

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary State of Oklahoma

Lead Agency Authorized to Act on Behalf of the Beneficiary Oklahoma Department of Environmental Quality
(Any authorized person with delegation of such authority to direct the Trustee delivered to the Trustee pursuant to a Delegation of Authority and Certificate of Incumbency)

Action Title:	Oklahoma Alternative Fuel School Bus Program FY18
Beneficiary's Project ID:	OK-AFSB-1
Funding Request No.	<i>(sequential)</i> 3
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input checked="" type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
Funding Request & Direction (Attachment A)	<input checked="" type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Section 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)</u>
Action Type	<input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1): Pages 2-3 of the Oklahoma BMP discuss the use of VW Trust funds for the Alternative Fuel School Bus Program.	
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2): This project removes from service 32 diesel school buses from various school districts across the state. The engine model years on these project buses range from 1994 to 2009. They will be replaced with 32 new alternative fuel (4 CNG and 28 LPG) buses. These projects will reduce air pollution exposure among children across the state, which is impactful because children constitute a sensitive population. Expected lifetime emissions benefits, according to the Diesel Emissions Quantifier, are 12.92 short tons of NOx, 0.78 short tons of PM2.5, 1.48 short tons of HC, 5.01 short tons of CO, and 2,372.5 short tons of CO2.	
Estimate of Anticipated NOx Reductions (5.2.3): Expected lifetime NOx reductions from this project are 12.92 short tons, according to the Diesel Emissions Quantifier.	
Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1): Oklahoma Department of Environmental Quality	
Describe how the Beneficiary will make documentation publicly available (5.2.7.2). Page 14 of the Oklahoma BMP describes how DEQ will make information pertinent to the VW Trust publicly available. In addition, Oklahoma DEQ maintains a website which includes webpages containing information in regard to Oklahoma VW programs. The Oklahoma VW website is at: http://www.deq.state.ok.us/aqdnew/vwsettlement/index.htm . Oklahoma DEQ also operates a mailing list for the VW programs.	
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8). Per page 4 of the Request for Proposals issued by DEQ, each project partner of a government-owned vehicle was required to pay at least 50% of the cost of the new alternative fuel bus; all applicants were government entities and therefore subject to this cost-share requirement. Five out of the eleven project partners provided more than the minimum match; matches provided by project partners ranged from 50% to 57.2%.	
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9). Oklahoma DEQ sent notice by USPS and email to the representatives from the U.S. Department of the Interior and the U.S. Department of Agriculture listed in subparagraph 4.2.8 of the State Trust Agreement on February 15, 2018.	

If applicable, describe how the mitigation action will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).

Impact on communities that have historically borne a disproportionate share of the adverse impacts of NOx emissions was one of the metrics by which all project applications for this program were ranked and awarded. Projects which were located in counties with historically high ozone concentrations received priority over projects which were not. Out of the 11 project partners covered by this D-4, 7 are located in potential ozone nonattainment counties, 5 are located in counties with the highest mobile-source NOx emission ranking for Oklahoma, 6 are located in counties containing greater than 1% of the State's registered Volkswagen Settlement Subject Vehicles, and 11 are located along a major interstate.

ATTACHMENTS
(CHECK BOX IF ATTACHED)

- Attachment A** **Funding Request and Direction.**
- Attachment B** **Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).**
- Attachment C** **Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).**
- Attachment D** **Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6). [Attach only if project involves vendor expenditures exceeding \$25,000.]**
- Attachment E** **DERA Option (5.2.12). [Attach only if using DERA option.]**
- Attachment F** **Attachment specifying amount of requested funding to be debited against each beneficiary's allocation (5.2.13). [Attach only if this is a joint application involving multiple beneficiaries.]**

CERTIFICATIONS

By submitting this application, the Lead Agency makes the following certifications:

- 1. This application is submitted on behalf of Beneficiary State of Oklahoma, and the person executing this certification has authority to make this certification on behalf of the Lead Agency and Beneficiary, pursuant to the Certification for Beneficiary Status filed with the Court.**
- 2. Beneficiary requests and directs that the Trustee make the payments described in this application and Attachment A to this Form.**
- 3. This application contains all information and certifications required by Paragraph 5.2 of the Trust Agreement, and the Trustee may rely on this application, Attachment A, and related certifications in making disbursements of trust funds for the aforementioned Project ID.**
- 4. Any vendors were or will be selected in accordance with a jurisdiction's public contracting law as applicable. (5.2.5)**
- 5. Beneficiary will maintain and make publicly available all documentation submitted in**

