

# **Community Consolidated School District 15**

580 North First Bank Drive

Palatine, Illinois 60067

## **REQUEST FOR BID**

### **SCHOOL BUSES with OPTIONAL DVR CAMERAS**

**BID #17-006**

**DECEMBER 7, 2016**



BID #17-006  
NOTICE TO BIDDERS  
SCHOOL BUSES WITH OPTIONAL DVR CAMERAS  
DECEMBER 7, 2016

The Board of Education of Community Consolidated School District 15, 580 North First Bank Drive, Palatine, Illinois 60067, will receive Bid Proposals for SCHOOL BUSES with OPTIONAL DRV CAMERAS all in accordance with the contract documents including specifications as filed with the Budget and Purchasing Coordinator in the Business Office.

Contract documents are on file and may be examined any time after December 7, 2016.

Board of Education Office  
Joseph M. Kiszka Educational Service Center  
580 North First Bank Drive  
Palatine, Illinois 60067  
Attention: Ivy Fleming

Bid Due Date: Wednesday, December 21, 2016, at 11:30 a.m. local time.

No bids may be withdrawn for a period of 60 days after the bid opening date. They will be held without right of withdrawal until January 11, 2017, at 7:00 p.m. when it is anticipated the Board will be acting on the bid. Results of the board decision are posted on district website [www.ccsd15.net](http://www.ccsd15.net) on Thursday, January 12, 2017. Any time stated is in Central Standard Time zone.

The Board of Education reserves the right to waive any irregularities, reject any or all proposals, when in its opinion such action will serve the best interests of the Board of Education of Community Consolidated School District 15.

By authorization of the Board of Education:



\_\_\_\_\_  
Ivy Fleming  
Budget & Purchasing Coordinator

## INSTRUCTIONS TO BIDDERS

### Proposals:

Proposals to be entitled for consideration must be made in accordance with the following instructions.

All proposals must be submitted on forms of proposal marked Exhibits "A", "B", "C", "D" and "E" SCHOOL BUSES with OPTIONAL DVR CAMERAS, furnished by the Board of Education of Community Consolidated School District 15 ("Board"). Exhibits "A" AND "B" should also be provided with compliance documentation.

**Proposals submitted on other forms shall be rejected.**

Proposals must be signed in longhand by person(s) legally authorized to perform such function. Evidence may be required to substantiate the signature.

Oral, telephonic, telegraphic, electronic or facsimile transmitted bids **will not be accepted.**

Bid documents shall be submitted in sealed envelopes clearly marked with **VENDOR'S NAME** and **BID #17-006 SCHOOL BUSES WITH OPTIONAL DVR CAMERAS, ATTENTION: IVY FLEMING.** Bid documents received in envelopes not clearly labeled as specified will be rejected if opened before specified bid opening time.

PROPOSAL FOR: SCHOOL BUSES with OPTIONAL DVR CAMERAS  
ADDRESSED TO: Board of Education  
Community Consolidated School District 15  
580 North First Bank Drive  
Palatine, Illinois 60067  
Attn: Ivy Fleming, Budget & Purchasing Coordinator  
Due: Wednesday, December 21, 2016 at 11:30 a.m. local time.

### Bid Deposit:

None required. Bidder acknowledges his failure to perform within the intent of the bid solicitation may disqualify him from bidding to the Board of Education, Community Consolidated School District 15.

### Examination of Specifications:

Each bidder shall acquaint itself with the conditions as they exist so that it may be completely familiar with the conditions pertinent to the fulfillment of the work required under this Contract.

### Time for Receiving Bids:

Bids must be delivered in the office of the Board no later than 11:30 a.m. local time on Wednesday, December 21, 2016, at Joseph M. Kiszka Educational Service Center, 580 North First Bank Drive, Palatine, Illinois 60067, when they will be publicly opened and the contents announced.

### Award of Contract:

Contracts will be awarded to the lowest responsible, responsive bidder, as determined by the Board in its sole judgment, considering conformity with specifications, terms of delivery, quality and serviceability, and such other factors as the Board deems necessary and appropriate in the best interest of the School District.

We are providing one copy of Exhibits "A", "B" and "C", "D" and "E", SCHOOL BUSES. Please return each of Exhibits "A", "B", "C", "D" and "E" as your bid in a sealed envelope labeled BID #17-006 SCHOOL BUSES with OPTIONAL DVR CAMERAS and retain a copy for your records.

SPECIFICATIONS FOR SCHOOL BUSES WITH OPTIONAL DVR CAMERAS  
FOR  
COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15  
PALATINE, ILLINOIS

BOARD: Board of Education, Community Consolidated School District 15  
Palatine, Illinois 60067, 847-963-3000

OFFICE: Joseph M. Kiszka Educational Service Center  
580 North First Bank Drive  
Palatine, Illinois 60067

ISSUED: December 7, 2016

GENERAL CONDITIONS

1. BIDS MUST BE RECEIVED IN OUR OFFICE NO LATER THAN WEDNESDAY, DECEMBER 21, 2016, AT 11:30 A.M local time. Bids received by the Board shall be opened at WEDNESDAY, DECEMBER 21, 2016 at 11:30 A.M. when they will be publicly opened and the contents announced. They will be held without right of withdrawal until January 11, 2017, when it is anticipated the Board will be acting on the bid.
2. The Bid Documents consist of (a) the Notice to Bidders, (b) the Instructions to Bidders, (c) these General Conditions of the Contract, and other documents listed in the Contract and Modifications issued after the execution of the Contract. A modification is a written amendment to the Contract signed by both parties.
3. Where conflicts exist within or between parts of the Contract Documents and applicable standards, codes and ordinances, or simply within the Contract Documents, the more stringent, or higher quality or greater quantity requirements shall apply.
4. The Board cannot assume responsibility for delayed postal deliveries and does not recognize postmarks as representing the fact that a bid has been "received" by the Board before the specified deadline.
5. All bidders shall familiarize themselves with the details of the conditions relevant to the work or services to be provided.
6. The Board reserves the right to split the bid on the basis of best quotation. The Contract will be awarded to the lowest responsible bidder, as determined by the Board in its sole judgment, considering conformity with specifications, terms of delivery, quality and serviceability, and such other factors as the Board deems necessary and appropriate in the best interest of the Board. The Board reserves the right to reject any and all bids or any part thereof, and to waive immaterial technicalities in the bidding. Board decisions are final in all instances and are not subject to review.
7. No minimum order requirements may be made by a bidder.

8. Certification must be made that the contract/vendor is not barred from bidding on the Contract as a result of a conviction for either bid-rigging or bid rotating under Article 33 E of the *Criminal Code of 1961*. Certification is to be made by signature of person(s) legally authorized to perform such function in the appropriate place in Exhibit "D" SCHOOL BUSES of the bid documents.
9. Unless otherwise specified in the invitation to bid, YOUR BID PRICE MUST BE A DELIVERED PRICE, F.O.B. PALATINE, IL, THE BOARD'S DESTINATION, WITH ALL TRANSPORTATION AND HANDLING CHARGES PAID BY THE BIDDER TO ONE LOCATION. Delivery must be made as specified on the dates indicated in the specifications of Exhibit "D" SCHOOL BUSES when applicable.
10. The Board reserves the right to terminate the Contract for just cause upon ten (10) days' written notice to Contractor without any penalties. For purposes of this Contract, just cause may include, but is not necessarily limited to, any of the following:
  - A. The Contractor's entry into liquidation, receivership or dissolution, its filing for bankruptcy or insolvency, or the assignment of its assets for the benefit of its creditors;
  - B. The Contractor's failure to pay suppliers or workmen, or failure to provide sufficient workmen or sufficient supplies for the job;
  - C. The Contractor's disregard of applicable laws, ordinances or the instructions of the Board;
  - D. The Contractor's failure to follow the bid specifications or its violation of the Contract Documents;
  - E. The Contractor's failure, for any reason, to maintain the level of service required by the bid specifications; or
  - F. Any other failure on the part of the Contractor to perform or adhere to any of its obligations under this Contract.
11. Whenever, in the specification the term "or equal" is used, it shall be interpreted to indicate the type, function, minimum standard, design, efficiency and quality desired and shall not be construed in such a manner as to exclude manufacturers' products of comparable quality and design. The bidder shall furnish the Board with all evidence required to determine whether or not the proposed product is equal to and will perform according to the Board's specifications. The Board's decision on this matter will be final.
12. The price for the units specified in the invitation to bid should be clearly shown for each separate item in the space provided on the bid form. The total price for the quantity requested should also be shown. If the group totals are requested in the bid invitation, bidders should show group totals on the space provided.
13. The Contractor agrees to fully comply with the requirements of the *Illinois Human Rights Act (775 ILCS 5/1-101 et seq.)* including, but not limited to, the provision of sexual harassment policies and procedures pursuant to Section 2-105 of the Act. The Contractor further agrees to comply with all federal Equal Employment Opportunity Laws, including, but not limited to, the *Americans With Disabilities Act (42 U.S.C. § 12101 et seq.)* and rules and regulations promulgated thereunder.

As required by Illinois law, in the event of the Contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the *Illinois Human Rights Act* or the Rules and Regulations of the Illinois Department of Human Rights ("Department"), the Contractor may be declared ineligible for future contracts or sub-contracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the Contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this Contract, the Contractor agrees as follows:

- A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, creed, sex, marital status, national origin or ancestry, age, citizenship, physical or mental handicap or disability, military status, unfavorable discharge from military service or arrest record status; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
  - B. That, if it hires additional employees in order to perform this Contract or any portion thereof, it will determine the availability (in accordance with the Department's Rules) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
  - C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.
  - D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligation under the *Illinois Human Rights Act* and the Department's Rules. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with such Act and Rules, the Contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
  - E. That it will submit reports as required by the Department's Rules, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the *Illinois Human Rights Act* and the Department's Rules.
  - F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the *Illinois Human Rights Act* and the Department's Rules.
  - G. That it will include verbatim or by reference the provisions of this clause in every sub-contract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such sub-contractor. In the same manner as with other provisions of this Contract, the Contractor will be liable for compliance with applicable provisions of this clause by such sub-contractors; and further it will promptly notify the contracting agency and the Department in the event any sub-contractor fails to refuse to comply therewith. In addition, the Contractor will not utilize any sub-contractor declared by the Illinois Human Rights Commission to be ineligible for contractors or sub-contractors with the State of Illinois or any of its political subdivisions or municipal corporations.
14. To extent applicable, the Contractor agrees to comply with the provisions of the *Occupational Safety and Health Act of 1970* (29 U.S.C.A. § 651 *et seq.*) and the standards and regulations issued thereunder and shall certify that all items furnished under this bid will conform to and comply with said standards and regulations.
15. Contractor agrees to comply with provisions of the *Consumer Products Safety Act of 1972* (15 U.S.C.A § 205 *et seq.*) and shall certify that items furnished under this bid conform to applicable standards.
16. To the extent applicable, the Illinois *Employment of Illinois Workers on Public Works Act* (30 ILCS 470/0.01 *et. seq.*) shall prevail on this Contract.

17. Contractor acknowledges that, pursuant to the Illinois *Criminal Code* (720 ILCS 5/11-9.3), it is unlawful for a child sex offender to knowingly be present on school property when persons under the age of eighteen are present without the specific notification to and permission of the Superintendent of Schools or the Board of Education. Accordingly, Contractor shall ensure that none of its employees, agents or independent contractors are child sex offenders. Child sex offenders found to be present on school property without permission will be considered trespassers and will be prosecuted in accordance with Illinois law.
18. Bids will be considered only if made without any connection with any other person or firm submitting a bid, if in all respects fair and without collusion, and if no member of the Board nor other officer of the School District is directly or indirectly interested in the bid or in any portion of the profits thereof.
19. A bidder may withdraw or change a bid if written notice of the withdrawal or change is received by Board before the latest time specified for submission of bids. Any change may be made only by substitution of another bid.
20. Bids received after the time specified in the invitation to bid will not be considered and shall be returned to the bidder. The method of transmittal of the bid proposal is at bidder's risk of untimely receipt by the Board.
21. Title to the goods herein described shall not pass until said goods have actually been received by Board or its consignee, notwithstanding any agreement to the contrary, including, but not by way of limitation, any agreement to pay freight, express, or other transportation or insurance charges. Risk of loss prior to such actual receipt by Board or its consignee shall be borne by Contractor. Nothing herein contained, however, shall be construed to deprive Board of its interest, or limiting such interest, in goods herein described prior to such actual receipt.
22. All material and workmanship shall be subject to inspection and test by Board or its designee. The Board reserves the right to reject any goods which contain defects in material or workmanship, which fail to meet the specifications contained herein or any warranties (express or implied). Rejected goods shall be removed at the expense of the Contractor, including all transportation costs, promptly after notification of rejection. As to rejected goods, Contractor shall bear all costs of inspection and all risk of loss.
23. Payment by the Board for goods supplied hereunder shall not constitute acceptance thereof if subsequent inspection discloses defects in material or workmanship or a failure to meet the specifications contained herein.
24. Purchase order number and vendor name must appear on each invoice submitted to the Board for payment.
25. Signature Constitutes Acceptance - The signing of these bid forms shall be construed as acceptance of all provisions contained herein and that the Contractor had read the Contract Documents and is fully aware of the terms hereof.
26. Exceptions – Any exceptions to these terms and conditions of deviations from the written specifications must be shown in writing and attached to the bid form.
27. The Board reserves its rights to reject any goods and to cancel all or any part of this sale if Contractor fails to deliver all or any part of the goods described in the invitation to bid in accordance with the terms, conditions, and specifications contained herein. Acceptance of any part of the goods covered by the invitation to bid shall not obligate Board to accept future shipments nor deprive it of its rights to



revoke any acceptance theretofore given. If Contractor ceases to conduct its operations in the ordinary course of business (including inability to meet its obligations as they mature), or if any proceeding under bankruptcy or insolvency laws is brought by or against Contractor, or if a receiver for Contractor is appointed or applied for, or if an assignment for the benefit of creditors is made by Contractor, Board may cancel this order without liability except for deliveries previously made or for goods covered by the invitation to bid then completed and subsequently delivered in accordance with the terms, conditions, and specifications contained herein.

