easily accessible by removing molded covers over sash and the vertical post at the rear of the driver's window.
- 1.33.2 All electrical circuits are to be color coded wire and protected by circuit breakers. Circuit breakers shall be easily accessible with no screw or bolt removal necessary to reach them and shall be plainly marked designating the circuit to which each applies.

Emergency Equipment

- 1.34.1 Provide all safety equipment required by FMVSS and COMAR. The location of emergency equipment will be determined by the jurisdiction (during review of the pilot model bus.) Emergency equipment items are not to be mounted prior to that time.

Floor Covering

- 1.35.1 Floor covering, seating and other interior accessory colors must match/color coordinate.
- 1.35.2 The floor covering shall be one continuous piece from front to rear. **Splicing is unacceptable.**
- 1.35.3 Metal cover molding shall be installed along side wall and rear body wall.
- 1.35.4 Aisle joint molding shall be constructed of aluminum and installed over all seams where aisle covering meets floor covering.
- 1.35.5 Sub-flooring shall be of 5/8" marine grade plywood.
- 1.35.6 Aisle – 3/16" ribbed rubber.
- 1.35.7 Under seat – 1/8" smooth rubber under seats, wheel wells and in driver's area.

Handrails (Grab Rail)

- 1.36.1 Handrails shall be installed on both sides of the front entrance going up the steps of the bus.
- 1.36.2 Handrails shall be stainless steel.
- 1.36.3 Must meet current standards for draw strings.

Heater-Defroster

- 1.37.1 Each bus shall be equipped with three independently controlled hot water heaters, which shall be fresh air or combination fresh air re-circulating type. Air filters mounted for ease of servicing shall be installed.
- 1.37.2 Front – 140,000 BTU (minimum 50,000 BTU on right) heater to include full width windshield defroster.
- 1.37.3 Rear – 70,000 BTU rear heater behind the rear wheel well on the left side mounted under seat.
- 1.37.4 Two six inch (6") minimum heavy duty defroster fans shall be installed - (1) mounted near the center of the windshield and (1) mounted over the driver's left side window.
- 1.37.5 Two (2) brass shut-off valves lever type with 90 degree rotation of the handle shall be supplied in the engine compartment to restrict heater operation.
- 1.37.6 A shut off valve shall be accessible by the driver from their seat. An electronically controlled shut-off valve is acceptable.

Identification – Lettering (Block Style)

- 1.38.1 Lettering shall meet National, State and Local requirements as to type, size, color, locations and wording
 - 1.38.1.1 A two (2) inch number is to be placed above the right hand windshield and on the rear bulk head on the interior of the bus. An identification number will be placed on the exterior roof of the bus per COMAR.
 - 1.38.1.2 No lettering on rivets or seams.
 - 1.38.1.3 No logo on mud flaps.
 - 1.38.1.4 Number on the front bumper shall be yellow.
 - 1.38.1.5 No passengers forward of white line while bus is in motion shall be placed on the head wall above the windshield. The size of this decal is to be no larger than 6" x 9".

Lights

LED Lamps to be Truck-Lite and/or Sound-Off Brand as determined by LEA at no extra cost. Full factory warranty. Meet Federal and COMAR standards.

1.39.1 Interior:

- 1.39.1.1 Minimum eight (8) LED interior lamps.
- 1.39.1.2 One (1) LED lamp in step-well area.
- 1.39.1.3 One (1) LED dome lamp in driver's area, with separate switch.
- 1.39.1.4 One (1) LED above rear emergency exit door.

1.39.2 Exterior:

- 1.39.2.1 Two (2) LED 7 inch combination tail and stop lights.
- 1.39.2.2 Two (2) LED 4 inch combination tail and stop lights.
- 1.39.2.3 One (1) LED license plate light, mounted on left rear side.
- 1.39.2.4 Two (2) LED 7 inch clear backup lights.
- 1.39.2.5 Two (2) LED 7 inch amber rear directional signals.
- 1.39.2.6 Four (4) armored side directional marker lights, mounted at seat level rub rail; amber (front) and red (rear). Front, rear, and side roof LED clearance lights.
- 1.39.2.7 One (1) 4 inch clear, flush-mounted LED light, mounted externally on the right side of the bus, just behind the rear edge of the entrance door and below the level of the fuel filler door. To illuminate the ground in the area of the entrance door. Wired to operate with the interior step-well light. Mounted in an integrated, waterproof mounting flange.

1.39.3 LED school warning lights and audible backup alarm:

- 1.39.3.1 School warning lights: To be LED, red and amber, 7 inch diameter with visors (visors not required on Thomas C2 per MVA). As follows:
 - 1.39.3.2 Must have two-mode capability (steady burn; strobing flash @ 10.4 flashes per second). Mode to be determined by LEA.
 - 1.39.3.3 School warning lights: To be activated by separate control panel or dash-mounted (to right side of driver), and include a momentary activation switch, red and amber pilot lights, master switch, and override switch for red light activation only (per COMAR).
 - 1.39.3.4 Override switch shall operate with master switch in on or off position.
 - 1.39.3.5 Warning light flasher: Weldon 7000 Sound-Off, or operated through body control microprocessor.

Mirrors

1.40.1 Exterior

- 1.40.1.1 Exterior side view remote adjustable west coast mirrors are required. Right side mirror must be visible through front windshield while operator is in normal seated position.
- 1.40.1.2 All exterior mirrors shall be electrically heated with 15-20 minute timer.
- 1.40.1.3 Cross over mirrors (quadrispherical type) shall be mounted on the left and right front fender (meets FMVSS-111).
- 1.40.1.4 All exterior fasteners to be of stainless steel.
- 1.40.1.5 Weather proof grommets shall be used to seal electrically heated mirror wire harness of bus body. Silicone sealant is not acceptable. Weather proof electrical wire terminal disconnects shall be placed within 12-inches of mirror heads.
- 1.40.1.6 All heated mirrors will operate off of one switch with a pilot light to indicate when the heating elements are turned on.

Noise Reduction Package

- 1.41.1 Acoustic headliner shall be installed throughout the entire passenger compartment.
- 1.41.2 Manufacturer shall supply noise reducing insulation package to include engine cover and firewall.
- 1.41.3 Omit step-well reduction package.

Paint/Color

- 1.42.1 Roof shall be white.
- 1.42.2 Interior – Standard color panels

First Piece Inspection

- 1.43.1 A completed bus is to be made available for inspection by for two (2) LEA representatives at the factory with all expenses (including air when excess of 200 miles) borne by the vendor. First piece inspection approval will be given prior to the completion of the production run.

Radio/PA System

- 1.44.1 AM/FM/CD radio with PA system, flush-mounted, with four (4) channels, rated at 30 Watts minimum per channel.
- 1.44.2 Integral digital clock.
- 1.44.3 Minimum six (6) speakers, flush mounted in roof, evenly spaced throughout bus interior.
- 1.44.4 Speakers must be compatible with output of radio and PA system.
- 1.44.5 The first speaker shall be mounted as close to the driver as possible in the area of the first passenger seat (right or left side), but not forward of the crash barrier.
- 1.44.6 Integral PA system with microphone. Microphone shall be equipped with volume control.
- 1.44.7 Location of microphone holder to be determined at time of pilot bus inspection.
- 1.44.8 PA system to operate through all 6 speakers.
- 1.44.9 Radio play to be automatically interrupted when microphone is activated.

Rub Rail

- 1.45.1 Snow rail shall be installed full length (at the bottom) of body skirt.

Seats & Interior

- 1.46.1 Fire-block upholstery. Fabric shall be **Black, Green, Brown or Blue** – as specified by LEA.
- 1.46.2 Driver's seat:
 - 1.46.2.1 High back, suspension.
 - 1.46.2.2 Three-point combination lap/shoulder belt (orange color), with height-adjustable shoulder belt (minimum 16 inch vertical adjustment).
 - 1.46.2.3 Right-side fold down arm rest (left side not required).
 - 1.46.2.4 Lumbar support required.
 - 1.46.2.5 Knee action seat prohibited.
- 1.46.3 Rear most seats shall be 30" wide. Standard 3-3 seating with 39" seat width to be used in the remainder of the bus. A floor plan must be provided and approved prior to ordering.
- 1.46.4 A document holder with approximate dimensions of 12" x 18" x 3" (sufficient to hold a 3" binder) with Velcro secured top flap shall be incorporated into the front of the driver's side modesty panel (barrier). The barrier cover and the document holder shall be constructed of fire block material.