ATTACHMENT B
PROJECT SCHEDULE AND MILESTONES

PROJECT MANAGEMENT PLAN
PROJECT SCHEDULE AND MILESTONES:

Action	Start Date	End Date
Subgrant Program Development	February 24, 2018	November 15, 2018
Solicitation of Project Partners (RFP)	October 16, 2018	December 20, 2018
Announce Funding	October 16, 2018	December 20, 2018
Accept Applications	October 16, 2018	December 20, 2018
Make Subawards	January 11, 2019	January 25, 2019
Complete MOAs for Awardees	January 28, 2019	April 30, 2019
Project Implementation	April 30, 2019	September 2021
Procurement and Installation of Equipment	April 30, 2019	September 2021
Monitoring and Oversight of Project	April 30, 2019	September 2021
Reporting	July 30, 2019	January 30, 2021
Project Completion Date	September 1, 2021	September 1, 2021

PROJECT BUDGET:

Project Description	Project Partner	Project Sub-Total	Amount Funded by Trust	Amount Funded by Project Partner
Replacement of two 1999 diesel school buses, one 2007 diesel school bus, one 2008 diesel school bus, and one 2009 diesel school bus with five EPA-certified 2017 or newer Propane/LPG school buses	Anadarko PS	\$453,910	\$226,955	\$226,955
Replacement of one 1994 diesel school bus and one 1998 diesel school bus with two EPA-certified 2017 or newer Propane/LPG school buses	Bethany PS	\$186,688	\$90,000	\$96,688
Replacement of one 2004 diesel school bus and one 2007 diesel school bus with two EPA-certified 2017 or newer Propane/LPG school buses	Keys PS	\$190,000	\$90,836	\$99,164
Replacement of two 1997 diesel school buses, one 1998 diesel school bus, and two 1999 diesel school buses with five EPA-certified 2017 or newer Propane/LPG school buses	Lawton PS	\$430,000	\$215,000	\$215,000
Replacement of one 1996 diesel school bus and one 2006 diesel school bus with two EPA-certified 2017 or newer Propane/LPG school buses	Mangum PS	\$181,564	\$88,966	\$92,598
Replacement of one 2006 diesel school bus with one EPA-certified 2017 or newer Propane/LPG school bus	McCord PS	\$81,456	\$36,655	\$44,801
Replacement of two 2004 diesel school buses and one 2005 diesel school bus with three EPA-certified 2017 or newer Propane/LPG school buses	Perkins-Tryon PS	\$256,184	\$128,092	\$128,092
Replacement of one 2003 diesel school bus and two 2007 diesel school buses with three EPA-certified 2017 or newer Propane/LPG school buses	Ponca City PS	\$83,955	\$41,977.50	\$41,977.50
Replacement of one 2005 diesel school bus with one EPA-certified 2017 or newer Propane/LPG school bus	Stroud PS	\$106,137	\$45,418	\$60,719
Replacement of three 2005 diesel school buses and one 2008 diesel school bus with four EPA-certified 2017 or newer CNG school buses	Weatherford PS	\$431,520	\$215,760	\$215,760
Replacement of three 1999 diesel school buses and one 1995 diesel school bus with four EPA-certified 2017 or newer Propane/LPG school buses	Wellston PS	\$323,088	\$161,544	\$161,544
	Administrative	\$176,568.96	\$176,568.96	\$0.00
	Project Totals	\$2,901,070.96	\$1,517,772.46	\$1,383,298.50
	Percentage	100%	52.32%	47.68%

PROJECTED TRUST ALLOCATIONS

1. Anticipated Project Funding Request to be paid through the Trust	\$1,517,772.46
2. Anticipated Cost Share	\$1,383,298.50
3. Anticipated Total Project Funding (line 1 plus line 2)	\$2,901,070.96
4. Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation*	\$466,178.04*
5. Cumulative Unused Trustee Payments Returned to Trust from Previous Funding Requests	\$0.00
6. Net Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation (line 4 minus Line 5)	\$466,178.04
7. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$1,517,772.46
8. Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (line 6 plus line 7)	\$1,983,950.50
9. Initial Beneficiary Share of Trust Funds	\$20,922,485.12
10. Beneficiary Share of Estimated Funds Remaining in Trust (line 9 minus line 6)	\$20,456,307.08
11. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 10 minus line 7)	\$18,938,534.62

* This line item includes the sum of cost requests from the following submitted D-4 funding requests, regardless of whether or not funds have been received by DEQ: Funding Requests #1 and #2

ATTACHMENT C

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

Per Subparagraph 5.2.11 of the Environmental Trust Agreement for State Beneficiaries (“Trust Agreement”), Beneficiaries must set forth a “detailed plan for reporting on Eligible Mitigation Action implementation” to be included in an Appendix D-4 funding request. The Oklahoma Department of Environmental Quality (DEQ) plans to report per 5.3 of the Trust Agreement and Sections H and I of DEQ’s DERA Cooperative Agreement with EPA.