28. Contractor makes the following warranties to Board and users of the goods herein described: (a) It will, at the date of delivery, have good title to any and all goods supplied hereunder, and said goods will be free and clear of any and all liens and encumbrances; (b) Any and all goods supplied hereunder will be of merchantable quality; (c) Any and all goods supplied hereunder will be fit for the particular use intended, will be free from defects, whether patent or latent in material or workmanship, and will be in full conformity with the specifications contained herein. Contractor agrees that the foregoing warranties shall survive acceptance of the goods, and that said warranties shall be in addition to any warranties for additional scope given to Board by Contractor.
29. Contractor agrees to indemnify, defend, and hold harmless the Board, its successors, assigns, customer, agents, and users of the goods herein described against any and all loss, damage, or injury arising out of or resulting from a claim or suit for alleged infringement or any letters patent granted by the United States or any foreign government relating to the goods herein described. Contractor agrees that it will assume the defense of any and all such suits and pay all costs, judgments, and expenses incidental thereto.
30. Bidder must make delivery upon receipt of order unless otherwise specified in the invitation to bid. Bidder must indicate time required for delivery on bid.
31. The bidder shall at all times observe and comply with all laws, ordinances, regulations and codes for the Federal, State, County and other local government agencies, which may in any manner affect the preparation of proposals or the performance of the Contract.
32. Any interpretation of the proposed Contract Documents will be made only by an addendum duly issued by the Purchasing Agent. A copy of such addendum will be mailed to each person receiving a set of such Contract Documents and to such other prospective bidders as shall have requested that they be furnished with a copy of each addendum. Failure on the part of the prospective bidder to receive a written interpretation prior to the time of the opening of bids will not be grounds for withdrawal of his proposal. Oral explanations will not be binding.
33. The award of the Contract will be made by official Board documents. Bidder's order form is not acceptable and cannot be used.
34. The Board is exempt from paying Illinois Use Tax (35 ILCS 105/3-5.4) and sales to the Board are exempt from Illinois Retailer's Occupation Tax (35 ILCS 120/2-5.11). As such, Contractor shall not include such taxes in its bid.
35. The Board is exempt from paying Federal Excise Taxes (26 U.S.C.A. § 4221). As such, Contractor shall not include such taxes in its bid.
36. In computing transportation costs, bidders should not include any federal transportation tax, because Board is exempt.
37. The Contractor shall pay sales, consumer, use and similar taxes for the work or portions thereof provided by the Contractor. Contractor shall collect and remit Illinois Use Tax on all sales of tangible



personal property in accordance with the Illinois *School Code* (105 ILCS 5/10-20.21) and the Illinois *Use Tax Act* (35 ILCS 105/1 *et seq.*). The payment of this tax will take place regardless of whether the Contractor is a retailer maintaining a place of business within this State. The cost of such tax shall be borne solely by the Contractor as part of the Contract price. Contractor shall not be reimbursed or paid any taxes unnecessarily paid by Contractor when not required due to the Board's tax exempt status.

38. Where the term Sub-contractor is used throughout the bid it refers to those specialized people who are not on the Contractor's payroll. Such Sub-contractors are to be brought to the attention of the Board, which reserves the right to approve or disapprove any such related Sub-contractors.
39. **ERRORS AND OMISSIONS** - All proposals shall be submitted with each space properly completed. Special attention of bidders is directed to the policy that no claim for relief because of errors or omissions in the bidding will be considered and bidders will be held strictly to the proposals as submitted. Should a bidder find any discrepancies in, or omissions from any of the documents, or be in doubt as to their meanings, it shall advise the Director for Business Services who will issue the necessary clarifications to all prospective bidders by means of addenda. Failure on the part of the prospective bidder to receive a written interpretation prior to the time of the opening of bids will not be grounds for withdrawal of its proposal. Oral explanations will not be binding.
40. The Board will attempt to make payments for items ordered within thirty (30) days of delivery. Invoices must be submitted in a timely manner, and if received by the 25<sup>th</sup> day of the month, will be processed and paid at the next regularly scheduled Board of Education meeting (normally held on the second Wednesday of each month.) Notwithstanding anything herein to the contrary, however, all payments made to the Contractor shall be governed by the Illinois *Local Government Prompt Payment Act* (50 ILCS 505/1 *et seq.*).
41. Delivery site is to be at Walter R. Sundling Jr. High School, **TRANSPORTATION GARAGE**, 1100 North Smith Street, Palatine, IL 60067, on schedule to be mutually determined by successful bidder and Community Consolidated School District No. 15.

**EXHIBIT "A"**  
**BID #17-006**  
**SCHOOL BUSES WITH OPTIONAL DVR CAMERA SYSTEM**  
**COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15**  
**SPECIFICATIONS FOR 71 PASSENGER BUSES**  
**2016 or 2017 USED**  
**OR**  
**2018 NEW**  
**QUANTITY (10) TEN**

Minimum specifications are listed below and each bidder must state to the right of the listed specifications the compliance details that pertain to the unit bid indicating size, quality, range and information as necessary to determine unit quality. If bidding on an alternate, you **MUST** indicate the alternate specifications in the space provided.

**2018 NEW BUS SPECIFICATIONS**  
**MINIMUM CHASSIS SPECIFICATIONS**

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	Specify chassis brand		
2.	276" wheelbase		
3.	Cummins ISB electronic in-line 6 cylinder turbo charged diesel engine		
4.	Engine to be 250 horsepower minimum- <i>specify horsepower</i>		
5.	Engine torque to be a minimum of <u>660</u> ft lbs.- <i>specify ft.lbs.</i>		
6.	Warner FC-550 electrically activated "ON/Off" cooling fan for increased torque and horsepower while increasing fuel economy, engine performance, and quicker warm-up		
7.	Allison Electronic Series 2500PTS.		
8.	Transmission synthetic fluid		
9.	Air cleaner-dry element type with restriction gauge.		
10.	10,000 lb. front axle		
11.	Parabolic front springs- 10,000 lbs. for softer ride that improves driver and passenger comfort		
12.	Rear axle - 19,800 lbs.		
13.	Air Ride rear suspension- 21,000 lbs., 9.25" ride height		
14.	Rear axle ratio to be 5.13		
15.	Air brakes- anti-lock brakes-4 channel		
16.	Cummins 18.7 CFM air compressor		
17.	Front brakes- 16.5" x 5" minimum		
18.	Rear brakes- 16.5" x 7" minimum		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
19.	Automatic slack adjusters		
20.	Dust shields front and rear brakes		
21.	Parking brake to be spring operated with treadle valve-dash mounted		
22.	Bendix AD-9 air dryer		
23.	Bendix DV-2 automatic drain valve		
24.	Air Brakes preferred. If not state what Hyd Brake system is on the Bus		
25.	Chassis to have a "park brake interlock" system that requires the foot operated brake pedal to be depressed to release the parking brake. This will prevent movement if the park brake is accidently released. <i>Safety item</i>		
26.	Chassis activated by a parking brake switch on the instrument panel includes key switch "interlock". <u>Parking brake cannot be released until ignition switch is in run position.</u> This prevents the vehicle from moving if the park brake is accidently released. <i>Safety item</i>		
27.	Minimum 200 amp alternator		
28.	Three batteries- 1950 CCA		
29.	Battery disconnect switch located in the battery box.		
30.	100 gallon fuel tank mounted between the rear frame rails		
31.	DEF tank, 12 gallons, frame mounted.		
32.	Fuel water separator with electric heater.		
33.	-40 degree anti-freeze, Extended Life Coolant		
34.	Tilt Steering Wheel.		
35.	Dash to have switches to active the "regeneration" of the particulate filter		
36.	Single "STAINLESS STEEL" exhaust system to exit through the rear bumper on the left side. 4" pipe to the Venturi and 6" to the bumper		
37.	Indicator lights on the instrument panel will illuminated with solid or flashing lights to indicate the level of regeneration required		
38.	Front tires, 11R x 22.5 16 ply radial		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
39.	Rear tires- 11R x 22.5 -16 ply radial, all season mud and snow type		
40.	Accuride "Steel Armor™" Powder Coated Wheels. Hub piloted disc wheels, <u>2 hand hole</u> , 10 stud, 8.25" x 22.5", black.		
41.	Wheels and tires to be balanced before installation		
42.	Fiberglass aerodynamic tilt hood with easy tilt feature		
43.	Engine noise abatement package		
44.	Hood to have built-in open and close assist.		
45.	Circuit breakers to be manual-reset SAE Type III with trip indicators in lieu of standard fuses		
46.	Engine fast warm up device, electronic, turbo charger controlled		
47.	Gauges to be plug-in type for easy replacement		
48.	Electronic fast idle control switch on the dash		
49.	Dual electric horns		
50.	750 Watt engine block heater minimum. Weather type cover with rubber insulated seal mounted in the center of the front bumper for easy access		
51.	Directional signals-self canceling		
52.	DEF fuel gauge mounted in the instrument cluster		
53.	Tachometer, voltmeter, and hourmeter		
54.	Transmission temperature gauge		
55.	<u>Low coolant</u> warning light and audible alarm		
56.	<u>Low fuel</u> warning light and audible alarm.		
57.	<u>Low DEF</u> warning light and audible alarm		
58.	Headlight dimmer switch to be integral with turn signal switch		
59.	Halogen headlamps to have <u>LEXAN PLASTIC</u> covers to prevent damage from rocks and road debris		
60.	Daytime running lights to be activated when transmission is shifted into gear. Lights to be "off" when the transmission is in neutral or park position		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
61.	Tool-free headlight bulb replacement system		
62.	Headlamps to have audible alarm when lights are left on with ignition off		
63.	Visible oil pressure and water temperature gauges, and high temperature low oil pressure warning light and buzzer		
64.	Electronic cruise control.		
65.	Frame rails to include grommets in all applicable openings		
66.	Front bumper- heavy duty .250 min		
67.	Two (2) front tow hooks		
68.	Winter front installed- yellow		
69.	Federal and state certification as required		
70.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		