Steps

- 1.47.1 There shall be one stirrup step and a suitably located handle on each side of the front body for accessibility for cleaning windshield and lamps.
- 1.47.2 Three step (or four (4) step) entrance shall be provided.
- 1.47.3 Three step (or four (4) step) entrance covered with black slip resistant pebble tread rubber with white nosing.
- 1.47.4 Step-wells shall be constructed of rust resistant material.

Storage Compartment

- 1.48.1 A metal/plastic storage compartment approximately 28”L x 7”D x 12”H located above the driver’s sash window at the ceiling is to be provided. An access door that secures with a latch (no key locks) is required. The size of the compartment that the vendor can provide must be identified at the time of the bid submission. The protrusions of screws or long bolts into the compartment, or the routing of loose electrical wiring inside the compartment, thus making the compartment unusable for storage must be eliminated.

Stop Arm

- 1.49.1 Electric operated octagon-shaped, with strobing LED lights visible front and rear, shall be activated in conjunction with flashing warning light switch.
- 1.49.2 Fasteners must be stainless steel.

Undercoating

- 1.50.1 Complete underbody including wheel wells and fuel tank shall be fully undercoated.

Windshield Wipers

- 1.51.1 (2) Bottom mounted electrically operated motors. Parallelogram type arms. Variable speed. Heavy duty wiper blades. Provide hi/low/intermittent wiper controls.

Windshield and Windows

- 1.52.1 Driver sliding sash assembly shall be supplied.
- 1.52.2 The upper portion of the windshield is to be tinted to the maximum allowable percentage under Maryland law.
- 1.52.3 There shall be a minimum of (4) vertically hinged side push out windows (two (2) on each side).

60 Passenger Transit Bus Specifications

BASIC MINIMUM SPECIFICATIONS - BUS CHASSIS
FOR 60 PASSENGER TRANSIT SCHOOL BUS - TYPE D

The design of school buses is to provide for the safety of pupil and for long range, maintenance free factors as required by Transportation Code.

Alternator

2.1.1 Alternator shall have a minimum output of 270 amps with 140 amps at idle, with "Leece Neville" or comparable style application.

Axles

- 2.2.1 Front axle shall be rated at a minimum gross weight of 14,000 lbs.
- 2.2.2 Rear axle shall be rated at a minimum gross weight of 21,000 lbs.
- 2.2.3 Tow hooks shall be mounted on the front and rear of bus.

Battery

2.3.1 Bus shall be equipped with three (3) 12-volt batteries with 2,100 combined CCA on stainless steel roller tray.

Brakes

- 2.4.1 Brakes shall be, full "S" cam, sixteen and one half (16.5") inches x six (6") inches front minimum and sixteen and one half (16.5") inches x seven (7) inches rear minimum.
- 2.4.2 Air reservoirs shall have a minimum of 6,400 total cubic feet capacity with heated automatic drain valve on each tank.
- 2.4.3 System shall be equipped with Bendix Air Dryer AD9.

Engine

- 2.5.1 Engine shall be compliant with 2014 EPA emissions standards.
- 2.5.2 Diesel engine shall be an inline six (6) cylinder configuration, with a minimum of two hundred and fifty (250) horse power with turbo charger.
 - 2.5.2.1 Engine shall be equipped with a minimum 1,000 watt block heater with auto reject receptacle mounted on the body above the rear bumper.
 - 2.5.2.2 Engine compartment door shall be across the width of the rear of the bus to allow for maximum accessibility to the engine.
 - 2.5.2.3 Engine compartment gauges:
 - 1. Water temperature
 - 2. Voltmeter
 - 3. Oil pressure
 - 4. Tachometer
 - 5. Transmission temperature
 - 6. DEF level
 - 7. Fault codes
 - 8. Parking brake
 - 2.5.2.4 Throttle shall be electronic push button.

Fuel Tank/Heaters

- 2.6.1 Fuel tank shall have a minimum capacity of one hundred (100) gallons.
- 2.6.2 Fuel heaters shall be fuel/water separator type in "Racon" or equivalent type configuration.

Suspension

- 2.7.1 Front air suspension shall be rated at 14,600 lbs.
- 2.7.2 Rear air suspension shall be rated at 21,000 lbs.
- 2.7.3 Both front and rear shall be "Hendrickson" or comparable type configuration.

BASIC MINIMUM SPECIFICATIONS – BUS BODY
60 PASSENGER TRANSIT SCHOOL BUS - TYPE D

Minimum specifications shall include all applicable Federal Motor Vehicle Safety Standards (FMVSS) and Code of Maryland Regulations (COMAR) for school buses in effect at the time of this bid. In addition, the bus(es) must meet the minimum bid specifications provided in this document.

Backup Alarm

2.8.1 Bus shall be equipped with audible back-up alarm warning system with a minimum of 107 decibel points.

Body

- 2.9.1 The bus shall be rear engine, ten (10) row sixty (60) special needs passenger with a 3-3 seating plan, Ricon lift, track seating for accommodating three (3) wheel chair position and Q'Straints deluxe retractor system (Q-8100-A1) that meets all state specifications, with 41 cubic inch transit style air conditioning units in the front and back of the bus.
- 2.9.2 The body length shall be a maximum of thirty three (33') feet and six (6") inches.
- 2.9.3 The wheel base shall be a maximum of one hundred and eight nine (189") inches.
- 2.9.4 The turning radius maximum requirement is thirty one (31') feet and 0 (0') inches.

Interior

- 2.10.1 The interior of all buses shall be blue or gray.
- 2.10.2 The headroom requirement will be seventy seven (77") inches.
- 2.10.3 The headliner will be full length perforated acoustic; constructed of sixteen (16) gauge cold rolled steel, primed on both sides and painted gray. Fiberglass insulation shall be installed between the interior and exterior roof panels at one and one half (1.5") inches in thickness. It shall include a protective filter covering on the side installed adjacent to the headliner.
- 2.10.4 There shall be two (2) 6-way "Specialty" roof hatches with interior and exterior handles for exit space and ventilation.
- 2.10.5 There shall be an interior mirror measuring ten (10") inches high by thirty (30") inches wide.

Child Reminder

- 2.11.1 Child checkmate reminder system shall be installed and activated with the operation of the red eight way lights and stop sign. This option may be removed from the specifications prior to the request for purchase.

Crossing Arm

- 2.12.1 Crossing arm shall be electrically operated, yellow blade, equipped with retention magnet and actuated simultaneously with stop arms.

Doors/Entrance

- 2.13.1 Doors shall be air controlled.
- 2.13.2 Handrails shall be constructed of stainless steel and mounted on both sides of entrance steps.
- 2.13.3 Step well shall be protected by an exterior skid plate with steps covered with pebble type treads and white nosing. Treads will match floor color.

Emergency Exits

- 2.14.1 One (1) left side mounted emergency exit door.
- 2.14.2 One (1) rear emergency push out window.
- 2.14.3 Four (4) push out passenger windows, configured two (2) on each side.

Emergency Equipment

- 2.15.1 Emergency equipment shall include the following:
 - 2.15.1.1 Fire extinguisher, five (5) pound dry type with spring friction type mounting bracket.
 - 2.15.1.2 Maryland State approved first aid and body fluid kits.
 - 2.15.1.3 Three (3) triangular reflectors with storage case.
 - 2.15.1.4 Three (3) flares with storage compartment.

Fenders/Mud Flaps

- 2.16.1 Buses shall be equipped with rubber fenders in both front and rear.
- 2.16.2 Buses shall also be equipped with rubber mud flaps at both front and rear.

Floor

- 2.17.1 Floor must be flat over rear wheels with no obstruction caused by wheelhouse in any manner that obstructs flat floor spacing.
- 2.17.2 Floor covering shall be slip resistant center aisle over marine grade plywood subfloor in accordance with COMAR Regulation 11:19:02.

Heating

- 2.18.1 Heating system shall consist of minimum 90,000 BTU front unit.
- 2.18.2 84,000 BTU under third seat.
- 2.18.3 50,000 under next to last seat behind the wheel.
- 2.18.4 Two (2) front windshield defrosters with six (6") inch defog fan.
- 2.18.5 With replacement filters for heaters.

Letters/Numbers

2.19.1. Buses shall be labeled "Baltimore City Public Schools" with minimum eighteen (18") inch numbers on the roof. Bus numbers on cowl, rear, side and driver's side bumper shall be six (6") inches high and one quarter (.25") inches thick. Bus numbers shall be in a five (5) digit format to be assigned by BCPS before delivery.