DEQ is committed to meeting reporting requirements consistent with Subparagraph 5.3 of the Trust Agreement, as set forth below:

For each Eligible Mitigation Action, no later than six months after receiving its first disbursement of Trust Assets, and thereafter no later than January 30 (for the preceding six-month period of July 1 to December 31) and July 30 (for the preceding six-month period of January 1 to June 30) of each year, each Beneficiary shall submit to the Trustee a semiannual report describing the progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date). Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action. Beneficiaries may group multiple Eligible Mitigation Actions and multiple sub-beneficiaries into a single report. These reports shall be signed by an official with the authority to submit the report for the Beneficiary and must contain an attestation that the information is true and correct and that the submission is made under penalty of perjury. To the extent a Beneficiary avails itself of the DERA Option described in Appendix D-2, that Beneficiary may submit its DERA Quarterly Programmatic Reports in satisfaction of its obligations under 15 of 43 this Paragraph as to those Eligible Mitigation Actions funded through the DERA Option. The Trustee shall post each semiannual report on the State Trust’s public-facing website upon receipt.

ATTACHMENT D

Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000.

The cost estimates for alternatively fueled school bus projects ranged from \$77,707 to \$106,137 for new Type C propane/LPG school buses and \$107,880 to \$127,212 for new Type C CNG school buses. All buses purchased and that will be purchased are either propane-fueled or CNG-fueled vehicles that are replacing old diesel vehicles. During this round, DEQ received 26 cost estimates from selected recipients; two example estimates are attached for review.

	Fuel Type Estimates	
Bus Style	Propane/LPG	CNG
Type A	NA	NA
Type B	NA	NA
Type C	\$77,707 - \$106,137	\$107,880 - \$127,212
Type D	NA	NA



2500 South Meridian • Oklahoma City, OK 73108-1744
 Office: 405-681-6691 • Toll Free: 800-965-7677 • Fax: 405-681-6693

DISTRIBUTORS OF **BLUE BIRD** SCHOOL BUSES

Corporate Office

Ryan Ross, General Manager

Western Oklahoma Bus Sales

Randy Hicks, Sales Representative

BID TO: Anadarko Public Schools
ADDRESS: 1400 S. Mission Ave.
CITY/STATE/ZIP: Anadarko, Oklahoma 73005

CONTACT: Mr. Jerry McCormick, Supt.
TELEPHONE: 405-247-6605
BID DUE DATE: Immediate

GENERAL DESCRIPTION: State Bid Contract SW110

2020 Model Year, Blue Bird, BBCV3303 Conventional (Type C) School Bus

71 Passenger Capacity – Propane Powered

SPECIFICATIONS:

AIR CONDITIONER: 137,500 Total BTU, FRT & Rear In-wall Evaporators (55K per), Driver's Dash A/C (27.5K) – **Roof Mounted Condensers**
Note: Air-Conditioner is Blue Bird (OEM) installed and warranted

ALTERNATOR: 280 amp, Leece Neville, 12 volt

AXLES, SPRINGS & SHOCK ABSORBERS:
 Front axle: 12,000# rating, oil lubed bearings
Front springs: 8,500# capacity, "Softek" Parabolic tapered leaf
 Rear axle: 21,000# capacity, 5.29:1 ratio, oil lubed bearings
Rear springs: 21,000# capacity, 2-Stage
 Shocks absorbers: Direct acting, front and rear

BACKUP ALARM: 112DB Safety alarm - operates while in reverse gear

BATTERIES: Three (3), 12 volt, Group 31, 2100 cca rating, enclosed with sliding tray & locking latch

BODY ELECTRIC PANEL: Exterior under driver window, with key lock

BRAKE SYSTEM: "Meritor Quadraulic," Hydraulic System w/ Anti-lock (ABS)
 Disc type front & rear, 70MM dual system (4) pistons per caliper
 Dust Shields, Brakes, front and rear

BUMPERS: Parking Brake: 9" diameter x 3" wide, internal expanding, transmission mounted w/ interlock