**MINIMUM BODY SPECIFICATIONS**

		BIDDERS COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	71 passenger		
2.	33'5" body length <u>MINIMUM- specify body length</u>		
3.	78" Interior headroom		
4.	Large driver storage compartment- 1300 square inch minimum with cup holder located after the switch panel		
5.	Seats-39" high back		
6.	Buses to be equipped with 3 lap belts per seat.		
7.	Seat spacing-28.50"- <u>specify spacing</u>		
8.	Driver's seat-National <u>AIR SEAT</u> high back, 6 way adjustable, lumbar support, cloth insert, and storage pocket on back		
9.	Driver seat belt-3 point retractable shoulder belt to be wall mounted, "D Loop" type. 8" track on the wall for height adjustment. <u>Color to be BLAZE ORANGE.</u>		
10.	Entrance and rear door header pads- color to match seats		
11.	Padded shoulder rails		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
12.	Entrance door to have an ALUMINUM frame with pin style hinges		
13.	Entrance door to be supported by the top doorframe, not resting on the stepwell. Ball bearings for easy movement		
14.	Electrically or air operated outward opening entrance door		
15.	Door to have an "in motion interlock" feature so the door cannot be opened while the bus is in motion to reduce potential of accidental opening- <i>Safety Item</i>		
16.	Open/Close switch on the steering wheel to activate the electric entrance door. Driver is not required to remove hands from the steering wheel to activate		
17.	Open/Close door switch on the steering wheel to be backlit with a "GREEN" LED light		
18.	<u>Exterior cowl mounted key to electrically operate</u> the entrance door. Key to open/close the door and also secure the bus.		
19.	Entrance door to have non-corrosive handle mounted to the front door panel.		
20.	Entrance door area must have a clear opening of 36" x 78" MINIMUM. (Specify opening size)		
21.	Entrance steps to be a <u>minimum of 36"</u> wide for increase passenger access, the stepwell shall remain its full width with no taper from the bottom step to the top step		
22.	Three step entrance design, 14 gauge galvanized steel, complete stepwell to be undercoated and painted black.		
23.	Entrance steps risers to be equal in height-9"		
24.	Steps to have decal stating "WATCH YOUR STEP"		
25.	Stainless steel grab rail		
26.	Rear door to have a <u>slide bolt type</u> lock system		
27.	Slide bolt lock to be mounted at the bottom edge of the rear door buzzer box for easy access		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
28.	Rear hold back device with plastic cover		
29.	Heavy Duty battery box, 25.5" wide minimum. "Drawer style" side sliding mechanism on both sides of the tray for minimum force to slide in and out. Tray to be designed not to tilt forward when opened. Tray to pull out so that the rear terminals will extend past the bus body		
30.	Fuel door to be mounted flush with side of body		
31.	Koroseal rubber floor covering with ribbed center aisle		
32.	Koroseal "Pebble Tread" rubber step covering with white safety edge for all three steps. Step treads to have a non-metal backing and white safety edge		
33.	Aluminum aisle moldings		
34.	5/8" plywood flooring		
35.	Plywood floor secured with screws		
36.	Sender inspection plate inside body over fuel tank		
37.	Insulation- 1½" fiberglass in roof, and front and rear headers		
38.	Insulation- 1½" insulation between the windows and floor		
39.	Insulation in all roof bows		
40.	Deluxe diesel sound package with FULL LENGTH perforated headliner in the roof for noise reduction		
41.	Extended exterior skirt panel to be 20" long in lieu of 16"		
42.	Exterior side panels to extend from the windows to the floor level		
43.	Exterior lower skirt panel to extend from floor to bottom rub rail for ease of replacement if damaged		
44.	Fold down steps on front cowl		
45.	Four (4) full length exterior rub rails, painted black flange to flange- to be installed with buck type rivets.		
46.	Top of rub rails to be sealed with caulk and bottom to have drain holes		
47.	12" rear bumper with supports bolted to the chassis frame rails		
48.	12" rear bumper to have 6" exhaust pipe exit access hole		
49.	Aluminized steel inner side walls from window line to seat rail		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
50.	All mirror wiring to run through the frame for protection from the environment and vandalism		
51.	Heated 8" x 12" flat and 8" x 6" convex mirrors on large "D" frame		
52.	Drivers side mirror to be visible through the driver's window for easy access		
53.	Heated Rosco crossview mirrors		
54.	Crossview mirrors- <u>large 4" x 7" metal backing plate</u> installed on the inside of the hood to help prevent the hood from cracking where mounting hardware is attached. Brackets to be attached with lock nuts.		
55.	6" x 30" interior sun visor driver's side over the windshield		
56.	6" x 30" padded interior mirror		
57.	Windshield tinted to 73% light transmission and tinted band at the top		
58.	Wet-arm windshield wipers to be bottom mounted.		
59.	Windshield wiper washer fluid hoses to be integrated into the bus body cowl to keep lines from freezing. No hoses on the chassis hood cowl where they are exposed to snow and ice buildup		
60.	Wipers to have at least 2 speeds plus intermittent.		
61.	Headlamps to operate automatically when wipers are engaged		
62.	Rear tail lights to come on when windshield wipers are engaged		
63.	12" Aluminum split sash windows. Latch to be replaceable without removing window		
64.	Two (2) emergency push-out windows with 8" red lift handle- vertically hinged		
65.	All side and rear windows to be tinted- 28% light transmission		
66.	Window in rearmost side section		
67.	90,000 BTU left front heater		
68.	Washable air filter to be furnished for the driver's heater		
69.	Heater temperature control switch located on the drivers switch panel		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
70.	Fresh air intake to be 32" x 10" with driver controlled switch		
71.	50,000 BTU right front heater		
72.	Washable air filter to be furnished for the stepwell heater		
73.	Defroster channel to be full width from side to side and include outlet under driver's window		
74.	84,500 BTU rear underseat heater		
75.	Washable air filter to be furnished for the rear heater		
76.	One (1) <u>quarter turn</u> brass heater cut-off valve in driver area for service- <u>gate valve is not acceptable</u>		
77.	Two (2) <u>quarter turn</u> brass heater cut-off valves, butterfly type handles, under hood- <u>gate valves are not acceptable</u>		
78.	Bergstom Heater booster pump. Separate switch on the dash panel. Pump to be installed in the engine compartment		
79.	Circuit breakers to be manual-reset with trip indicators in lieu of standard fuses		
80.	Headlamps and wipers to have automatic resetting circuit breakers		
81.	Heavy duty color coded and continuously numbered wire –polyethylene		
82.	Grommets in all applicable openings to protect wiring from fraying and shorts		
83.	Locking exterior electrical access panel mounted below the driver's window 751 key.		
84.	Exterior electrical panel with wiring schematic attached to the door		
85.	Exterior light " <u>Pre-Check</u> " switch located on the dash which enables one person to complete a check of all exterior lights. This includes backup and brake lights. All lights to blink at the same time.		
86.	Warning light activation switch located on the steering wheel to start the 8 lamp system. Driver is not required to remove hands from the steering wheel or take eyes off the road to activate lights		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
87.	Warning lights programmed to activate at road speed 55 mph or below		
88.	Warning light switch on the steering wheel to have an "AMBER" colored LED light to activate the warning lights		
89.	Warning light operating system to be wired directly to the chassis multi-plex system		
90.	Warning light switch on the steering wheel to have a "RED" colored LED light to activate "override" feature		
91.	Warning light switch on the steering wheel to have an "override" feature. This feature allows the driver to open and close the door while the red warning lights and stop arm are "in operation". Driver has the ability to open and close the entrance door numerous times, with the red warning lights "ON", until the driver turns the system off		
92.	7" warning lights to have Quartz HALOGEN bulbs for increased visibility		
93.	Warning lights to have activation lights built into the dash instrument panel for easy viewing		
94.	Auxiliary defroster fan, mounted to the front header, mid-right over windshield with a separate switch		
95.	Auxiliary defroster fan, mounted mid-left over windshield with a separate switch		
96.	Body disconnect electrical cut-off relays, ignition controlled		
97.	Battery disconnect switch located in the battery box.		
98.	"LED" front cowl mounted 7" directionals or hood mounted dual faced turn signals		
99.	"LED" armor protected marker lights front, rear, and sides		
100.	"LED" armor protected side directional lights		
101.	"LED" recessed cluster lights- (3) front and (3) rear-total of 6. Lights to be recessed to protect them from tree branches and damage		
102.	"LED" 7" back up lights		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
103.	"LED" 7" stop lights and 4" tail lights to operate when brake are applied- total of 4 brake lights		
104.	"LED" license plate light		
105.	Electric step well light wired to clearance lights.		
106.	Doran electronic monitor system for 16 exterior lights mounted in the front upper inner panel above the driver		
107.	Three (3) "LED" ceiling mounted driver dome lights in the drivers area		
108.	3" red light mounted over rear emergency door		
109.	Radio speakers and dome lights to be installed in the wire access channel for quick access		
110.	Recessed mounted clearance and marker lights in the front and rear headers		
111.	Armor protected side marker lights		
112.	Low profile strobe light. Pilot light type switch on the driver's console to indicate strobe light is "on". Power pack located in a compartment the rear header for easy access		
113.	Back up alarm 112dba		
114.	Exterior warning lamp hoods over bulbs for increased visibility, front and rear. Hoods to be a single piece over both lights		
115.	Background of 8 lamp warning lights, front and rear, to be black		
116.	Backlit rocker switches for all vehicle accessories at driver's left side. Illumination controlled by rheostat switch.		
117.	Specialty Model 6980 electric stop arm. High Intensity, reflectorized, with "LED" STROBING cluster lights, double sided		
118.	Specialty Series 6000 "SOLID STATE" electric crossing arm. Control box to be sealed and integrated into the rear of the front bumper. A rubber seal, mounted to the box, and installed against front bumper to reduce moisture and dirt from entering the box is required		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
119.	Crossing gate to have yellow poly type arm contoured to the bumper for protection and lower air disturbance		
120.	Crossing gate arm to be a minimum of 72" long		
121.	Crossing gate momentary interrupt switch located on the drivers switch panel		
122.	2-Way radio access plate mounted in the dash		
123.	12 volt power point with plastic cover mounted in the drivers storage compartment		
124.	AM/FM/CD/CLOCK radio with public address system with 4 speakers		
125.	Interior speakers, with integrated holes, located in the wire access panel over the passenger windows for easy access		
126.	Red colored "Noise Suppression Switch" to be dash mounted. Switch to be labeled "NOISE" or "NO NOISE". Single switch to control all heater motors, defroster fans, and radio so that the driver can hear at intersections and railroad crossings		
127.	Post Trip Monitor-"No Student Left Behind" system accessory controlled, with alarm disable at rear of the bus by <u>pushing a button</u> , driver has 1 minute to disarm		
128.	Post Trip Monitor system to be wired to the headlamps and chassis horn to alert driver if they fail to check for students after the route		
129.	Dome light activation system- all interior dome lights to come on for 2 minutes when bus is turned to the "accessory" key position		
130.	Post Trip Monitor to be activated only when the warning lights system is activated for the first time on each trip		
131.	Pre-wiring for a 2 way radio. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled 2-way radio		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
132.	Pre-wiring for a video. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled video		
133.	Vertex EVX5300,VHF 136-147 MHZ,8 channels/1 group, 50 watts.Radio to be programmed to Palatine District 15 frequency. Radio to be installed in dash using Jotto desk face plate,Maxrad MLB5800-s antenna 17'RG58-U cable and crimp on PL-259 connector.		
134.	Lettering to read "COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15, PALATINE, IL"		
135.	"TO COMMENT ON MY DRIVING" decal with district's phone number 847-963-3785. Installed in the right rear window.		
136.	"VIDEO" warning stickers applied on the outside and inside of the bus		
137.	If manufacturers logos are installed on the roof, the logos to be mounted over first window on the left and first window on the right		
138.	All 3M reflective tape must be " <u>High Intensity Fluorescent</u> " diamond grade in lieu of regular "highly reflective" diamond grade		
139.	All amber and red reflectors on the front, sides, and rear to be 3M " <u>High Intensity Fluorescent</u> " diamond grade reflective tape, screw on type are not acceptable		
140.	3M " <u>High Intensity Fluorescent</u> " reflective tape type reflectors mounted on the front fenders above the headlamps- 2" x 5" minimum		
141.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape for the "SCHOOL BUS" signs front and rear		
142.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape, 2" stripe down sides		
143.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear end		
144.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear emergency door		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
145.	3M "High Intensity Fluorescent" reflective diamond grade tape around the perimeter of all roof hatches		
146.	3M "High Intensity Fluorescent" reflective diamond grade tape around the perimeter of all kickout windows		
147.	Paint- seat frames to be powder coated		
148.	Both sides of the rub rails to be "Heat Baked" primed and painted		
149.	Interior paint color to be white		
150.	White painted roof. Roof to be painted white beginning 5" above the window line with rounded corners		
151.	Static roof vent in the drivers ceiling area		
152.	Two (2) Transpec Model 1975 roof hatches		
153.	Two (2) rear tow hooks- left and right. Hooks to be mounted under rear bumper		
154.	Front mud flaps		
155.	Rubber anti-sail and anti-spray rear mud flaps		
156.	Rubber fenders around the rear wheel openings		
157.	Certificate holder- 9" X 6" envelope type		
158.	First aid kit mounted to the front header		
159.	Body fluid kit mounted to the front header		
160.	5 lb. fire extinguisher mounted on the floor in the drivers area		
161.	Triangle reflector kits to be secured <u>off the floor</u> to prevent damage. Kit to be mounted on a metal tray to the front barrier modesty panel		
162.	Compartment over the windshield, 47" long single piece door, with lever type latches, non-locking, centered over windshield		
163.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		
164.	Dealer to include all costs for title and license plates		