Lighting – Interior/Exterior

2.20.1 All lights, both interior and exterior, shall be LED type with the exception of the headlights.

2.20.2 Interior lights shall include:

- 2.20.2.1. Nine (9) dome lights, one (1) over the driver's seat and eight (8) over the seating rows, mounted in 4x4 fashion to the left and right of the center aisle. Buses with wheelchair lifts will require one (1) additional light.
- 2.20.2.2. One (1) dome light mounted in the step well wall.
- 2.20.2.3 Two (2) red lights, one (1) over the side emergency door and one (1) over the rear emergency push out window, activated with the clearance/marker light switch.
- 2.20.2.4 Exterior lights shall include:
 1. Four (4) side directional lights located on the belt line over both axles.
 2. Clearance lights will be recessed and shock mounted.
 3. Standard eight (8) way light configuration compliant with both State and Federal regulations.
 4. A sixteen (16) light monitor located in the driver's area.
 5. Bus shall be equipped with seven (7") inch stop, tail and back-up lights.

Mirrors

2.21.1 Mirrors shall be in compliance with FMVSS 111 and be electrically heated and remote controlled.

2.21.2 Cross view mirrors shall be contained in a separate assembly than the rearview mirror.

2.21.3 There shall be a ten (10") inch by thirty (30") inch interior mounted mirror in the front of the bus so the driver can monitor student activity.

Paint

2.22.1 Body paint shall be two component, baked on, bus yellow polyurethane paint for long lasting gloss and durability.

2.22.2 Roof paint shall be high gloss white urethane with a five (5) year warranty.

Radio

2.23.1 Radio shall be AM/FM stereo/PA with interior/exterior page system, with a minimum of eight (8) interior speakers and one (1) exterior speaker. Exterior speaker shall be recessed mounted.

Reflective Tape

2.24.1 Reflective tape shall be equipped with maximum allowed by Maryland law and Federal standards, including reflective school bus decals on the front and rear caps.

2.24.2 Two (2") inch wide around rear and along seat line on side of bus.

Seating

2.25.1 Seating shall include four (4) floor mounted C.E. White thirty nine inch (39") seats with two positions each integrating fold down pads that give access to lap and shoulder belts to accommodate a range of 20 lb. to 85 lb. students.

2.25.2 Seating shall also include four (4) thirty nine inch (39") track mounted seats with lap belts.

2.25.3 Seating shall include two (2) C.E. White seats mounted on the rear engine compartment with lap seat belts.

2.25.4 Seat upholstery shall be made with fire block material with seat fronts in blue and all seat backs in black.

2.25.5 Wheel chair restraints shall provide four (4) fifty (50") inch chair spaces using four (4) flanged floor mounted "L" type tracks, mounted parallel to wall and one (1) "L" track mounted to wall over passenger windows.

2.25.6 Driver's seat shall be high back, with a three (3) point seatbelt, one (1) armrest, with "Bostrom" or comparable type, air adjusted design.

Snow Rails/Skirt

2.26.1 Buses shall be equipped with a bottom snow rail. Exterior side skirting shall extend to a distance of approximately six (6") inches below the axle hub centerline.

Stop Arm

2.27.1 Buses shall be equipped with electrically operated, left front and left rear stop arms with dual flashing strobe lights.

Windows

2.28.1 Shall be laminated and tinted in a split sash configuration with a minimum twelve (12") inch opening. Tinting shall be maximum allowed by COMAR regulations. Full window length will be twenty eight (28") inch minimum height.

Windshield Wipers

2.29.1 Windshield wipers shall be dual motor, wet arm type with dual speed and intermittent wiper feature.

Air Conditioning

- 2.30.1 The air conditioning system shall have sufficient thermal exchange capacity adequate to maintain and inside temperature of seventy (70) degrees fahrenheit, plus or minus three degrees throughout the bus when the ambient temperature is one hundred (100) degrees fahrenheit and a relative humidity of eighty (80%) to ninety (90%) percent. The performance of the air conditioning system will be measured at the following locations four (4) feet above the centerline of the aisle with the exception of the driver's seat.
1. At midpoint of the bus.
 2. Over the rear drive axle.
 3. Driver's seat.
- 2.30.2 The bus shall be equipped with a split system air conditioning design with compressor and clutch assembly coupled with 1 one hundred and fifty (150) amp battery less alternator. The system shall contain 1 EM-17 evaporator and CM-5 condenser, fan blower assemblies and all associated controls. The evaporator shall mount in the rear of the bus above the rear exit window while the condenser shall be skirt mounted. The compressor shall be mounted in the engine compartment and be directly driven by a double "B" type banded belt from the engine crankshaft. The system shall be serviced with R-134A refrigerant. An hour meter is to be installed in the driver's side dash panel to monitor system operation time.
- 2.30.3 The compressor shall be a six (6) cylinder reciprocating type with a minimum thirty thousand (30,000) hour design life. Additionally, the compressor shall have at least three (3) years proven service in transit bus applications. The layout of the crankshaft shall be of a balanced design so as to minimize torque pulsations and cause minimum wear to engine and drive components. The oil pump shall additionally be self-priming and be capable of operating in either direction without the need for adjustment. The oil charge shall be at least seven (7) pints and oil level sight glasses shall be provided on both sides of the compressor. Use of discharge temperature switch or sensor shall not be permitted.
- 2.30.4 Ducting and evaporator case shall be steel factory installed and painted in conjunction with the interior of the bus. It shall be of adequate size and capable of distributing the airflow evenly throughout the bus. Fixed louvers shall be used. The use of removable louvers will not be accepted. Ducting shall be extended to the left of the drivers compartment as far forward as possible, to provide adequate cooling for the driver. Ducts must meet evenly with evaporator to capture full output volume of evaporator blowers. An intake air filter shall be provided on the face of the evaporator case. It shall be capable of being removed for routine cleanings with a minimal amount of fasteners. If a cover is used it shall be hinged. Condenser unit is to be skirt mounted and ducted to allow proper airflow across the condenser coils.

Maintenance and Training

- 2.31.1 The supplier must provide onsite maintenance staff training for five (5) BCPS employees on chassis and related components. Training should consist of twenty four (24) hours of training for each person, with a maximum of three (3) technicians per class. Training to be scheduled through BCPS, DOT, and Fleet Maintenance Management. No cost allowance shall be permitted.

Manuals and Tools

- 2.32.1 Supplier will provide the following with the delivery of the first bus:
- 2.32.1.1 Two (2) complete sets of, up to date, engine service manuals, printed and on CD- ROM (if available) or internet access, and PC software (if available). Must include trouble shooting, repair, and overhaul procedures. All must be in original document form, copies will not be accepted.
 - 2.32.1.2 Two (2) complete sets of, up to date, chassis service manuals, including electrical systems, printed and on CD-ROM (if available) or internet access, and PC software if available. All must be in original document form.
 - 2.32.1.3 Two (2) complete sets of, up to date, ABS system service manuals, printed and on CD-ROM (if available) or internet access, and PC software (if available). Manual must include troubleshooting, repair, and overhaul procedures. All must be in original document form.
 - 2.32.1.4 Two (2) complete sets of, up to date, service manuals on the Allison units provided, printed and on CD-ROM (if available) or internet access, and PC software (if available). Must be in original document form.
 - 2.32.1.5 Two complete sets of illustrated parts, chassis and body reference manuals or location books, with part numbers, printed and on CD-ROM (if available) or internet access. The manual shall provide user-friendly, accurate reference to all components in the unit. It shall rely primarily on expansive diagrams, photographs, cutaway drawings, and three dimensional renderings to allow proper parts identification. All must be in original document form.
 - 2.32.1.6 Four (4) complete sets of specialty tools, data link and/or engine diagnostic boxes to test and troubleshoot the engine control module and on board comport systems in original document form.
 - 2.32.1.7 Two (2) complete sets of, up to date, air conditioning system, service manuals, including electrical systems, printed and on CD-ROM (if available) or internet access, and PC software if available. All must be in original document form.
 - 2.32.1.8 If not included above, two (2) complete sets of, up to date, manuals for the driveline, differential and front and rear suspension.