BIDDER COMPLIANCE ALTERNATE SPECIFICATIONS

**2016 USED SPECIFICATIONS  
MINIMUM CHASSIS SPECIFICATIONS**

1.	Specify chassis brand		
2.	276" wheelbase		
3.	Cummins ISB electronic in-line 6 cylinder turbo charged diesel engine		
4.	Engine to be 250 horsepower minimum- <u>specify horsepower</u>		
5.	Engine torque to be a minimum of <u>660 ft lbs.- specify ft.lbs.</u>		
6.	Warner FC-550 electrically activated "ON/Off" cooling fan for increased torque and horsepower while increasing fuel economy, engine performance, and quicker warm-up		
7.	Allison Electronic Series 2500PTS.		
8.	Transmission synthetic fluid		
9.	Air cleaner-dry element type with restriction gauge.		
10.	10,000 lb. front axle		
11.	Parabolic front springs- 10,000 lbs. for softer ride that improves driver and passenger comfort		
12.	Rear axle - 19,800 lbs.		
13.	Air Ride rear suspension- 21,000 lbs., 9.25" ride height		
14.	Rear axle ratio to be 5.13		
15.	Air brakes- anti-lock brakes-4 channel		
16.	Cummins 18.7 CFM air compressor		
17.	Front brakes- 16.5" x 5" minimum		
18.	Rear brakes- 16.5" x 7" minimum		
19.	Automatic slack adjusters		
20.	Dust shields front and rear brakes		
21.	Parking brake to be spring operated with treadle valve-dash mounted		
22.	Bendix AD-9 air dryer		
23.	Bendix DV-2 automatic drain valve		
24.	Air Brakes preferred. If not state what Hyd Brake system is on the Bus		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
25.	Chassis to have a <u>"park brake interlock"</u> system that requires the foot operated brake pedal to be depressed to release the parking brake. This will prevent movement if the park brake is accidentally released. <i>Safety item</i>		
26.	Chassis activated by a parking brake switch on the instrument panel includes key switch <u>"interlock"</u> . <u>Parking brake cannot be released until ignition switch is in run position</u> . This prevents the vehicle from moving if the park brake is accidentally released. <i>Safety item</i>		
27.	Minimum 200 amp alternator		
28.	Three batteries- 1950 CCA		
29.	Battery disconnect switch located in the battery box.		
30.	100 gallon fuel tank mounted between the rear frame rails		
31.	DEF tank, 12 gallons, frame mounted.		
32.	Fuel water separator with electric heater.		
33.	-40 degree anti-freeze, Extended Life Coolant		
34.	Tilt Steering Wheel.		
35.	Dash to have switches to active the <u>"regeneration"</u> of the particulate filter		
36.	Single <u>"STAINLESS STEEL"</u> exhaust system to exit through the rear bumper on the <u>left side</u> . 4" pipe to the Venturi and 6" to the bumper		
37.	Indicator lights on the instrument panel will illuminated with solid or flashing lights to indicate the level of regeneration required		
38.	Front tires, 11R x 22.5 16 ply radial		
39.	Rear tires- 11R x 22.5 -16 ply radial, all season mud and snow type		
40.	Accuride <u>"Steel ArmorTM"</u> Powder Coated Wheels. Hub piloted disc wheels, <u>2 hand hole</u> , 10 stud, 8.25" x 22.5", black.		
41.	Wheels and tires to be balanced before installation		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
42.	Fiberglass aerodynamic tilt hood with easy tilt feature		
43.	Engine noise abatement package		
44.	Hood to have built-in open and close assist.		
45.	Circuit breakers to be manual-reset SAE Type III with trip indicators in lieu of standard fuses		
46.	Engine fast warm up device, electronic, turbo charger controlled		
47.	Gauges to be plug-in type for easy replacement		
48.	Electronic fast idle control switch on the dash		
49.	Dual electric horns		
50.	750 Watt engine block heater minimum. Weather type cover with rubber insulated seal mounted in the center of the front bumper for easy access		
51.	Directional signals-self canceling		
52.	DEF fuel gauge mounted in the instrument cluster		
53.	Tachometer, voltmeter, and hourmeter		
54.	Transmission temperature gauge		
55.	<u>Low coolant</u> warning light and audible alarm		
56.	<u>Low fuel</u> warning light and audible alarm.		
57.	<u>Low DEF</u> warning light and audible alarm		
58.	Headlight dimmer switch to be integral with turn signal switch		
59.	Halogen headlamps to have <u>LEXAN PLASTIC</u> covers to prevent damage from rocks and road debris		
60.	Daytime running lights to be activated when transmission is shifted into gear. Lights to be "off" when the transmission is in neutral or park position		
61.	Tool-free headlight bulb replacement system		
62.	Headlamps to have audible alarm when lights are left on with ignition off		
63.	Visible oil pressure and water temperature gauges, and high temperature low oil pressure warning light and buzzer		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
64.	Electronic cruise control.		
65.	Frame rails to include grommets in all applicable openings		
66.	Front bumper- heavy duty .250 min		
67.	Two (2) front tow hooks		
68.	Winter front installed- yellow		
69.	Federal and state certification as required		
70.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		

**MINIMUM BODY SPECIFICATIONS**

		BIDDERS COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	71 passenger		
2.	33'5" body length <u>MINIMUM- specify body length</u>		
3.	78" Interior headroom		
4.	Large driver storage compartment- 1300 square inch minimum with cup holder located after the switch panel		
5.	Seats-39" high back		
6.	Buses to be equipped with 3 lap belts per seat.		
7.	Seat spacing-28.50"- <u>specify spacing</u>		
8.	Driver's seat-National <u>AIR SEAT</u> high back, 6 way adjustable, lumbar support, cloth insert, and storage pocket on back		
9.	Driver seat belt-3 point retractable shoulder belt to be wall mounted, "D Loop" type. 8" track on the wall for height adjustment. <u>Color to be BLAZE ORANGE.</u>		
10.	Entrance and rear door header pads- color to match seats		
11.	Padded shoulder rails		
12.	Entrance door to have an <u>ALUMINUM</u> frame with pin style hinges		
13.	Entrance door to be supported by the top doorframe, not resting on the stepwell. Ball bearings for easy movement		
14.	Electrically or air operated outward opening entrance door		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
15.	Door to have an "in motion interlock" feature so the door cannot be opened while the bus is in motion to reduce potential of accidental opening- <i>Safety Item</i>		
16.	Open/Close switch on the steering wheel to activate the electric entrance door. Driver is not required to remove hands from the steering wheel to activate		
17.	Open/Close door switch on the steering wheel to be backlit with a "GREEN" LED light		
18.	Exterior cowl mounted key to electrically operate the entrance door. Key to open/close the door and also secure the bus.		
19.	Entrance door to have non-corrosive handle mounted to the front door panel.		
20.	Entrance door area must have a clear opening of 36" x 78" MINIMUM. (Specify opening size)		
21.	Entrance steps to be a minimum of 36" wide for increase passenger access, the stepwell shall remain its full width with no taper from the bottom step to the top step		
22.	Three step entrance design, 14 gauge galvanized steel, complete stepwell to be undercoated and painted black.		
23.	Entrance steps risers to be equal in height-9"		
24.	Steps to have decal stating "WATCH YOUR STEP"		
25.	Stainless steel grab rail		
26.	Rear door to have a <u>slide bolt</u> type lock system		
27.	Slide bolt lock to be mounted at the bottom edge of the rear door buzzer box for easy access		
28.	Rear hold back device with plastic cover		
29.	Heavy Duty battery box, 25.5" wide minimum. "Drawer style" side sliding mechanism on both sides of the tray for minimum force to slide in and out. Tray to be designed not to tilt forward when opened. Tray to pull out so that the rear terminals will extend past the bus body		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
30.	Fuel door to be mounted flush with side of body		
31.	Koroseal rubber floor covering with ribbed center aisle		
32.	Koroseal " <u>Pebble Tread</u> " rubber step covering with white safety edge <u>for all three steps</u> . Step treads to have a non-metal backing and white safety edge		
33.	Aluminum aisle moldings		
34.	5/8" plywood flooring		
35.	Plywood floor secured with screws		
36.	Sender inspection plate inside body over fuel tank		
37.	Insulation- 1½" fiberglass in roof, and front and rear headers		
38.	Insulation- 1½" insulation between the windows and floor		
39.	Insulation in all roof bows		
40.	Deluxe diesel sound package with FULL LENGTH perforated headliner in the roof for noise reduction		
41.	Extended exterior skirt panel to be 20" long in lieu of 16"		
42.	Exterior side panels to extend from the windows to the floor level		
43.	Exterior lower skirt panel to extend from floor to bottom rub rail for ease of replacement if damaged		
44.	Fold down steps on front cowl		
45.	Four (4) full length exterior rub rails, painted black <u>flange to flange</u> - to be installed with buck type rivets.		
46.	Top of rub rails to be sealed with caulk and bottom to have drain holes		
47.	12" rear bumper with supports bolted to the chassis frame rails		
48.	12" rear bumper to have 6" exhaust pipe exit access hole		
49.	Aluminized steel inner side walls from window line to seat rail		
50.	All mirror wiring to run through the frame for protection from the environment and vandalism		
51.	Heated 8" x 12" flat and 8" x 6" convex mirrors on large "D" frame		
52.	Drivers side mirror to be visible through the driver's window for easy access		
53.	Heated Rosco crossview mirrors		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
54.	Crossview mirrors- large 4" x 7" metal backing plate installed on the inside of the hood to help prevent the hood from cracking where mounting hardware is attached. Brackets to be attached with lock nuts.		
55.	6" x 30" interior sun visor driver's side over the windshield		
56.	6" x 30" padded interior mirror		
57.	Windshield tinted to 73% light transmission and tinted band at the top		
58.	Wet-arm windshield wipers to be bottom mounted.		
59.	Windshield wiper washer fluid hoses to be integrated into the bus body cowl to keep lines from freezing. No hoses on the chassis hood cowl where they are exposed to snow and ice buildup		
60.	Wipers to have at least 2 speeds plus intermittent.		
61.	Headlamps to operate automatically when wipers are engaged		
62.	Rear tail lights to come on when windshield wipers are engaged		
63.	12" Aluminum split sash windows. Latch to be replaceable without removing window		
64.	Two (2) emergency push-out windows with 8" red lift handle- vertically hinged		
65.	All side and rear windows to be tinted- 28% light transmission		
66.	Window in rearmost side section		
67.	90,000 BTU left front heater		
68.	Washable air filter to be furnished for the driver's heater		
69.	Heater temperature control switch located on the drivers switch panel		
70.	Fresh air intake to be 32" x 10" with driver controlled switch		
71.	50,000 BTU right front heater		
72.	Washable air filter to be furnished for the stepwell heater		
73.	Defroster channel to be full width from side to side and include outlet under driver's window		
74.	84,500 BTU rear underseat heater		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
75.	Washable air filter to be furnished for the rear heater		
76.	One (1) <u>quarter turn</u> brass heater cut-off valve in driver area for service- <u>gate valve is not acceptable</u>		
77.	Two (2) <u>quarter turn</u> brass heater cut-off valves, butterfly type handles, under hood- <u>gate valves are not acceptable</u>		
78.	Bergstom Heater booster pump. Separate switch on the dash panel. Pump to be installed in the engine compartment		
79.	Circuit breakers to be manual-reset with trip indicators in lieu of standard fuses		
80.	Headlamps and wipers to have automatic resetting circuit breakers		
81.	Heavy duty color coded and continuously numbered wire –polyethylene		
82.	Grommets in all applicable openings to protect wiring from fraying and shorts		
83.	Locking exterior electrical access panel mounted below the driver's window 751 key.		
84.	Exterior electrical panel with wiring schematic attached to the door		
85.	Exterior light " <u>Pre-Check</u> " switch located on the dash which enables one person to complete a check of all exterior lights. This includes backup and brake lights. All lights to blink at the same time.		
86.	Warning light activation switch located on the steering wheel to start the 8 lamp system. Driver is not required to remove hands from the steering wheel or take eyes off the road to activate lights		
87.	Warning lights programmed to activate at road speed 55 mph or below		
88.	Warning light switch on the steering wheel to have an " <u>AMBER</u> " colored LED light to activate the warning lights		
89.	Warning light operating system to be wired directly to the chassis multi-plex system		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
90.	Warning light switch on the steering wheel to have an "RED" colored LED light to activate "override" feature		
91.	Warning light switch on the steering wheel to have an "override" feature. This feature allows the driver to open and close the door while the red warning lights and stop arm are "in operation". Driver has the ability to open and close the entrance door numerous times, with the red warning lights "ON", until the driver turns the system off		
92.	7" warning lights to have Quartz HALOGEN bulbs for increased visibility		
93.	Warning lights to have activation lights built into the dash instrument panel for easy viewing		
94.	Auxiliary defroster fan, mounted to the front header, mid-right over windshield with a separate switch		
95.	Auxiliary defroster fan, mounted mid-left over windshield with a separate switch		
96.	Body disconnect electrical cut-off relays, ignition controlled		
97.	Battery disconnect switch located in the battery box.		
98.	"LED" front cowl mounted 7" directionals or hood mounted dual faced turn signals		
99.	"LED" armor protected marker lights front, rear, and sides		
100.	"LED" armor protected side directional lights		
101.	"LED" recessed cluster lights- (3) front and (3) rear-total of 6. Lights to be recessed to protect them from tree branches and damage		
102.	"LED" 7" back up lights		
103.	"LED" 7" stop lights and 4" tail lights to operate when brake are applied- total of 4 brake lights		
104.	"LED" license plate light		
105.	Electric step well light wired to clearance lights.		
106.	Doran electronic monitor system for 16 exterior lights mounted in the front upper inner panel above the driver		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
107.	Three (3) "LED" ceiling mounted driver dome lights in the drivers area		
108.	3" red light mounted over rear emergency door		
109.	Radio speakers and dome lights to be installed in the wire access channel for quick access		
110.	Recessed mounted clearance and marker lights in the front and rear headers		
111.	Armor protected side marker lights		
112.	Low profile strobe light. Pilot light type switch on the driver's console to indicate strobe light is "on". Power pack located in a compartment the rear header for easy access		
113.	Back up alarm 112dba		
114.	Exterior warning lamp hoods over bulbs for increased visibility, front and rear. Hoods to be a single piece over both lights		
115.	Background of 8 lamp warning lights, front and rear, to be black		
116.	Backlit rocker switches for all vehicle accessories at driver's left side. Illumination controlled by rheostat switch.		
117.	Specialty Model 6980 electric stop arm. High Intensity, reflectorized, with "LED" STROBING cluster lights, double sided		
118.	Specialty Series 6000 "SOLID STATE" electric crossing arm. Control box to be sealed and integrated into the rear of the front bumper. A rubber seal, mounted to the box, and installed against front bumper to reduce moisture and dirt from entering the box is required		
119.	Crossing gate to have yellow poly type arm contoured to the bumper for protection and lower air disturbance		
120.	Crossing gate arm to be a minimum of 72" long		
121.	Crossing gate momentary interrupt switch located on the drivers switch panel		
122.	2-Way radio access plate mounted in the dash		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
123.	12 volt power point with plastic cover mounted in the drivers storage compartment		
124.	AM/FM/CD/CLOCK radio with public address system with 4 speakers		
125.	Interior speakers, with integrated holes, located in the wire access panel over the passenger windows for easy access		
126.	Red colored "Noise Suppression Switch" to be dash mounted. Switch to be labeled "NOISE" or "NO NOISE". Single switch to control all heater motors, defroster fans, and radio so that the driver can hear at intersections and railroad crossings		
127.	Post Trip Monitor-"No Student Left Behind" system accessory controlled, with alarm disable at rear of the bus by <u>pushing a button</u> , driver has 1 minute to disarm		
128.	Post Trip Monitor system to be wired to the headlamps and chassis horn to alert driver if they fail to check for students after the route		
129.	Dome light activation system- all interior dome lights to come on for 2 minutes when bus is turned to the "accessory" key position		
130.	Post Trip Monitor to be activated only when the warning lights system is activated for the first time on each trip		
131.	Pre-wiring for a 2 way radio. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled 2-way radio		
132.	Pre-wiring for a video. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled video		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
133.	Vertex EVX5300,VHF 136-147 MHZ,8 channels/1 group, 50 watts.Radio to be programmed to Palatine District 15 frequency. Radio to be installed in dash using Jotto desk face plate,Maxrad MLB5800-s antenna 17'RG58-U cable and crimp on PL-259 connector.		
134.	Lettering to read "COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15, PALATINE, IL"		
135.	"TO COMMENT ON MY DRIVING" decal with district's phone number 847-963-3785. Installed in the right rear window.		
136.	"VIDEO" warning stickers applied on the outside and inside of the bus		
137.	If manufacturers logos are installed on the roof, the logos to be mounted over first window on the left and first window on the right		
138.	All 3M reflective tape must be " <u>High Intensity Fluorescent</u> " diamond grade in lieu of regular "highly reflective" diamond grade		
139.	All amber and red reflectors on the front, sides, and rear to be 3M " <u>High Intensity Fluorescent</u> " diamond grade reflective tape, screw on type are not acceptable		
140.	3M " <u>High Intensity Fluorescent</u> " reflective tape type reflectors mounted on the front fenders above the headlamps- 2" x 5" minimum		
141.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape for the "SCHOOL BUS" signs front and rear		
142.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape, 2" stripe down sides		
143.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear end		
144.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear emergency door		
145.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all roof hatches		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
146.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all kickout windows		
147.	Paint- seat frames to be powder coated		
148.	Both sides of the rub rails to be "Heat Baked" primed and painted		
149.	Interior paint color to be white		
150.	White painted roof. Roof to be painted white beginning 5" above the window line with rounded corners		
151.	Static roof vent in the drivers ceiling area		
152.	Two (2) Transpec Model 1975 roof hatches		
153.	Two (2) rear tow hooks- left and right. Hooks to be mounted under rear bumper		
154.	Front mud flaps		
155.	Rubber anti-sail and anti-spray rear mud flaps		
156.	Rubber fenders around the rear wheel openings		
157.	Certificate holder- 9" X 6" envelope type		
158.	First aid kit mounted to the front header		
159.	Body fluid kit mounted to the front header		
160.	5 lb. fire extinguisher mounted on the floor in the drivers area		
161.	Triangle reflector kits to be secured <u>off the floor</u> to prevent damage. Kit to be mounted on a metal tray to the front barrier modesty panel		
162.	Compartment over the windshield, 47" long single piece door, with lever type latches, non-locking, centered over windshield		
163.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		
164.	Dealer to include all costs for title and license plates		