SPECIAL CONDITION SPECIFICATIONS
48, 64/66 and 70 PASSENGER SCHOOL BUS – TYPE C
66 PASSENGER TRANSIT SCHOOL BUS – TYPE D

Warranties:

- 3.1.1 General: Vendor shall assure that all manufacturer's and sub-contractors' guarantees and warranties apply and shall be submitted in writing and accompany the bid response.
- 3.1.2 Warranty: the following minimum warranty levels shall apply regardless of manufacturer including any and all labor, parts and workmanship.
- 3.1.3 Chassis and Body: Three (3) years from the date of in-service, unlimited mileage bumper to bumper.
- 3.1.4 Engine: Five (5) years from date of in-service, unlimited mileage complete engine including engine electronics. Warranty will repair or replace any internally lubricated part or parts including the fuel injection pump, injectors, and water pump. Warranty shall also include all engine electronics components, glow plugs, glow plug relay and harness, harnesses and connectors, engine control systems, IDM, ECM, power relays, injectors, connectors, all engine sensors, and all engine modules. Towing of vehicle will be paid by successful bidder under warranty terms for warranty work at appropriate repair location.
- 3.1.5 Transmission: Five (5) years from date of in-service, unlimited mileage warranty and engine hours. Warranty will repair or replace any parts, including electronics or whole transmission that proves defective in normal use. Towing of vehicle will be paid by successful bidder under warranty terms for warranty work at appropriate repair location.
- 3.1.6 ABS Brakes: Three (3) years from in-service date, unlimited mileage. Warranty will repair or replace all electronic components, including brake valves and tone rings for ABS system.
- 3.1.7 Other Major Components: Three (3) years unlimited mileage and engine hours from in-service date. Warranty will repair or replace any the following major components that fail or prove to be defective in normal use:
 - 3.1.7.1 Driveline, rear axle and differential (except brakes, axle shaft, controls), front axle assembly (except brakes), and cross member, brackets, suspension (except pins and brushings) and radiator. Air Compressor, Power Steering, Pump, starter, air charge cooler, steering Gear box, body and chassis electrical system, including wiring – Warranty will repair or replace any internally lubricated part or parts that prove defective in normal use.
 - 3.1.7.2 Towing of vehicle will be paid by successful bidder under warranty terms for warranty work at appropriate repair location.
 - 3.1.7.3 The successful contractor(s) shall provide authorization to perform warranty reimbursement work that shall include, but not limited to reimbursement for parts and labor.
- 3.1.8 Warranty requirements, in the event there is a recall or "field fix", which involves all or some units, the LEA reserves the right to require the warranty work to be performed at our locations.
- 3.1.9 In any event where warranted parts are replaced by the LEA mechanics at LEA facilities, the contractor shall reimburse the LEA at the published manufacturers "Flat Rate Manual" at the current manufacturer Dealer's Posted labor rate. This also applies to any manufacturers "recall" service performed by LEA personnel. All said work shall be coordinated and approved by the respective manufacturer's service liaison representative in a reasonable and timely manner.

Parts and Service Manuals:

- 3.2.1 A "Parts and Service Manual" shall be provided. Electronic versions are acceptable and preferred. Service manuals shall include chassis, body, engine, brakes and any other major components not specifically addressed in chassis or body manual.
 - 3.2.1.1 Operator's Manual for each vehicle (minimum of one copy per bus)
 - 3.2.1.2 Shop Manuals - CD Rom is preferred (one copy per each bus type per LEA)
 - 3.2.1.3 Parts Manuals - CD Rom is preferred (one copy per each bus type per LEA)
 - 3.2.1.4 Body and Chassis Wiring Schematics – CD Rom is preferred (one copy per each bus type per LEA)
- 3.2.2 Internet access to manufacturer's service information database to be made available to the Board at no additional cost.
 - 3.2.2.1 Shall have access to websites (for 18 usernames and passwords or licenses) for Parts, Wiring, schematics, vehicle repair, and Diagnostic support (i.e. Online-ISIS (Intl), Thomas/Freightliner/Detroit (engines), Thomas Body, etc.) and shall be the most recent Dealership/Fleet format available and any updates for and throughout the bus life or 12 year period.

Service:

- 3.3.1 Bidders must be a factory authorized dealer or distributor of the item(s) offered in the bid. They must maintain a business that incorporates an on-site service, maintenance, and warranty repairs and parts department with delivery capabilities. The business must include therein a staffed parts department with an inventory of parts described below. The OEM must have an authorized repair facility located within a 40-mile radius of school system and capable of providing service within 24-hours of notification. Each bidder must explain how they will service each individual school system. (Must provide the name and location of the designated service center(s) for warranty/service repairs)
- 3.3.2 Technical advice regarding mechanical, operational, or parts problems must be provided by the dealership as needed. A detailed service invoice shall be furnished for all warranty work provided by the dealership at the time of vehicle pick up from dealership.
- 3.3.3 Coordination and transport of vehicles from their location to third party locations for repair work beyond their scope of work is to be borne by the authorized repair location.

Training:

- 3.4.1 Awarded Bidder(s) shall be responsible for facilitating factory-authorized training, as required per item. Provide service training to LEA technicians relative to operation, maintenance and diagnostic procedures for the current model year diesel engine, automatic transmission, and multiplex wiring provided.
- 3.4.2 Training shall take place at a LEA designated facility and will consist of a minimum of eight hours of training.
- 3.4.3 The type of training required and the dates and location of training shall be coordinated with a representative of the LEA Office of Transportation upon delivery of completed buses to LEA.
- 3.4.4 Training material provided to satisfy the above requirements shall be at no charge to LEA.

Preparation Service:

Contractor shall perform the following services before any vehicle is delivered:

- 3.5.1 Complete Chassis Lubrication.
- 3.5.2 Pre-delivery inspection and service on chassis.
- 3.5.3 All fluid levels to be checked and topped off.
- 3.5.4 Vehicle is to be washed, including the interior of the vehicle.
- 3.5.5 Contractor shall provide all chassis service work required by the manufacturer in the event of a "Recall". Service shall be performed at the nearest authorized dealer facility. Expense of labor and materials will be assumed by the dealer providing the vehicles.
- 3.5.6 Contractor shall, for the final delivery, attach a signed certificate to the vehicle stating that services specified herein have been performed, and the inspection indicates the vehicle complies with all federal and state regulations.

Section C

Bus Option Specifications

AIR CONDITIONING SPECIFICATIONS (OPTION)
48, 64/66 AND 70 PASSENGER SCHOOL BUS - TYPE C

Air Conditioning System:

Passenger A/C Minimum Specification:	48	64/66	70/72
Front System Type	Bulkhead and Dash	Bulkhead and Dash	Bulkhead
Rear System Type	Bulkhead	Bulkhead	Bulkhead
Front System BTU's	30,000	Approx 70,000 combined	62,000
Rear System BTU's	55,000	62,000	62,000

- 4.1.1 Brand to be Mobile Climate Control (Carrier) or approved equal. The front A/C unit shall be integrated within the dashboard and utilize the factory-installed dash vents, defroster outlets, and HVAC control panel (may use aftermarket control panel if OEM is not available). There shall also be a front bulkhead unit installed. The dashboard unit and front bulkhead A/C unit shall use the same compressor. The rear A/C unit shall be mounted in or on the rear bulkhead, have its own separate control panel and compressor. Both systems should be able to operate independently of the other.
- 4.1.2 Cooling Capacity - meeting the following performance standards:
- 4.1.2.1 From startup, the interior of the bus must be 20 degrees F cooler than the ambient temperature within 30 minutes and maintain the temperature for as long as the bus is in operation.
- 4.1.2.2 Cabin temperature, measured in any seat level position in the bus, shall be within 2 degrees F from the cabin average temperature 30 minutes after the startup.
- 4.1.3 Rear evaporator:
- 4.1.3.1 The rear evaporator unit is to be mounted in or on the rear bulkhead of the bus, above the emergency exit door.
- 4.1.3.2 The BTU rating shall match the performance standard specified above.
- 4.1.3.3 Rear evaporator blower motor shall be dual wheel, double inlet, with three (3) speeds. The total air flow shall be a minimum of 1,600 CFM on highest speed setting.
- 4.1.3.4 Rear evaporator shall have aluminum housing and an integrated drain pan with a minimum 30-degree tilt to prevent condensation overflow.
- 4.1.3.5 Rear evaporator shall have high-efficiency air outlets with adjustable louvers and a detachable finger guard.
- 4.1.3.6 Air filter to be electrostatic-type, washable and reusable.
- 4.1.3.7 Rear evaporator shall have dual ½ inch I.D. drain hoses.
- 4.1.3.8 All interior covers and panels shall utilize fire retardant materials meeting the FMVSS 302 specifications.
- 4.1.3.9 Expansion valve shall be externally equalized and have four (4) ton minimum rating (no block valve).
- 4.1.4 Control panel, rear evaporator:
- 4.1.4.1 Mounted on the panel at the left side of the driver's seat, within easy reach of driver.
- 4.1.4.2 Fan switch: Rotary knob-type switch, to include off position and three (3) fan speeds.
- 4.1.4.3 Thermostat: Rotary knob-type switch, and shall include compressor clutch cycling protection.
- 4.1.5 Condensers:
- 4.1.5.1 To be mounted on left skirt of bus behind battery box.
- 4.1.5.2 Grille panel to be painted National School Bus Yellow (as required by COMAR).
- 4.1.5.3 BTU rating to match performance standard specified above, at 95 degree F outside ambient air temperature.
- 4.1.5.4 Three (3) 10-inch low-profile surface-mount electric fans enclosed within the condenser housing, with a minimum air flow rating of 2,400 CFM.
- 4.1.5.5 Air flow shall be pulled through condenser coil and distributed towards the center of the vehicle.
- 4.1.5.6 Integral high/low pressure cutout switches to be wired into compressor clutch circuit; high-pressure switch to be automatically resettable.
- 4.1.5.7 Sight glass to include an integral moisture indicator and an inline filter drier assembly.
- 4.1.6 Hoses:
- 4.1.6.1 All refrigerant hoses, fittings, and clamps shall meet or exceed SAE Specification J2064 Type D.
- 4.1.6.2 Refrigerant hoses to include nylon (vinyl)-based thermoplastic inner liner reinforced with a dual layer of textile yarn and covered with a synthetic elastomer.
- 4.1.6.3 Fittings shall be O-ring type with clip-and-cage design, and shall be corrosion resistant.
- 4.1.7 Refrigerant: R-134A only (no exceptions).

- 4.1.8 Compressors:
 - 4.1.8.1 Dual compressors; minimum displacement 13 cubic inches (each).
 - 4.1.8.2 Seltic brand, Model TM21, or approved equal.
 - 4.1.8.3 To match performance standard specified above.
 - 4.1.8.4 Compressor mount to be designed and supplied by the air conditioning or OEM manufacturer.

- 4.1.9 Electrical:
 - 4.1.9.1 All wiring and electrical controls shall meet SAE J1292 and related specifications.
 - 4.1.9.2 To include individual circuit protection for all motors.
 - 4.1.9.3 All external components shall be waterproof and protected with anti-corrosion electrical spray.
 - 4.1.9.4 Total system amperage shall be rated @ 13.5 volts DC.
 - 4.1.9.5 Must be compatible with existing bus electrical system and components.
 - 4.1.9.6 Wiring for the air conditioning system must be adequate to withstand the transient electrical loads encountered.
 - 4.1.9.7 Circuits to be protected with fuses, breakers, and thermal relays.
 - 4.1.9.8 All wiring to be adequately secured and protected from chafing.
 - 4.1.9.9 All components shall be reasonably accessible for diagnosis, maintenance, and repair.

- 4.1.10 Warranty: Two (2) years with unlimited mileage; to cover fittings, installation-related failures, and all components and hardware (compressor, evaporator, condenser, housing, etc.). A written copy of the manufacturer's warranty shall be provided with the bid.

- 4.1.11 Manuals and service information:
 - 4.1.11.1 Service and parts manual for the A/C unit shall be provided in print form or on CD-ROM at LEA discretion, quantity 3.
 - 4.1.11.2 Internet access to manufacturer's service information database to be made available to LEA's at no additional cost (if applicable).
 - 4.1.11.3 Internet access to above information is acceptable in lieu of the CD's requested, as long as such information is available.
 - 4.1.11.4 Manufacturer shall provide in-service training at LEA location, covering component operation, troubleshooting procedures, and maintenance of the unit.
 - 4.1.11.5 Manufacturer shall certify and authorize LEA personnel to perform on-site warranty work as required. LEA shall be reimbursed for all parts or components that are replaced under warranty at their locations(s)

WHEELCHAIR SPECIFICATIONS – ADA COMPLIANT
48, 64/66 AND 70 PASSENGER FLAT FLOOR SCHOOL BUS - TYPE C
OPTION

Flat floor requires air suspension (rear), low profile tires, air compressor system, defined rear heater location

Wheel Chair Lift:

- 5.1.1 Shall operate with key on and off
- 5.1.2 Wheelchair lift shall be installed in right rear side (curb side) of body behind right rear wheels as specified by the LEA. Door shall provide 42" clear opening width and 60" clear opening height.
- 5.1.3 Operated by an electric motor-driven hydraulic pump. The hydraulic unit shall be Braun NL919FIB or Ricon "5000" series. Lift to be determined by LEA.
- 5.1.4 Shall have minimum 800 lb. lifting capacity.
- 5.1.5 Platform area minimum 32" wide x 48" long.
- 5.1.6 The platform shall be automatically folded and unfolded and fully automatic in operation. Shall have automatic inboard and outboard roll stop.
- 5.1.7 Lift motor box location shall be determined by the LEA.
- 5.1.8 Control box shall be mounted on interior of lift gate door.
- 5.1.9 A manual override back-up pump shall be provided for the operation of the lift in the up and down mode in the event of power failure to the electric pump.
- 5.1.10 Power supply to lift shall be protected at source by appropriate fuses or circuit breakers.
- 5.1.11 Power lift platform and ramp surface shall be of nonskid material.
- 5.1.12 Ramp shall have 32" clear width for clearance for wheels on wheelchair.
- 5.1.13 Clearance of 2" minimum must be maintained between the lift and the door in the stowed position.
- 5.1.14 All power supply cables to lift shall be protected by grommets where they pass through any sheet metal or any area where chaffing might occur.
- 5.1.15 Manufacturer's manual shall be supplied at no charge for the hydraulic lift.

Lift Door:

- 5.2.1 A header pad at least 4" in height shall extend across the full width of the door and meet the same criteria as the pad over the emergency door.
- 5.2.2 Single door only. A three point fastening device (slide bar or rod, cam activated, and fastened to the header, floor and jamb) shall be used. Door shall be hinged at forward side. An exterior latch shall be provided to fasten door open.
- 5.2.3 An audible alarm shall operate as the handle is released and shall continue to operate until the door is slightly open. A flashing indicator light shall operate on the switch panel in the driver's compartment at any time the lift door is open while the ignition is on.
- 5.2.4 Door shall be manually operated.
- 5.2.5 Door shall contain a window aligned with lower line of other windows of vehicle and approximately the same size as other vehicle windows.
- 5.2.6 Door posts and headers shall be reinforced sufficiently to provide support and strength equivalent to that of other doors.
- 5.2.7 The lift door must have hinges with grease fittings.
- 5.2.8 Lift operating instructions shall be placed on inside of lift door.
- 5.2.9 Shall have handrails on both sides.
- 5.2.10 Shall have no overhead header bar.
- 5.2.11 Device shall be installed which will be used to prevent operation of lift until doors are opened.
- 5.2.12 A recessed light shall be placed inside vehicle, over lift door, and shall operate by COMAR standards.

Track/Seating:

- 5.3.1 Wheelchair restraints shall fit floor tracking provided in the bus.
- 5.3.2 Equipped with L track restraint system. The bus shall be equipped with a marine grade plywood floor with flush mount "L" track installed. Two tracks for the wheelchair restraint system shall be installed at a distance of nine (9) inches parallel to seat tracks on both sides of bus (four (4) total tracks).
- 5.3.3 The aluminum "L" tracks shall be treated or coated to prevent corrosion. There shall be a plastic insert or comparable insulator installed between the floor and the aluminum "L" track to prevent direct contact with each other.
- 5.3.4 Bolts used to fasten the track to the floor shall be treated or coated to prevent galvanic corrosion of the track.
- 5.3.5 Track system shall be on the upper wall above the window the same length as the floor tracking.
- 5.3.6 Recessed floor tracks are to be installed such that either seats or wheelchair restraints can be placed at any interval along the track.

- 5.3.7 The floor space between the front modesty panels and the rear of bus shall measure minimum 250 inches (which may vary depending on the length of bus).
- 5.3.8 Seating Configuration to be determined by LEA

ADDITIONAL OPTIONS SPECIFICATIONS

Options must be installed by the bus manufacturer or vendor prior to delivery of the bus. Not all options are available for all sizes and/or models of buses and are subject to change.