BIDDER COMPLIANCE ALTERNATE SPECIFICATIONS

**2017 USED SPECIFICATIONS  
MINIMUM CHASSIS SPECIFICATIONS**

1.	Specify chassis brand		
2.	276" wheelbase		
3.	Cummins ISB electronic in-line 6 cylinder turbo charged diesel engine		
4.	Engine to be 250 horsepower minimum- <u>specify horsepower</u>		
5.	Engine torque to be a minimum of <u>660 ft lbs.- specify ft.lbs.</u>		
6.	Warner FC-550 electrically activated "ON/Off" cooling fan for increased torque and horsepower while increasing fuel economy, engine performance, and quicker warm-up		
7.	Allison Electronic Series 2500PTS.		
8.	Transmission synthetic fluid		
9.	Air cleaner-dry element type with restriction gauge.		
10.	10,000 lb. front axle		
11.	Parabolic front springs- 10,000 lbs. for softer ride that improves driver and passenger comfort		
12.	Rear axle - 19,800 lbs.		
13.	Air Ride rear suspension- 21,000 lbs., 9.25" ride height		
14.	Rear axle ratio to be 5.13		
15.	Air brakes- anti-lock brakes-4 channel		
16.	Cummins 18.7 CFM air compressor		
17.	Front brakes- 16.5" x 5" minimum		
18.	Rear brakes- 16.5" x 7" minimum		
19.	Automatic slack adjusters		
20.	Dust shields front and rear brakes		
21.	Parking brake to be spring operated with treadle valve-dash mounted		
22.	Bendix AD-9 air dryer		
23.	Bendix DV-2 automatic drain valve		
24.	Air Brakes preferred. If not state what Hyd Brake system is on the Bus		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
25.	Chassis to have a <u>"park brake interlock"</u> system that requires the foot operated brake pedal to be depressed to release the parking brake. This will prevent movement if the park brake is accidentally released. <i>Safety item</i>		
26.	Chassis activated by a parking brake switch on the instrument panel includes key switch <u>"interlock"</u> . <u>Parking brake cannot be released until ignition switch is in run position</u> . This prevents the vehicle from moving if the park brake is accidentally released. <i>Safety item</i>		
27.	Minimum 200 amp alternator		
28.	Three batteries- 1950 CCA		
29.	Battery disconnect switch located in the battery box.		
30.	100 gallon fuel tank mounted between the rear frame rails		
31.	DEF tank, 12 gallons, frame mounted.		
32.	Fuel water separator with electric heater.		
33.	-40 degree anti-freeze, Extended Life Coolant		
34.	Tilt Steering Wheel.		
35.	Dash to have switches to active the <u>"regeneration"</u> of the particulate filter		
36.	Single <u>"STAINLESS STEEL"</u> exhaust system to exit through the rear bumper on the <u>left side</u> . 4" pipe to the Venturi and 6" to the bumper		
37.	Indicator lights on the instrument panel will illuminated with solid or flashing lights to indicate the level of regeneration required		
38.	Front tires, 11R x 22.5 16 ply radial		
39.	Rear tires- 11R x 22.5 -16 ply radial, all season mud and snow type		
40.	Accuride <u>"Steel ArmorTM"</u> Powder Coated Wheels. Hub piloted disc wheels, <u>2 hand hole</u> , 10 stud, 8.25" x 22.5", black.		
41.	Wheels and tires to be balanced before installation		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
42.	Fiberglass aerodynamic tilt hood with easy tilt feature		
43.	Engine noise abatement package		
44.	Hood to have built-in open and close assist.		
45.	Circuit breakers to be manual-reset SAE Type III with trip indicators in lieu of standard fuses		
46.	Engine fast warm up device, electronic, turbo charger controlled		
47.	Gauges to be plug-in type for easy replacement		
48.	Electronic fast idle control switch on the dash		
49.	Dual electric horns		
50.	750 Watt engine block heater minimum. Weather type cover with rubber insulated seal mounted in the center of the front bumper for easy access		
51.	Directional signals-self canceling		
52.	DEF fuel gauge mounted in the instrument cluster		
53.	Tachometer, voltmeter, and hourmeter		
54.	Transmission temperature gauge		
55.	<u>Low coolant</u> warning light and audible alarm		
56.	<u>Low fuel</u> warning light and audible alarm.		
57.	<u>Low DEF</u> warning light and audible alarm		
58.	Headlight dimmer switch to be integral with turn signal switch		
59.	Halogen headlamps to have <u>LEXAN PLASTIC</u> covers to prevent damage from rocks and road debris		
60.	Daytime running lights to be activated when transmission is shifted into gear. Lights to be "off" when the transmission is in neutral or park position		
61.	Tool-free headlight bulb replacement system		
62.	Headlamps to have audible alarm when lights are left on with ignition off		
63.	Visible oil pressure and water temperature gauges, and high temperature low oil pressure warning light and buzzer		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
64.	Electronic cruise control.		
65.	Frame rails to include grommets in all applicable openings		
66.	Front bumper- heavy duty .250 min		
67.	Two (2) front tow hooks		
68.	Winter front installed- yellow		
69.	Federal and state certification as required		
70.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		

**MINIMUM BODY SPECIFICATIONS**

		BIDDERS COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	71 passenger		
2.	33'5" body length <u>MINIMUM- specify body length</u>		
3.	78" Interior headroom		
4.	Large driver storage compartment- 1300 square inch minimum with cup holder located after the switch panel		
5.	Seats-39" high back		
6.	Buses to be equipped with 3 lap belts per seat.		
7.	Seat spacing-28.50"- <u>specify spacing</u>		
8.	Driver's seat-National <u>AIR SEAT</u> high back, 6 way adjustable, lumbar support, cloth insert, and storage pocket on back		
9.	Driver seat belt-3 point retractable shoulder belt to be wall mounted, "D Loop" type. 8" track on the wall for height adjustment. <u>Color to be BLAZE ORANGE.</u>		
10.	Entrance and rear door header pads- color to match seats		
11.	Padded shoulder rails		
12.	Entrance door to have an <u>ALUMINUM</u> frame with pin style hinges		
13.	Entrance door to be supported by the top doorframe, not resting on the stepwell. Ball bearings for easy movement		
14.	Electrically or air operated outward opening entrance door		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
15.	Door to have an "in motion interlock" feature so the door cannot be opened while the bus is in motion to reduce potential of accidental opening- <i>Safety Item</i>		
16.	Open/Close switch on the steering wheel to activate the electric entrance door. Driver is not required to remove hands from the steering wheel to activate		
17.	Open/Close door switch on the steering wheel to be backlit with a "GREEN" LED light		
18.	Exterior cowl mounted key to electrically operate the entrance door. Key to open/close the door and also secure the bus.		
19.	Entrance door to have non-corrosive handle mounted to the front door panel.		
20.	Entrance door area must have a clear opening of 36" x 78" MINIMUM. (Specify opening size)		
21.	Entrance steps to be a minimum of 36" wide for increase passenger access, the stepwell shall remain its full width with no taper from the bottom step to the top step		
22.	Three step entrance design, 14 gauge galvanized steel, complete stepwell to be undercoated and painted black.		
23.	Entrance steps risers to be equal in height-9"		
24.	Steps to have decal stating "WATCH YOUR STEP"		
25.	Stainless steel grab rail		
26.	Rear door to have a <u>slide bolt</u> type lock system		
27.	Slide bolt lock to be mounted at the bottom edge of the rear door buzzer box for easy access		
28.	Rear hold back device with plastic cover		
29.	Heavy Duty battery box, 25.5" wide minimum. "Drawer style" side sliding mechanism on both sides of the tray for minimum force to slide in and out. Tray to be designed not to tilt forward when opened. Tray to pull out so that the rear terminals will extend past the bus body		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
30.	Fuel door to be mounted flush with side of body		
31.	Koroseal rubber floor covering with ribbed center aisle		
32.	Koroseal " <u>Pebble Tread</u> " rubber step covering with white safety edge <u>for all three steps</u> . Step treads to have a non-metal backing and white safety edge		
33.	Aluminum aisle moldings		
34.	5/8" plywood flooring		
35.	Plywood floor secured with screws		
36.	Sender inspection plate inside body over fuel tank		
37.	Insulation- 1½" fiberglass in roof, and front and rear headers		
38.	Insulation- 1½" insulation between the windows and floor		
39.	Insulation in all roof bows		
40.	Deluxe diesel sound package with FULL LENGTH perforated headliner in the roof for noise reduction		
41.	Extended exterior skirt panel to be 20" long in lieu of 16"		
42.	Exterior side panels to extend from the windows to the floor level		
43.	Exterior lower skirt panel to extend from floor to bottom rub rail for ease of replacement if damaged		
44.	Fold down steps on front cowl		
45.	Four (4) full length exterior rub rails, painted black <u>flange to flange</u> - to be installed with buck type rivets.		
46.	Top of rub rails to be sealed with caulk and bottom to have drain holes		
47.	12" rear bumper with supports bolted to the chassis frame rails		
48.	12" rear bumper to have 6" exhaust pipe exit access hole		
49.	Aluminized steel inner side walls from window line to seat rail		
50.	All mirror wiring to run through the frame for protection from the environment and vandalism		
51.	Heated 8" x 12" flat and 8" x 6" convex mirrors on large "D" frame		
52.	Drivers side mirror to be visible through the driver's window for easy access		
53.	Heated Rosco crossview mirrors		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
54.	Crossview mirrors- large 4" x 7" metal backing plate installed on the inside of the hood to help prevent the hood from cracking where mounting hardware is attached. Brackets to be attached with lock nuts.		
55.	6" x 30" interior sun visor driver's side over the windshield		
56.	6" x 30" padded interior mirror		
57.	Windshield tinted to 73% light transmission and tinted band at the top		
58.	Wet-arm windshield wipers to be bottom mounted.		
59.	Windshield wiper washer fluid hoses to be integrated into the bus body cowl to keep lines from freezing. No hoses on the chassis hood cowl where they are exposed to snow and ice buildup		
60.	Wipers to have at least 2 speeds plus intermittent.		
61.	Headlamps to operate automatically when wipers are engaged		
62.	Rear tail lights to come on when windshield wipers are engaged		
63.	12" Aluminum split sash windows. Latch to be replaceable without removing window		
64.	Two (2) emergency push-out windows with 8" red lift handle- vertically hinged		
65.	All side and rear windows to be tinted- 28% light transmission		
66.	Window in rearmost side section		
67.	90,000 BTU left front heater		
68.	Washable air filter to be furnished for the driver's heater		
69.	Heater temperature control switch located on the drivers switch panel		
70.	Fresh air intake to be 32" x 10" with driver controlled switch		
71.	50,000 BTU right front heater		
72.	Washable air filter to be furnished for the stepwell heater		
73.	Defroster channel to be full width from side to side and include outlet under driver's window		
74.	84,500 BTU rear underseat heater		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
75.	Washable air filter to be furnished for the rear heater		
76.	One (1) <u>quarter turn</u> brass heater cut-off valve in driver area for service- <u>gate valve is not acceptable</u>		
77.	Two (2) <u>quarter turn</u> brass heater cut-off valves, butterfly type handles, under hood- <u>gate valves are not acceptable</u>		
78.	Bergstom Heater booster pump. Separate switch on the dash panel. Pump to be installed in the engine compartment		
79.	Circuit breakers to be manual-reset with trip indicators in lieu of standard fuses		
80.	Headlamps and wipers to have automatic resetting circuit breakers		
81.	Heavy duty color coded and continuously numbered wire –polyethylene		
82.	Grommets in all applicable openings to protect wiring from fraying and shorts		
83.	Locking exterior electrical access panel mounted below the driver's window 751 key.		
84.	Exterior electrical panel with wiring schematic attached to the door		
85.	Exterior light "Pre-Check" switch located on the dash which enables one person to complete a check of all exterior lights. This includes backup and brake lights. All lights to blink at the same time.		
86.	Warning light activation switch located on the steering wheel to start the 8 lamp system. Driver is not required to remove hands from the steering wheel or take eyes off the road to activate lights		
87.	Warning lights programmed to activate at road speed 55 mph or below		
88.	Warning light switch on the steering wheel to have an "AMBER" colored LED light to activate the warning lights		
89.	Warning light operating system to be wired directly to the chassis multi-plex system		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
90.	Warning light switch on the steering wheel to have an "RED" colored LED light to activate "override" feature		
91.	Warning light switch on the steering wheel to have an "override" feature. This feature allows the driver to open and close the door while the red warning lights and stop arm are "in operation". Driver has the ability to open and close the entrance door numerous times, with the red warning lights "ON", until the driver turns the system off		
92.	7" warning lights to have Quartz HALOGEN bulbs for increased visibility		
93.	Warning lights to have activation lights built into the dash instrument panel for easy viewing		
94.	Auxiliary defroster fan, mounted to the front header, mid-right over windshield with a separate switch		
95.	Auxiliary defroster fan, mounted mid-left over windshield with a separate switch		
96.	Body disconnect electrical cut-off relays, ignition controlled		
97.	Battery disconnect switch located in the battery box.		
98.	"LED" front cowl mounted 7" directionals or hood mounted dual faced turn signals		
99.	"LED" armor protected marker lights front, rear, and sides		
100.	"LED" armor protected side directional lights		
101.	"LED" recessed cluster lights- (3) front and (3) rear-total of 6. Lights to be recessed to protect them from tree branches and damage		
102.	"LED" 7" back up lights		
103.	"LED" 7" stop lights and 4" tail lights to operate when brake are applied- total of 4 brake lights		
104.	"LED" license plate light		
105.	Electric step well light wired to clearance lights.		
106.	Doran electronic monitor system for 16 exterior lights mounted in the front upper inner panel above the driver		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
107.	Three (3) "LED" ceiling mounted driver dome lights in the drivers area		
108.	3" red light mounted over rear emergency door		
109.	Radio speakers and dome lights to be installed in the wire access channel for quick access		
110.	Recessed mounted clearance and marker lights in the front and rear headers		
111.	Armor protected side marker lights		
112.	Low profile strobe light. Pilot light type switch on the driver's console to indicate strobe light is "on". Power pack located in a compartment the rear header for easy access		
113.	Back up alarm 112dba		
114.	Exterior warning lamp hoods over bulbs for increased visibility, front and rear. Hoods to be a single piece over both lights		
115.	Background of 8 lamp warning lights, front and rear, to be black		
116.	Backlit rocker switches for all vehicle accessories at driver's left side. Illumination controlled by rheostat switch.		
117.	Specialty Model 6980 electric stop arm. High Intensity, reflectorized, with "LED" STROBING cluster lights, double sided		
118.	Specialty Series 6000 "SOLID STATE" electric crossing arm. Control box to be sealed and integrated into the rear of the front bumper. A rubber seal, mounted to the box, and installed against front bumper to reduce moisture and dirt from entering the box is required		
119.	Crossing gate to have yellow poly type arm contoured to the bumper for protection and lower air disturbance		
120.	Crossing gate arm to be a minimum of 72" long		
121.	Crossing gate momentary interrupt switch located on the drivers switch panel		
122.	2-Way radio access plate mounted in the dash		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
123.	12 volt power point with plastic cover mounted in the drivers storage compartment		
124.	AM/FM/CD/CLOCK radio with public address system with 4 speakers		
125.	Interior speakers, with integrated holes, located in the wire access panel over the passenger windows for easy access		
126.	Red colored "Noise Suppression Switch" to be dash mounted. Switch to be labeled "NOISE" or "NO NOISE". Single switch to control all heater motors, defroster fans, and radio so that the driver can hear at intersections and railroad crossings		
127.	Post Trip Monitor-"No Student Left Behind" system accessory controlled, with alarm disable at rear of the bus by <u>pushing a button</u> , driver has 1 minute to disarm		
128.	Post Trip Monitor system to be wired to the headlamps and chassis horn to alert driver if they fail to check for students after the route		
129.	Dome light activation system- all interior dome lights to come on for 2 minutes when bus is turned to the "accessory" key position		
130.	Post Trip Monitor to be activated only when the warning lights system is activated for the first time on each trip		
131.	Pre-wiring for a 2 way radio. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled 2-way radio		
132.	Pre-wiring for a video. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled video		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
133.	Vertex EVX5300,VHF 136-147 MHZ,8 channels/1 group, 50 watts.Radio to be programmed to Palatine District 15 frequency. Radio to be installed in dash using Jotto desk face plate,Maxrad MLB5800-s antenna 17'RG58-U cable and crimp on PL-259 connector.		
134.	Lettering to read "COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15, PALATINE, IL"		
135.	"TO COMMENT ON MY DRIVING" decal with district's phone number 847-963-3785. Installed in the right rear window.		
136.	"VIDEO" warning stickers applied on the outside and inside of the bus		
137.	If manufacturers logos are installed on the roof, the logos to be mounted over first window on the left and first window on the right		
138.	All 3M reflective tape must be " <u>High Intensity Fluorescent</u> " diamond grade in lieu of regular "highly reflective" diamond grade		
139.	All amber and red reflectors on the front, sides, and rear to be 3M " <u>High Intensity Fluorescent</u> " diamond grade reflective tape, screw on type are not acceptable		
140.	3M " <u>High Intensity Fluorescent</u> " reflective tape type reflectors mounted on the front fenders above the headlamps- 2" x 5" minimum		
141.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape for the "SCHOOL BUS" signs front and rear		
142.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape, 2" stripe down sides		
143.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear end		
144.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear emergency door		
145.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all roof hatches		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
146.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all kickout windows		
147.	Paint- seat frames to be powder coated		
148.	Both sides of the rub rails to be "Heat Baked" primed and painted		
149.	Interior paint color to be white		
150.	White painted roof. Roof to be painted white beginning 5" above the window line with rounded corners		
151.	Static roof vent in the drivers ceiling area		
152.	Two (2) Transpec Model 1975 roof hatches		
153.	Two (2) rear tow hooks- left and right. Hooks to be mounted under rear bumper		
154.	Front mud flaps		
155.	Rubber anti-sail and anti-spray rear mud flaps		
156.	Rubber fenders around the rear wheel openings		
157.	Certificate holder- 9" X 6" envelope type		
158.	First aid kit mounted to the front header		
159.	Body fluid kit mounted to the front header		
160.	5 lb. fire extinguisher mounted on the floor in the drivers area		
161.	Triangle reflector kits to be secured <u>off the floor</u> to prevent damage. Kit to be mounted on a metal tray to the front barrier modesty panel		
162.	Compartment over the windshield, 47" long single piece door, with lever type latches, non-locking, centered over windshield		
163.	"ONE STOP" location for warranty and service on the ENTIRE bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		
164.	Dealer to include all costs for title and license plates		

EXHIBIT "B"  
 BID #17-006  
 SCHOOL BUS BID WITH OPTIONAL DVR CAMERA SYSTEM  
 COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15  
 SPECIFICATIONS FOR NEW 218" WB SIZE WHEELCHAIR PASSENGER  
 QUANTITY (1) ONE

Minimum specifications are listed below and each bidder must state to the right of the listed specifications the compliance details that pertain to the unit bid indicating size, quality, range and information as necessary to determine unit quality. If bidding on an alternate, you **MUST** indicate the alternate specifications in the space provided.

**MINIMUM CHASSIS SPECIFICATIONS**

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	2017-18 Chassis		
2.	218" Wheelbase		
3.	<u>Flat floor design</u> - no rear wheelwells		
4.	Engine to meet current emission standards		
5.	Cummins ISB electronic in-line 6 cylinder turbo charged diesel engine		
6.	Engine to be 240 horsepower minimum- <u>specify horsepower</u>		
7.	Engine torque to be a minimum of 560 ft.		
8.	Allison Electronic Series 2500PTS automatic transmission with overdrive		
9.	Allison transmission 5 year warranty in lieu of the standard 3 year		
10.	Synthetic fluid required for the 5 year extended warranty		
11.	Transmission to have (PB) park brake position with interlock for wheelchair equipped buses per the new Federal FMVSS 403 standard		
12.	Wheelchair Parking Brake Control for Automatic Actuation- when transmission shift is put into the park position, the parking brake applies automatically. Parking brake cannot be released until ignition switch is in the "ON" position and the service brakes are applied		
13.	Lift interlock- key must be in the "ON" or accessory position, park brake must be applied, transmission must be in neutral, lift door must be opened before lift can be activated		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
14.	Tow Warranty for the <u>Engine</u> . "Cummins will pay reasonable costs for towing a vehicle disabled by a Warrantable Failure to the nearest authorized repair location when necessary to make the repair for the first 2 years from the date of delivery of the Engine to the first user"		
15.	Tow Warranty for the Chassis and Body. 60 months/unlimited mile tow warranty. Warranty to cover the first \$275.00 for <u>ALL</u> service calls to the vehicle, the District's location, or towing to the nearest dealer for <u>warrantable</u> repairs		
16.	Aluminum Radiator- 2 row, cross flow, over under system, 717 sq .inch louvered, with 313 sq. inch charge air cooler. In-tank transmission cooler		
17.	<u>Low coolant</u> warning light and audible alarm		
18.	<u>Low fuel</u> warning light and audible alarm built into the instrument panel for easy viewing, programmable to customer spec		
19.	<u>Low DEF</u> warning lights and audible warning		
20.	Warner FC-550 electrically activated "ON/Off" cooling fan for increased torque and horsepower while increasing fuel economy, engine performance, and quicker warm-up		
21.	Air cleaner-dry element type with restriction gauge located on the air cleaner fire wall mounted		
22.	Front axle- 10,000 lbs. minimum		
23.	Parabolic front springs- 10,000 lbs. for softer ride that improves driver and passenger comfort		
24.	Oil lubricated front wheel bearings		
25.	Rear 19,800 lb. axle		
26.	Rear axle ratio to be 4.63		
27.	Air ride rear suspension, 21,000 lbs., 9.25" ride height with shocks		
28.	Direct double acting shock absorbers front and rear		
29.	Air brakes		
30.	Anti-lock brakes-4 channel		
31.	Front brakes- 15" x 4" minimum		
32.	Rear brakes- 16.5" x 7" minimum		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
33.	Automatic slack adjusters		
34.	Parking brake to be spring operated with treadle valve-dash mounted		
35.	18.7 CFM air compressor		
36.	Bendix AD-9 air dryer		
37.	Bendix DV-2 automatic drain valve		
38.	MGM rear brake chambers		
39.	Chassis to have a <u>"park brake interlock"</u> system that requires the foot operated brake pedal to be depressed to release the parking brake. This will prevent movement if the park brake is accidentally released		
40.	Idle management system that ramps up engine speed with low battery voltage when vehicle is stationary		
41.	325 amp alternator		
42.	Three batteries, 31-mhd, 1950 CCA		
43.	Battery disconnect switch located in the battery box.		
44.	DEF tank, 12 gallons, frame mounted outside frame rail after entrance door		
45.	Fuel tank- 65 gallon mounted between the frame rails in the rear of the chassis		
46.	Fuel tank must have heavy duty ICC guard mounted on the outside of the frame rails for additional protection		
47.	Fuel water separator with thermostatic fuel temperature controlled electric heater, filter/change indicator light, and fuel in water sensor on the dash		
48.	Tilt Steering Wheel.		
49.	Single "STAINLESS STEEL" exhaust system to exit through the rear bumper. 4" pipe to the Venturi and 6" to the bumper		
50.	Indicator lights on the instrument panel will illuminated with solid or flashing lights to indicate the level of regeneration required		
51.	Dash to have switches to active the "regeneration" of the particulate filter		
52.	Front and rear tires- 255/70R x 22.5 14 ply highway tread		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
53.	Accuride "Steel Armor™" Powder Coated Wheels. Hub piloted disc wheels, <u>2 hand hole</u> , 10 stud, 8.25" x 22.5", black		
54.	Wheels and tires to be balanced before installation		
55.	Fiberglass aerodynamic tilt hood with easy tilt feature		
56.	IP cluster display- on board diagnostics display of fault codes in the gauge cluster		
57.	Chassis circuit breakers to be manual-reset SAE Type III with trip indicators in lieu of standard fuses		
58.	Illuminated instrument panel with voltmeter, speedometer and fuel gauge		
59.	Gauges to be plug-in type for easy replacement		
60.	Electronic throttle control switch on the dash		
61.	Dual electric horns		
62.	750 Watt engine block heater. Chrome, weather type cover with rubber insulated seal mounted in the center of the front bumper for easy access		
63.	DEF fuel gauge mounted in the instrument cluster		
64.	Directional signals-self canceling		
65.	Tachometer,Hourmeter		
66.	Transmission temperature gauge		
67.	Headlight dimmer switch to be integral with turn signal switch		
68.	Daytime running lights to be activated when transmission is shifted into gear. Lights to be "off" when the transmission is in neutral or park position		
69.	Tool-free headlight bulb replacement system		
70.	Headlamps to have warning buzzer to operate when ignition is off and headlamps are on		
71.	Visible oil pressure and water temperature gauges, and high temperature low oil pressure warning light and buzzer		
72.	Electronic cruise control.		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
73.	The frame rails, axles, brake lines, and all accessories to be painted black before the body is installed to maximize rust and corrosion protection		
74.	Front bumper- heavy duty .250 min		
75.	Two (2) front tow hooks		
76.	Ignitions to be keyed alike		
77.	Internet WEB based product diagnostic tool. Tool to include all wiring diagrams, service manual, service technical bulletins, and repair history for the ENTIRE bus, chassis and body. Access from any computer that can connect to the internet		