ABS Air Brake System

- 6.1.1 Four wheel brakes, adequate at all times to control bus when fully loaded shall be provided.
- 6.1.2 Vehicles shall be equipped with a safety valve to protect against excessive air pressure.
 - 6.1.2.1 An illuminated air gauge on the instrument panel to register pressure in the air system
 - 6.1.2.2 An audible and visual low-pressure indicator to warn the operator when the pressure falls below 60 pounds per square inch.
- 6.1.3 All air tanks shall be equipped with automatic electric heated drain valves.
- 6.1.4 Brake lines to be color-coded with quick-connect fitting.
- 6.1.5 Brake lining material shall meet the standards of Vehicle Equipment Safety Commission Regulations. The minimum brake lining should be 16.5 x 7 inches, rear, and 16.5 x 5 inches front.
- 6.1.6 Each brake drum shall be permanently and plainly marked to clearly indicate in legible cast or stamped legend, the maximum safe diameter of the drum
- 6.1.7 AD-IP Cartridge Type Bendix Westinghouse air dryer with heater.
- 6.1.8 A manual control shall be installed in the driver's compartment in such a position and location as to be readily available to the driver for emergency stopping or parking.
- 6.1.9 Rear air chambers to be mounted in front of rear axle.
- 6.1.10 Brake stoplight switch shall be air actuated.

Child Reminder System

- 6.2.1 Bus shall be equipped with a child reminder system: Model CRS2A or approved equal.

Storage Compartment

- 6.3.1 Small under frame storage compartment with door need right rear tire for storage of wheel chocks. approximate size should be 13"hHx15"Dx25"W.

Heater

- 6.4.1 Webasto TSL 17 Preheater installed on left frame rail using Webasto frame mounting kit as close as practical to the engine compartment. Unit shall have a two (2) year warranty. Unit shall be installed with recommended circuit protection and installation procedures. Timer shall be Webasto NOI (No Operator Interface) P/N 5001318A or approved equal. Timer shall be installed in the electrical panel on the left outside side of the bus (if provided) or at an agreed upon location in the absence of an electrical access door. Any alternate location shall be protected from the weather elements, not visible to the driver, and convenient for technician access for programming purposes. Timer shall be installed using the recommended circuit protection. All wires and hoses associated with the heater and timer installation shall be secured and routed or insulated in such a way as to prevent chaffing. The unit shall be plumbed in such a way that the heated water passes first through the engine to maximize the benefit for cold starting and the efficient operation of emissions equipment.

Interior Panels

- 6.5.1 Modesty panel installed below front barriers.
- 6.5.2 Interior trim panels shall be provided from bottom window line to seat rail and shall be unpainted, embossed, aluminized steel.

Keybox

- 6.6.1 Key box shall be GE-Supra 2-key permanent key box. The location of key box will be determined during a review of pilot model inspection. (SUPRA – 1-800-225-2974)

Outside Storage/Luggage Compartment

- 6.7.1 Single door compartments – left side (1) 50" L x 20" H, right side (1) compartment 90" L x 20" H with (2) doors. Compartments should include locks that are master-keyed alike on all units order.

Strobe Light

- 6.8.1 Flashing White Strobe Light:
 - 6.8.1.1 Shall be installed on the roof, mounted between the rear of the bus and the roof hatch in the center of the bus, as close as possible to rear of bus (located in last roof panel).
 - 6.8.1.2 Shall have a single clear lens emitting 360 degrees around it vertical axis with a minimum 10-jewel light power.
 - 6.8.1.3 Strobe light shall operate whenever 8 light warning system is in use.

Seating

- 6.9.1 All seats shall be equipped with FMVSS seat belt ready seats. No child carrier seats will be located next to emergency windows.

Sun Shield

- 6.10.1 Additional visor of the same type shall be installed on the roadside window above the driver's sash assembly. The length of the sun shield brackets will be such that the shields provide coverage to the top of the windows and then pivot 180 degrees on the brackets to provide coverage of a total of 12 inches down from the top of the window.

Windshield and Windows

- 6.11.1 All bus body windows, to include the side windows, the drivers sash window, the service door, and the rear glass is to be tinted to the maximum allowable percentage under Maryland law.

Wiring

- 6.12.1 20-amp junction box to provide 2-way radio hook-up and should be ignition hot. Also provide in-dash location to install 2-way radios.

Diagnostic Materials:

- 6.13.1 Diagnostic Material: If requested and selected in option by the LEA, the successful vendor(s) shall be required to provide the following personal computers with OEM diagnostic software and any necessary cables and adapters to connect with a laptop/PC configuration. All manufacturers and models offered shall require approval by the individual school system. Setup of laptops and installation of software to be coordinated through the LEA IT Department. Contact person to be named after contract award.

Specifications: Laptop Computers for Diagnostic Repairs: Panasonic Toughbook 30 or approved equivalent

**80 GB HDD	1 GB SDRAM minimum
Intel Core Duo Processor L2400	2 nd Battery Pack for Multi-Media Bay
2 MB L2 cache	Combo Drive (DVD-ROM/CD-RW)
Processor speed 1.66 GHz	3 Year Warranty Parts & Labor
SP2 667 MHz FSB	

Software to compatible with existing jurisdiction's operating system (i.e. Windows XP, Windows 7)

Wheelchair Options

- 6.14.1 Seat: Safeguard IMMI Integrated Child Seats or C.E. White Seats, to match color of other upholstery in bus and each seat shall have two ICS and two integrated three-point shoulder belts. Each seat should be equipped with two sets of lower anchor attachment points to accommodate aftermarket infant car seats.
- 6.14.2 Seat Belts: The seat belts will be paired by color so that the sets on each seat are of a different color. The female end of the belt shall not be more than 2 inches (2") from seat back.
- 6.14.3 Flat Floor: The bus shall have flat floor without wheel wells. There shall be no step between the driver's area and the passenger's compartment.

Communications

- 6.15.1 Contractor shall install buyer provided Motorola XTL 5000 O5 Mobile Digital Radio 764-870 MHz (No Exceptions) set to the appropriate county frequency and talk group.

Cameras

- 6.16.1 Contractor shall provide and install Angel Trax (AT) Hybrid Quest – 4 CH Mobile DVR Digital Camera System with (4) infrared cameras, GPS Mapping; AT Model Hybrid Quest – 4 CH Mobile DVR Digital Camera System (no substitution).
- 6.16.2 The camera placements shall be as follows:
1. Above driver and pointed toward service door/stairwell (RC 2500 Model)
 2. In the front of the bus approximate center the width of the bus and pointed toward the interior of the bus from the front to the back of the bus (FC 6000 Model)
 3. On the passenger side approximately 1/3 of the way back and pointed towards the seats on the opposite side of the bus (RC 2500 Model)
 4. On driver's side approximately 3/4 of the way back and pointed toward the remaining (4) seats, as well as, the lift door (RC 2500 Model).
 5. Location of camera needs to be approved prior to installation.

Zonar Ground Traffic Control System

- 6.17.1 Install Zonar Ground Traffic Control System current model # EVIR GSM – **NO EXCEPTIONS.**
- 6.17.2 Control box is to be mounted completely out of sight. Antenna and power cables are to be located as per instructions supplied with the unit. All power and antenna cables are to be routed in such a manner to prevent damage during routing usage of vehicle. Hand held unit is to be mounted within drivers reach.
- 6.17.3 Zonar System is to have a **ten (10) year** subscription.
- 6.17.4 Contact Information: ZONar Systems, 18200 Cascade Avenue S., Seattle, WA 98188-4728 (206) 878-2459

Section D Bid Forms

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - 48 PASSENGER - TYPIC C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Base Bid - 48 Passenger School Bus - Type C	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Options:								
ABS Air Brake System	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Replaceable spin-on-type filter with replaceable element	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
100 Gallon fuel tank	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Driver Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Service Door (curb) Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
OEM in-block electric heater with bumper mounted plug-in receptacle	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete Emergency escape audible alarm	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tilt/Telescopic Steering Wheel	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tire Options - List Tire Upcharge:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Description - Make/Model/Size	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Air Conditioning	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Adjustable Brake/Accelerator Pedals	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Floor Mounted Hand Operated Parking Brake Control	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - 48 PASSENGER - TYPIC C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Air Compressor w/Air Dryer	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Child Reminder System - Model CRS2A	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Storage Compartment - 13"Hx15"Dx 25"W	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tinted Glass (28% light transmission)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Heater - Wabasto TSL 17	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Interior/Modesty Panels - below both front barriers	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Keybox - GE-Supra 2-key Permanent Key Box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete - Radio	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Outside Storage/Luggage Compartment	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Service Door - Electric	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Strobe Light - Flashing White - Roof Mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Driver Seat - High back, Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seating Configuration	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-2	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-3 seating w/integrated safety seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seat Belt Ready Seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Shoulder Rail Pad (installed full length of seating area)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Stop Arm - Octagon-shaped w/strobing LED lights - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Electric Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Sunshield - Roadside window above driver's sash assembly	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear window wide angle lens	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
20-amp junction box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5, SCHOOL BUSES - FORM OF PROPOSAL - 48 PASSENGER BUS W/FLAT FLOOR, WHEELCHAIR LIFT AND AIR CONDITIONING - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Base Bid - 48 Passenger School Bus w/Flat Floor, Wheelchair Lift and Air Conditioning - Type C	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Options:								
ABS Air Brake System	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Replaceable spin-on-type filter with replaceable element	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
100 Gallon fuel tank	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Driver Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Service Door (curb) Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
OEM in-block electric heater with bumper mounted plug-in receptacle	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete Emergency escape audible alarm	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tilt/Telescopic Steering Wheel	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tire Options - List Tire Upcharge:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Description - Make/Model/Size	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Air Conditioning	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Adjustable Brake/Accelerator Pedals	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Floor Mounted Hand Operated Parking Brake Control	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5, SCHOOL BUSES - FORM OF PROPOSAL - 48 PASSENGER BUS W/FLAT FLOOR, WHEELCHAIR LIFT AND AIR CONDITIONING - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Air Compressor w/Air Dryer	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Child Reminder System - Model CRS2A	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Storage Compartment - 13"Hx15"Dx 25"W	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tinted Glass (28% light transmission)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete - Emergency Windows (2) - (One on each side)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Heater - Wabasto TSL 17	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Interior/Modesty Panels - below both front barriers	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Keybox - GE-Supra 2-key Permanent Key Box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete - Radio	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Outside Storage/Luggage Compartment	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Service Door - Electric	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Strobe Light - Flashing White - Roof Mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Driver Seat - High back, Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seating Configuration	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-2	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-3 seating w/integrated safety seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seat Belt Ready Seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Shoulder Rail Pad (installed full length of seating area)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Stop Arm - Octagon-shaped w/strobing LED lights - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Electric Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Sunshield - Roadside window above driver's sash assembly	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear window wide angle lens	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
20-amp junction box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES- FORM OF PROPOSAL - 64/66 PASSENGER - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Base Bid - 64/66 Passenger School Bus - Type C	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Options:								
ABS Air Brake System	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Replaceable spin-on-type filter with replaceable element	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
100 Gallon fuel tank	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Driver Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Service Door (curb) Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
OEM in-block electric heater with bumper mounted plug-in receptacle	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete Emergency escape audible alarm	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tilt/Telescopic Steering Wheel	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tire Options - List Tire Upcharge:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Description - Make/Model/Size	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Air Conditioning	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Adjustable Brake/Accelerator Pedals	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Floor Mounted Hand Operated Parking Brake Control	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES- FORM OF PROPOSAL - 64/66 PASSENGER - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Air Compressor w/Air Dryer	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Child Reminder System - Model CRS2A	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Storage Compartment - 13"Hx15"Dx 25"W	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tinted Glass (28% light transmission)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Heater - Wabasto TSL 17	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Interior/Modesty Panels - below both front barriers	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Keybox - GE-Supra 2-key Permanent Key Box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete - Radio	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Outside Storage/Luggage Compartment	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Service Door - Electric	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Strobe Light - Flashing White - Roof Mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Driver Seat - High back, Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seating Configuration	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-2	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-3 seating w/integrated safety seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seat Belt Ready Seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Shoulder Rail Pad (installed full length of seating area)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Stop Arm - Octagon-shaped w/strobing LED lights - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Electric Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Sunshield - Roadside window above driver's sash assembly	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear window wide angle lens	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
20-amp junction box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - 70 PASSENGER - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Base Bid - 70 Passenger School Bus - Type C	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Options:								
ABS Air Brake System	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Replaceable spin-on-type filter with replaceable element	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
100 Gallon fuel tank	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Driver Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Fuel Filler Cap - Service Door (curb) Side	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
OEM in-block electric heater with bumper mounted plug-in receptacle	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete Emergency escape audible alarm	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tilt/Telescopic Steering Wheel	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tire Options - List Tire Upcharge:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Description - Make/Model/Size	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
_____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Air Conditioning	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Adjustable Brake/Accelerator Pedals	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Floor Mounted Hand Operated Parking Brake Control	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - 70 PASSENGER - TYPE C

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Air Compressor w/Air Dryer	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Child Reminder System - Model CRS2A	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Storage Compartment - 13"Hx15"Dx 25"W	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Tinted Glass (28% light transmission)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Heater - Wabasto TSL 17	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Interior/Modesty Panels - below both front barriers	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Keybox - GE-Supra 2-key Permanent Key Box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Delete - Radio	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Outside Storage/Luggage Compartment	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Service Door - Electric	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Strobe Light - Flashing White - Roof Mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Driver Seat - High back, Air Suspension	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seating Configuration	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-2	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard 3-3 seating w/integrated safety seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Seat Belt Ready Seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Shoulder Rail Pad (installed full length of seating area)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Stop Arm - Octagon-shaped w/strobing LED lights - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Air Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Crossing Arm - Electric Operated	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Sunshield - Roadside window above driver's sash assembly	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Rear window wide angle lens	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
20-amp junction box	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5, SCHOOL BUSES - FORM OF PROPOSAL - 60 PASSENGER TRANSIT

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Base Bid - 60 Passenger Transit School Bus - Type D	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Options: (Please list any available options)								
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP14T5, SCHOOL BUSES - FORM OF PROPOSAL - WHEELCHAIR OPTIONS

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
WheelChair Options:								
Seat Belt Ready Seats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Flat Floor without Wheel Wells	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Track Seating								
Cost for track installed (per foot)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Cost for seat (each):								
Integrated child restraint w/2 position w/o lap/shoulder belt bolt mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Integrated child restraint w/2 position w/o lap/shoulder belt track mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Integrated child restraint w/1 position w/o lap/shoulder belt bolt mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Integrated child restraint w/1 position w/o lap/shoulder belt track mounted	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard bolt mounted 39" non-track seat (seat-belt ready)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Track-mounted 39" seat (seat-belt ready)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Standard bolt mounted 30" non-track seat (seat-belt ready)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Track-mounted 30" seat (seat-belt ready)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Cost for standard lap belt installed	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Cost for wheelchair restraints (each) – Q-Straint manual or automatic - type to be determined by LEA	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Cost for 40,000 BTU right rear heater (wall-mounted or floor-mounted to be determined by LEA)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Cost for 40,000 BTU left rear heater (wall-mounted or floor-mounted to be determined by LEA)	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - SPECIAL CONDITIONS

		Quantity							
		1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Special Condition Options									
Warranties									
Chassis and Body -	5 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	8 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Engine -	5 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	8 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Transmission -	8 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
ABS Brakes -	8 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Other Major Components -	5 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
	8 Year Option	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Parts and Service Manuals:									
<u>Diagnostic Software:</u>									
Engine -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Transmission -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Anti-Lock Brake -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Body -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Body Control Module -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
<u>Repair Procedures Software:</u>									
Engine -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Transmission -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Anti-Lock Brake -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Body -	Price Per Copy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Diagnostic Materials - Laptop Computer		\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5 SCHOOL BUSES - FORM OF PROPOSAL - SPECIAL CONDITIONS

Quantity							
1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400

Miscellaneous

Provide a list of all available safety items that the manufacturer offers and their associated costs which are not included in these bid specifications

RFP 14T5, SCHOOL BUSES - FORM OF PROPOSAL - ADDITIONAL OPTIONS

	Quantity							
	1 - 50	51 - 100	101 - 150	151 - 200	201 - 250	251 - 300	301 - 350	351 - 400
Additional Options								
Digital Camera System - Angel Trax (AT) Hybrid Quest - 4 CH Mobile DVR w/(4) infrared cameras, GPS Mapping	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Install buyer provided Motorola XTL 5000 O5 Mobile Digital Radio	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Install ZONAR Ground Traffic Control System - Model #EVIR GSM	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

RFP 14T5, SCHOOL BUSES

SIGNATURE ACKNOWLEDGING COST PROPOSAL

Note: When submitting your bid/proposal, please use this page as a cover sheet for your bid/proposal.