**MINIMUM BODY SPECIFICATIONS**

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
1.	2017-18 model body		
2.	Flat floor design- no rear wheelwells		
3.	26'8" body length- <u>specify body length</u>		
4.	Air conditioning with a total 110,000 BTU's. Combination stepwell heater/air conditioning unit. Dash mounted air vents installed directly above the unit in the stepwell, above dash mounted radio, and left hand switch panel. Rear in-wall flush mounted air conditioning unit. Free blow system.		
5.	Air Conditioning warranty to be a minimum of <u>five (5) years</u> on the evaporators and condenser coils. The air conditioning company to exchange complete evaporators or coils if leak occurs. <u>Three (3) year</u> minimum on all other parts, components and approved labor. <u>Furnish copy of the warranty in the bid.</u>		
6.	78" Interior headroom		
7.	42 seated passengers and 1 open wheelchair position across from the lift- <u>SEE FLOOR PLAN</u>		
8.	Floor to have four (4) FULL LENGTH "L" tracks <u>RECESSED</u> in the floor on both the driver and passenger sides for all track mounted seats		

BIDDER COMPLIANCE ALTERNATE SPECIFICATIONS

9.	First row of seats, LH and RH to be 39" high back permanently mounted "CHILD RESTRAINT SEATS" with 2 built-in positions with 3 lap belts, mounted after the driver		
10.	Six (6) 39" high back, 4 legged, seats "L" track mounted on the driver's side after CRS seat		
11.	Six (6) 39" high back, 4 legged, seats "L" track mounted on the passenger side after CRS seat		
12.	All track mounted seats to be removable from the inside of the bus for wheelchair placement access		
13.	Buses to be equipped with 3 lap belts per seat. The female locking portion of the belt must be located towards the aisle side. The belt length to be a maximum of 7" from the frame so that the locking mechanism is just beyond the joint between the seat back and cushion.		
14.	39" high back barriers on the driver and passenger sides		
15.	Drivers side of the bus to accommodate up to 4 wheelchair positions with a minimum of 50" spacing with last position to be open		
16.	Passenger side of the bus to accommodate 3 wheelchair positions with a minimum of 50" spacing		
17.	Wheelchair lift to be located in rear section		
18.	Lift to be Braun model L919FIB Generation 2 ADA, 800lb, with dual handrails and emergency back-up pump		
19.	Braun lift power pack to be mounted on the front portion of the lift for easy access		
20.	Wheelchair Lift Interlock- with key in the "OFF" position, lift door must be opened before lift can be activated. With key in the "ON" or "ACCESSORY" position, park brake must be applied, transmission must be in (PB) PARK position, the lift door must be opened before lift can be activated		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
21.	Furnish four (4) sets of Shur-Lok Deluxe retractor type wheelchair tiedowns		
22.	<u>FULL LENGTH "L"</u> track over the windows for the wheelchair tiedown shoulder belts, driver and passenger sides		
23.	Single lift door to be 43" wide x 70" high		
24.	Include all required interior and exterior lights and warning buzzers		
25.	Lift door to have a <u>slide bolt</u> type lock.		
26.	Lift door hold back device with plastic cover		
27.	Large driver storage compartment-1300 square inch minimum with cup holder located after the switch panel		
28.	Seat upholstery to be Gray		
29.	Drivers seat-High back, 6 way adjustable, Gray cloth insert, and storage pocket on back		
30.	Driver seat belt-3 point retractable shoulder belt to be wall mounted, "D Loop" type. 8" track on the wall for height adjustment. <u>Color to be BLAZE ORANGE.</u>		
31.	Armrest for the drivers seat on aisle side		
32.	Barrier storage cover aft of driver, minimum 5 storage pockets		
33.	Entrance, lift, and rear door header pads		
34.	Entrance door to have an ALUMINUM frame with pin style hinges		
35.	Electrically operated outward opening entrance door		
36.	Door to have an <u>"in motion interlock"</u> safety feature so the door cannot be opened while the bus is in motion to reduce potential of accidental opening-Safety Item		
37.	Electric service Door		
38.	Bus must be in the stopped position to operate the electronic entrance door.		
39.	Duplicate Open/Close switch located on the driver switch panel to activate the electric entrance door		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
40.	Exterior cowl mounted key to <u>electrically operate</u> the entrance door. Key to open/close the door and also secure the bus.		
41.	All electric entrance door locks to be keyed alike. Key to match the current fleet		
42.	Entrance door to have non-corrosive handle mounted to the front door panel to open/close the door		
43.	Entrance door area must have a clear opening of 36" x 78" minimum. <u>Specify opening size</u>		
44.	Stainless steel stepwell, three step type, must be bolted or riveted, for replacement.		
45.	Entrance steps to be a minimum of 36" wide.		
46.	Entrance steps risers to be equal in height-9"		
47.	Stainless steel grab rail- left side		
48.	Stainless steel grab rail- right side		
49.	Rear door to be attached by an <u>INTERNAL</u> hinge system with zinc fittings. Piano type hinges are not acceptable		
50.	Rear door to have a <u>slide bolt</u> type lock system		
51.	Slide bolt lock to be mounted at the bottom edge of the rear door buzzer box for easy access		
52.	Rear hold back device with plastic cover		
53.	Fuel and battery doors to have 2 point hinges		
54.	Battery compartment tray to have <u>metal rollers</u> and to be <u>e-coated for long life</u>		
55.	Fuel door to be mounted flush with side of body		
56.	Locking DEF door. 751 key.		
57.	Floor color to be <u>DARK GRAY</u>		
58.	Koroseal " <u>Pebble Tread</u> " GRAY rubber step covering with white safety edge <u>for all three steps.</u>		
59.	Rubber step covering with white safety edge - one piece		
60.	<u>STAINLESS STEEL</u> aisle moldings		
61.	5/8" plywood flooring		
62.	Plywood floor secured with screws		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
63.	Sender inspection plate inside body over fuel tank		
64.	Insulation- 1 ½" fiberglass in roof, and front and rear headers		
65.	Insulation- 1 ½" insulation between the windows and floor		
66.	Deluxe diesel sound package with FULL LENGTH perforated headliner in the roof for noise reduction		
67.	Interior header panels, front and rear, to be removable to allow access to the roof cap area		
68.	Exterior side panels to be 16-gauge SMOOTH,		
69.	Exterior lower skirt panel to extend from floor to bottom rub rail for ease of replacement if damaged		
70.	Fold down steps on front cowl		
71.	Four (4) full length exterior rub rails, painted black <u>flange to flange</u> - to be installed with buck type rivets.		
72.	Top of rub rails to be sealed with caulk and bottom to have drain holes		
73.	12" rear bumper with supports bolted to the chassis frame rails		
74.	Aluminized steel inner side walls from window line to seat rail		
75.	Drivers side mirror to be visible through the drivers window for easy access		
76.	Heated Rosco open view rear view mirror system, 8"x12" flat and 8"x6" convex mirrors on large "D" frame.		
77.	Crossview mirrors- <u>large 4" x 7" metal backing plate</u> installed on the inside of the hood to help prevent the hood from cracking where mounting hardware is attached. Brackets to be attached with lock nuts. <u>Plastic is not acceptable</u>		
78.	6" x 30" interior sun visor drivers side over the windshield		
79.	6" x 30" padded interior mirror		
80.	Windshield tinted to 73% light transmission and tinted band at the top		
81.	Wet-arm windshield wipers to be bottom mounted.		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
82.	Windshield wiper washer fluid hoses to be integrated into the bus body cowl to keep lines from freezing. No hoses on the chassis hood cowl where they are exposed to snow and ice buildup		
83.	Wipers to have atleast 2 speeds plus intermittent.		
84.	Wiper controls to be located on the turn signal stalk		
85.	Headlamps to operate automatically when wipers are engaged		
86.	12" Aluminum split sash windows. Latch to be replaceable without removing window		
87.	Two (2) emergency push-out windows with 8" red lift handle		
88.	All side and rear windows to be tinted-28% light transmission		
89.	Rear side windows and the rear door upper window to be aligned		
90.	90,000 BTU left front heater		
91.	Washable air filter to be furnished for the driver's heater		
92.	Combination stepwell heater/air conditioning unit. Unit to have a 50,000BTU heater and 30,000BTU air conditioner		
93.	Washable air filter to be furnished for the stepwell heater/air conditioner unit		
94.	Defroster channel to be full width from side to side and include outlet under driver's window		
95.	80,000 BTU rear "WALL MOUNTED" heater after the wheelchair lift		
96.	Espar 42,000 BTU coolant heater installed with SOLID_PIPE, not flex. Must include an Espar 7 day Multi-Max F2000, with LED display, computer programmable timer with SD card mounted on the dash. Timer to be located in the side exterior electrical access panel. Dash mounted timer is not acceptable.		
97.	One (1) <u>quarter turn</u> brass heater cut-off valve in driver area for service		
98.	Two (2) <u>quarter turn</u> brass heater cut-off valves, butterfly type handles, under hood.		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
99.	Heater booster pump in engine compartment with switch on the driver's panel with pilot light		
100.	Chassis circuit breakers to be manual-reset with trip indicators in lieu of standard fuses		
101.	Headlamps and wipers to have automatic resetting circuit breakers		
102.	Heavy duty color coded and continuously numbered wire –polyethylene		
103.	Locking exterior electrical access panel mounted below the driver's window		
104.	Exterior electrical panel with wiring schematic attached to the door		
105.	Exterior light "Pre-Check" switch located on the dash which enables one person to complete a check of all exterior lights. This includes backup and brake lights.		
106.	Warning light operating system to be wired directly to the chassis multi-plex system		
107.	7" warning lights to have Quartz HALOGEN bulbs for increased visibility		
108.	Warning lights to have activation lights built into the dash instrument panel for easy viewing		
109.	Warning light activation switch located on the steering wheel to start the 8 lamp system.		
110.	Warning light switch on the steering wheel to have an "RED" colored LED light to activate "override" feature		
111.	Warning light switch on the steering wheel to have an "OVERRIDE" feature. This feature allows the driver to open and close the door while the red warning lights and stop arm are "in operation". Driver has the ability to open and close the entrance door numerous times, with the red warning lights "ON", until the driver turns the system off		
112.	Auxiliary defroster fan, mounted to the front header, mid-right over windshield with a separate switch		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
113.	Auxiliary defroster fan, mounted mid-left over windshield with a separate switch		
114.	Body disconnect electrical cut-off solenoid, ignition controlled		
115.	Exterior light mounted above the lift door to operate when door is opened		
116.	Interior light mounted over the lift to operate when door is opened		
117.	All exterior lights, except 8-ways and front fender turn lights, are to be LED. This includes 7" front and rear directionals, 7" back up, 7" stop and tail, cluster and marker, side directionals and 4" stop and tail with license plate light combo.		
118.	"LED" recessed cluster lights- (3) front and (3) rear-total of 6. Lights to be recessed to protect them from tree branches and damage		
119.	"LED" armor protected, roof side marker lights, located in the center, LH and RH		
120.	"LED" armor protected, side directional lights, each side, first section after entrance door and after stop arm		
121.	Electric step well light wired to clearance lights.		
122.	Drivers dome light with a separate switch.		
123.	Double row of dome lights mounted over window sections located in the wiring access panels above the side windows		
124.	AM/FM/CD/CLOCK stereo radio with public address system with 4 interior speakers		
125.	Interior speakers, with integrated holes, located in the wire access panel over the passenger windows for easy access		
126.	Low Profile strobe light with power pack located in the rear header		
127.	Strobe light switch to have pilot light		
128.	Back up alarm		
129.	Hoods over 8 lamp system-single piece		
130.	Background of 8 lamp warning lights, front and rear, to be black		



		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
131.	Backlit rocker switches for all vehicle accessories at driver's left side. Illumination controlled by rheostat switch.		
132.	Specialty Model 6980 electric stop arm. High intensity reflectorized, with Led strobing cluster lights, double sided.		
133.	Specialty Series 6000 "SOLID STATE" electric crossing arm. Control box to be sealed and integrated into the rear of the front bumper. A rubber seal, mounted to the box, and installed against front bumper to reduce moisture and dirt from entering the box is required		
134.	Crossing gate momentary interrupt switch located on the drivers switch panel		
135.	12 volt power point with plastic cover mounted in the drivers storage compartment		
136.	Red colored "noise suppression switch", dash mounted. Switch to be labeled "Noise" or "No Noise". Single switch to control all heater motors, defroster fans, and radio so that driver can hear at intersections and railroad crossing. Switch to be "on" or "off" type, <u>momentary switch is not acceptable</u>		
137.	Post Trip Monitor-"No Student Left Behind" system accessory controlled, with alarm disable at rear of the bus by <u>pushing a button</u> , driver has 1 minute to disarm		
138.	Dome light activation system- all interior dome lights to come on for 2 minutes when bus is turned to the "accessory" key position		
139.	Post Trip Monitor system to be wired to the headlamps and chassis horn to alert driver if they fail to check for students after the route		
140.	Lettering to read "COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15, PALATINE, IL"		
141.	Bus numbers to be located on all 4 sides of the bus and over the entrance door on the inside of the bus		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
142.	"VIDEO" warning stickers applied on the outside and inside of the bus		
143.	"TO COMMENT ON MY DRIVING" decal with the number 847-963-3785. Installed in the Right rear window		
144.	All 3M reflective tape must be " <u>High Intensity Fluorescent</u> " diamond grade in lieu of regular "highly reflective" diamond grade. Bidder must furnish sample with bid		
145.	All amber and red reflectors on the front, sides, and rear to be 3M " <u>High Intensity Fluorescent</u> " diamond grade reflective tape, screw on type are not acceptable		
146.	3M " <u>High Intensity Fluorescent</u> " reflective tape type reflectors mounted on the front fenders above the headlamps- 2" x 5" minimum		
147.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape for the "SCHOOL BUS" signs front and rear		
148.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape, 2" stripe down each side		
149.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear end		
150.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of the rear emergency door		
151.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all roof hatches		
152.	3M " <u>High Intensity Fluorescent</u> " reflective diamond grade tape around the perimeter of all kickout windows		
153.	Roof to be painted "WHITE"- starting 5" over the window line with rounded edges		
154.	Paint- seat frames to be powder coated		
155.	Interior paint color to be white		
156.	Two (2) Transpec Model 1975 roof hatches		
157.	Two (2) rear tow hooks		
158.	Certificate holder mounted on the front header		

		BIDDER COMPLIANCE	ALTERNATE SPECIFICATIONS
159.	First aid kit mounted to the front header		
160.	Body fluid kit mounted to the front header		
161.	5 lb fire extinguisher mounted on the floor in the drivers area		
162.	Triangle reflectors		
163.	Complete legal equipment and certification as required by State of Illinois		
164.	Internet based diagnostic tool included in the sale price. Tool to include all wiring diagrams, service manual, service technical bulletins, and repair history		
165.	Pre-wiring for a 2 way radio. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled 2-way radio		
166.	Pre-wiring for a video. Location to be in the exterior electrical access panel. Connections to be for power and grounding using a 20amp fuse protection. Must be labeled video		
167.	Vertex EVX5300, VHF 136-147 MHZ,8 channels/1 group,50 Watts. Radio to be programmed to Palatine District 15 frequency .Radio to be installed in dash using Jotto desk face plate, Maxrad MLB5800-s antenna,17' RG58-U cable and crimp on PL-259 connector		
168.	"One Stop" location for warranty and service on the entire bus. <u>Furnish locations, distance to the service location, and hours open for service</u>		
169.	Dealer to include all costs for title and license plates		
170.	Tow Warranty for the <u>Chassis and Body</u> . 60 months/unlimited mile tow warranty. Warranty to cover the first \$275.00 for ALL service calls to the vehicle, the District's location, or towing to the nearest dealer for warrantable repairs		



BID #17-006  
 SCHOOL BUSES WITH OPTIONAL DVR CAMERA SYSTEMS  
 COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15  
 SPECIFICATIONS FOR OPTIONAL DVR CAMERAS  
 QUANTITY (11) ELEVEN

Minimum specifications are listed below. All equipment must interface and functions as a system (one DVR and 3 cameras to a system). Indicate the manufacturer and model number of the equipment you are bidding in the space provided below.

**MINIMUM DVR CAMERA SYSTEM SPECIFICATION**

QTY	ITEM	DESCRIPTION	Manufacturer	Model	UNIT PRICE	EXTENDED PRICE
11	DVR DEVICES	DVR with (4) camera option. Solid state that records onto an SD card. Minimum 16 GB SD Card. All wiring to be mounted behind interior body panels out of sight. Software and installation included. 5 year warranty including software, DVR, and wiring.				
33	CAMERA	All cameras to have night vision. Cameras are to be mounted above the driver facing the stairwell; front bulkhead facing the back of the bus; and back bulkhead above the emergency door facing forward. All wiring to be mounted behind interior body panels out of sight. Software and installation included. 5 year warranty including software, camera, and wiring.				

TOTAL EXTENDED PRICE FOR EQUIPMENT & INSTALLATION \_\_\_\_\_



**SCHOOL BUSES WITH OPTIONAL DVR CAMERAS  
 BID FORM**

	<b>Unit Price</b>		<b>Extended Price</b>
Price for each 2018 NEW 71 Passenger bus	\$ _____	x _____ =	\$ _____
Make: _____ Model: _____			
Price for each 2016 USED 71 passenger bus	\$ _____	X _____ =	\$ _____
Make: _____ Model: _____			
Price for each 2017 USED 71 Passenger bus	\$ _____	x _____ =	\$ _____
Make: _____ Model: _____			
Price for each 2017 or 2018 NEW wheelchair lift bus	\$ _____	x 1 =	\$ _____
Make: _____ Model: _____			
<b>TOTAL BUSES BID</b>			\$ _____
Price for Optional DVR Camera Systems			\$ _____
<b>TOTAL BUSES WITH OPTIONAL DVR CAMERAS BID</b>			\$ _____
Trade in credit for 11 buses per exhibit "E"			\$ _____
<b>TOTAL BUSES NET BID</b>			\$ _____
<b>TOTAL BUSES WITH OPTIONAL DVR CAMERAS NET BID</b>			\$ _____

REMINDER: YOUR BID MUST BE SUBMITTED WITH EXHIBITS "A", "B", "C", "D" AND "E" IN A SEALED ENVELOPE CLEARLY LABELED SCHOOL BUSES WITH OPTIONAL DVR CAMERAS BY DECEMBER 21, 2016 @11:30.

**REQUIRED DELIVER DATE: WEEK OF JULY 10, 2017**

Can vendor meet this date? \_\_\_\_\_ YES \_\_\_\_\_ NO

Estimated delivery time: \_\_\_\_\_

\_\_\_\_\_  
 COMPANY NAME DATE OF BID RESPONSE

\_\_\_\_\_  
 ADDRESS

\_\_\_\_\_  
 AUTHORIZED NAME & SIGNATURE

EXHIBIT "D"  
BID #17-006  
SCHOOL BUSES  
DECEMBER 7, 2016  
COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15

NAME OF COMPANY: \_\_\_\_\_

ADDRESS OF BIDDER: \_\_\_\_\_

City                      State      Zip Code

SIGNATURE OF BIDDER: \_\_\_\_\_

TITLE: \_\_\_\_\_

PRINTED NAME OF BIDDER: \_\_\_\_\_

AREA CODE AND PHONE NUMBER: \_\_\_\_\_

(Area Code)

E-MAIL ADDRESS: \_\_\_\_\_

DATE OF BID RESPONSE: \_\_\_\_\_

1. The Board of Education, Community Consolidated School District 15, Palatine, Illinois, reserves the right to reject any or all bids and to waive any informality in bidding.
2. Having carefully examined all bid documents, as well as the proposed program, the undersigned hereby proposes to furnish all equipment and services (see attached letter outlining in detail the exact services proposed) set forth by the specifications, notice to bidders, general conditions and form of proposal herein referred to and described:
3. By entering into this Agreement, Contractor/Vendor certifies and warrants to the Board of Education that it is not barred from entering into this Agreement for any reason whatsoever, including, but not limited to, a violation of Section 33E-3 (Bid Rigging) or Section 33E-4(Bid Rotating) of the Illinois Criminal Code of 1961.
4. The contractor/vendor certifies that said contractor/vendor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4).
5. Vendor acknowledges receipt of addendum(s), if any. \_\_\_\_\_

**ITEM A**  
**71 PASSENGER BUSES**  
**QUANTITY = (10) TEN**  
**\*\* PRICING MUST INCLUDE BODY AND CHASSIS \*\***

<b>New Buses Model Year / Production Date</b>		
<b>NEW QUANTITY = _____ MAKE / MODEL</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
ITEM A – Body _____		
ITEM A – Chassis _____		
Extended Warranty: 5 years to include chassis and body *(submit warranty specifications with exhibit "D")		

<b>Used Buses Model/ Year / Mileage</b>		

<b>USED QUANTITY = _____ MAKE / MODEL</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
ITEM A – Body _____		
ITEM A – Chassis _____		

**ITEM B**  
**"New" 218" WB Size Wheelchair School Bus**  
**QUANTITY = 1**  
**\*\* PRICING MUST INCLUDE BODY AND CHASSIS \*\***

<b>New Buses Model Year / Production Date</b>		
<b>QUANTITY = 1 MAKE / MODEL</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
ITEM A – Body _____		
ITEM A – Chassis _____		
Extended Warranty: 5 years to include chassis and body *(submit warranty specifications with exhibit "D")		



EXHIBIT "E"  
 BID #17-006  
 SCHOOL BUSES WITH OPTIONAL DVR CAMERA SYSTEM  
 December 7, 2016  
 COMMUNITY CONSOLIDATED SCHOOL DISTRICT 15  
 2016 TRADE IN LIST

VEHICLE NUMBER	SEQ #	YEAR	MAKE	BODY	BODY #	VEHICLE ID NUMBER	FUEL TYPE	PURCHASE DATE	LICENSE NUMBER	CAP	DPT	Mileage	TRADE IN VALUE
231	0	2005	BLUEBIRD	BLUEBIRD	B105519	1BAKFCKHX 5F222491	D	6/22/2004	47 982SB	65	SB	119,000	
232	0	2005	BLUEBIRD	BLUEBIRD	B107470	1BAKFCKH0 5F225870	D	6/22/2004	47 904SB	65	SB	121,000	
233	0	2005	BLUEBIRD	BLUEBIRD	B107471	1BAKFCKH2 5F225871	D	6/22/2004	47 983SB	65	SB	110,000	
237	0	2005	BLUEBIRD	BLUEBIRD	B107475	1BAKFCKHX 5F225875	D	7/15/2004	47 908SB	65	SB	112,000	
238	0	2005	BLUEBIRD	BLUEBIRD	B107476	1BAKFCKH1 5F225876	D	7/15/2004	47 909SB	65	SB	117,000	
348	0	2004	BLUEBIRD	BLUEBIRD	B100873	1BABDCOA5 4F216835	D	9/5/2003	44 740SB	0 / WC	SB	135,000	
371	0	2002	BLUEBIRD	BLUEBIRD	LO49257	1BAAGCPA2 2F203322	D	7/25/2001	38 288SB	65	SB	171,000	
372	0	2002	BLUEBIRD	BLUEBIRD	LO49258	1BAAGCPA4 2F203323	D	7/25/2001	38 289SB	65	SB	151,000	
374	0	2002	BLUEBIRD	BLUEBIRD	LO49260	1BAAGCPA8 2F203325	D	7/25/2001	38 291SB	65	SB	144,000	
375	0	2002	BLUEBIRD	BLUEBIRD	LO49261	1BAAGCPAX 2F203326	D	7/25/2001	38 292SB	65	SB	149,000	
376	0	2002	BLUEBIRD	BLUEBIRD	LO49262	1BAAGCPA1 2F203327	D	7/25/2001	38 293SB	65	SB	149,000	

Total Trade In Value: \_\_\_\_\_