In compliance with your invitation for bidders, the undersigned proposes to furnish and deliver all labor and materials in accordance with the accompanying specifications and "Instructions and General Conditions" for the price as listed on the enclosed Proposal Sheet(s).

I/We certify that this bid/proposal is made without previous understanding, agreement, or connection with any person, firm, or corporation submitting a bid/proposal for the same goods/services and is, in all respects fair and without collusion or fraud; that none of this company's officers, directors, partners or its employees have been convicted of bribery, attempted bribery, or conspiracy to bribe under the laws of any state or federal government; and that no member of the Board of Education of Frederick County, Administrative or Supervisory Personnel or other employees of the Frederick County Public Schools, has any interest in the bidding company except as follows:

COMPANY: _____

dba: _____

REGISTERED MARYLAND CONTRACTOR NUMBER: _____

FEDERAL IDENTIFICATION: _____ DATE: _____

The undersigned has familiarized themselves with the conditions affecting the work, the specifications, and is legally authorized to make this proposal on behalf of the Contractor listed above.

NAME (please print): _____

SIGNATURE OF ABOVE: _____

TITLE: _____

ADDRESS: _____

TELEPHONE # _____ FAX # _____

E-MAIL ADDRESS (for correspondence): _____

E-MAIL ADDRESS (for receiving Purchase Orders): _____

(DO NOT COMPLETE THIS AREA IF YOUR COMPANY IS UNABLE TO RECEIVE PURCHASE ORDERS ELECTRONICALLY)

ACKNOWLEDGMENT OF ADDENDA (if applicable)

The above-signed company/firm acknowledges the receipt of the following addenda for the above-referenced solicitation.

Date Received by Proposer/Bidder:

Addendum #1	_____	Addendum #3	_____
Addendum #2	_____	Addendum #4	_____

RFP 14T5, SCHOOL BUSES
FREDERICK COUNTY PUBLIC SCHOOLS
MINORITY BUSINESS ENTERPRISE INFORMATION

THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL.

1. Is the company a certified Minority Business Enterprise (MBE) with documented certification from the Maryland State Department of Transportation (MDOT)? _____
If yes, provide certification number: _____
2. Is the company a registered/certified MBE by any other state or local governmental agency? If yes, provide type of certification, certifying agency, and certification number below. (Copies of certificates may be attached.)

<u>Type</u>	<u>Issuing Agency</u>	<u>Certification No.</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. If applicable, circle the group(s) which qualifies the company as a minority business enterprise.

African-American Hispanic American-Indian Asian Women

Disabled Other: _____

[Note: MBE means any legal entity except a joint venture, that is (a) organized to engage in commercial transactions, (b) at least 51% owned and controlled by one or more individuals who are members of a group that is disadvantaged socially or economically, as noted above.]

4. Would the company be considered a Minority Business Enterprise due to the majority (51% or greater) of the board of directors/company officers being a member(s) of any of the following groups? ____ If yes, indicate by circling the group(s) to which the member(s) of the board/officers belong.

African-American Hispanic American-Indian Asian Women

Disabled Other: _____

5. If the company is not a Maryland certified MBE, please describe the plan for utilization of minority suppliers or subcontractors to accomplish any portion of the work.

Name (Please Print)

Title

Signature of Above

Date

Company

RFP 14T5, SCHOOL BUSES
FREDERICK COUNTY PUBLIC SCHOOLS
STATUTORY AFFIDAVIT AND NON-COLLUSION CERTIFICATION

Special Instructions: An authorized representative of the bidder needs to complete the following affidavit and insert an answer to paragraphs 1 and 3.

BIDDERS: The submission of the following Affidavit at the time of the bid opening is:

requested to be completed but not required to be notarized.

required to be completed and notarized.

I, _____, being duly sworn, depose and state:

1. I am the _____ (officer) and duly authorized representative of the firm of
the organization named _____ whose address is
(Name of Corporation) _____ and that I

possess the authority to make this affidavit and certification on behalf of myself and the firm for which I am acting.

2. Except as described in paragraph 3 below, neither I, nor to the best of my knowledge, the above firm, nor any of its officers, directors, or partners, or any of its employees who are directly involved in obtaining or performing contracts with any public bodies has:

- a. been convicted of bribery, attempted bribery, or conspiracy to bribe, under the laws of any state or of the federal government;
- b. been convicted under the laws of the state, another state, or the United States of: a criminal offense incident to obtaining, attempting to obtain, or performing a public or private contract; or fraud, embezzlement, theft, forgery, falsification or destruction of records, or receiving stolen property;
- c. been convicted of criminal violation of an antitrust statute of the State of Maryland, another state, or the United States;
- d. been convicted of a violation of the Racketeer influenced and Corrupt Organization Act, or the Mail Fraud Act, for acts in connection with the submission of bids or proposals for a public or private contract;
- e. been convicted of any felony offenses connected with obtaining, holding, or maintaining a minority business enterprise certification, as prohibited by Section 14-308 of the State Finance & Procurement Article;
- f. been convicted of conspiracy to commit any act or omission that would constitute grounds for conviction under any of the laws or statutes described in Paragraph (a) through (e) above; or
- g. been found civilly liable under an antitrust statute of this State, another state, or the United States for acts or omissions in connection with the submission of bids or proposals for a public or private contract.

3. The only conviction, plea, or admission by any officer, director, partner, or employee of this firm to involvement in any of the conduct described in Paragraph 2 above is as follows:

If none, write "None" below. If involvement, list the date, count, or charge, official or administrative body, the individuals involved, their position with the firm, and the sentence or disposition of the charge.

(you may attach an explanation necessary)

- 4. I affirm that this firm will not knowingly enter into a contract with a public body under which a person or business debarred or suspended under Maryland State Finance and Procurement Title 16, subtitle 3, Annotated Code of Maryland, as amended, will provide, directly or indirectly, supplies, services, architectural services, construction-related services, leases of real property, or construction.
- 5. I affirm that this proposal or bid to the Board of Education of Frederick County is genuine and not collusive or a sham; that said bidder has not colluded, conspired, connived and agreed, directly or indirectly, with any bidder or person to put in a sham bid or to refrain from bidding and is not in any manner, directly or indirectly, sought by agreement of collusion or communication or conference, with any person to fix the bid prices of the affidavit or any other bidder, or to fix any overhead, profit or cost element of said bid price, or that if any bidder, or to secure an advantage against the Board of Education of Frederick County or any other person interested in the proposed contract; and that all statements in the proposal or bid are true. I acknowledge that, if the representations set forth in this affidavit are not true and correct, the Board of Education of Frederick County may terminate any contract awarded and take any other appropriate action.

I DO SOLEMNLY DECLARE AND AFFIRM under the penalties of perjury that the contents of this affidavit are true and correct, that I am executing this Affidavit in compliance with Section 16-311 of the State Finance and Procurement Article, Annotated Code of Maryland, and in compliance with requirements of the Frederick County Board of Education, and that I am executing and submitting this Proposal on behalf of and as authorized by the bidder named below.

(Witness) (Title)

SUBSCRIBED AND SWORN to before me on this _____ day of _____, 20____.

NOTARY PUBLIC

My Commission Expires: _____

(Legal Name of Company)

(dba)

(Address)

(City) (State) (Zip)

(Telephone) (Fax)

(Print Name) (Title) (Date)

(Signature) (Title) (Date)

We are/I am licensed to do business in the State of Maryland as a:
() Corporation () Partnership () Individual () Other



PLEASE RETURN TO:

FREDERICK COUNTY PUBLIC SCHOOLS
PURCHASING DEPARTMENT
191 SOUTH EAST STREET
FREDERICK, MARYLAND 21701
TELEPHONE 301-644-5201 FAX 301-644-5213

NOTICE OF "NO BID" RESPONSE

RFP #14T5
SCHOOL BUSES

Due to increased costs in maintaining an accurate and active "Bidder's List", it is necessary for the Purchasing Department to be informed of the reason(s) for a firm not bidding. If you will not be bidding on this project, please indicate below the reason(s).

Unless a responsive bid or this form is returned to us, your firm will be removed from the "Bidder's List" for this category.

- Current workload prevents bidding at this time.
- We do not sell the type of products/services requested.
- Bid has been forwarded to our distributor; we do not sell direct.
- We wish to be removed from this category.

Other: _____

Date: _____

Firm Name: _____

Address: _____

Signature: _____

Title: _____

QUESTIONS REGARDING THIS SOLICITATION SHOULD BE SUBMITTED IN WRITING TO:
Kim Miskell, Assistant Purchasing Manager, email: kim.miskell@fcps.org