CERTIFICATION: Front-15" x 3/16", steel – Rear -12" x 3/16", steel
 Colorado Rack & Kentucky Pole Test Certified

CHILD REMINDER: Altoona Tested

CIRCUIT PROTECTION: Doran, Sleeping Child Check System, Warning Light Activated

COWL STEPS & GRIP HANDLES: Manual resetting circuit breakers on body circuits

DOORS: Entrance: Mounted LH & RH at windshield

DOORS: Exit: **Double Outward type with Manual Door Control**

Entrance door laminated glass, tinted 70% light transmittal

3-step step-well with black rubber, ribbed step treads

Rear center mounted with upper/lower glass, tinted 30% light transmittal

Retainer to hold door open

Header Pad: (Entrance & Rear Exit Door): Black self-skinning foam

Vandal Locks: Entrance door equipped with key lock

EMERGENCY EQUIPMENT: Rear door equipped with sliding bolt interlock

5lb Fire Extinguisher, First Aid Kit, Warning Devices, Body Fluid Cleanup Kit & Seatbelt Cutter

Per Oklahoma Requirements

EMERGENCY EXITS:

2020 model – 71 passenger Conventional School Bus – **Propane Powered** – Blue Bird Vision

Roof Hatches: Two (2) Safe Fleet combination escape hatch/vents
 Push-out windows: Vertical Hinged, two (2) per side – four (4) per body

ENGINE:		Ford®, 6.8L V-10 Engine, Propane Powered (OBD,2018)
Number of Valves/Cylinders:		Three (3) Valve
Cylinder Block Material / Cylinder Head Material:		Cast Iron / Aluminum
Oil Capacity / Type:		7.9L quarts / 5W-30
Horsepower rating:		320hp @ 3900rpm
Torque rating:		460 lb-ft @ 3000rpm
Governor, Road Speed:		75MPH
ENGINE COOLING SYSTEM:		De-aeration system with tank & sight glass -34 Degrees Fahrenheit
ENGINE EQUIPMENT:		Engine warning system, low oil pressure/high water temperature Cruise Control
	<u>ROUSH® Clean Tech Technology:</u>	Advanced Fuel System Filtration Liquid Propane Injection (LPI) Monoblock Fuel Rail System Fuel system quick connects Fuel Rail Pressure Control Automated one touch starting system Integrated Control System Dual electronically controlled fuel pumps
ENGINE NOISE REDUCTION:		Firewall Insulation, Driver's Area
EXHAUST:		First two (2) ceiling panels (driver & 1st section): acoustic headlining, Solid aft to Rear Primary Ford: Piping, Catalytic Converter, Muffler and mounting hardware Tailpipe exits through rear bumper
FLOOR COVERING:		Heavy Duty Black Rubber with aluminum aisle trim 5/8" plywood subflooring over steel floor, affixed with screws
FUEL TANK:		98 US-Gal Total Capacity, mounted between frame rails Usable Propane Fuel Capacity – 93 US-GAL Floor mounted inspection plate, locking fuel tank access door
GAUGES:		Speedometer, trip-odometer, tachometer, seven-digit odometer, clock, voltmeter Oil pressure, coolant temperature, transmission temperature, fuel gauge
GLOVE BOX / CONSOLE:		Glove box - below windshield, right side w/ latch & Console mounted armrest
HEADROOM:		Extra height headroom, 77 inches (6'5") at center aisle
HEATERS:	Left front heater & defroster: Right front heater & defroster: Rear under seat heater: Heater water booster pump: Dual defroster fans:	90,000/btu 50,000/btu 80,000/btu 12 volt, on/off switch Mounted upper center & upper left, 2-speed switch
HOOD & FENDERS:		Fiberglass lifting hood & fenders
HORNS:		Dual electric horns
INSULATION:		Fiberglass/mineral wool, full body insulated
LETTERING:		Name of school district on beltline GVWR, Capacity & Height - Exterior
LIGHTS:	Backup lights: Clearance lights: Identification lights: Directional lights: Directional lights, side: Dome lights: Monitor: Pre-Trip: Step-well light: Stop & Tail lights: Strobe Light: Warning lights:	Two (2) clear lens, 4" -rear, LED Two (2) amber lens, grommet mount -front / Two (2) red lens, grommet mount -rear, LED Three (3) amber lens, grommet mount -front / Three (3) red lens, grommet mount -rear, LED Two (2) amber lens -front, fender mounted / Two (2) amber lens, 7" -rear, LED One (1) amber lens, per side, LED Two rows, mounted above passenger seats, 15-candle power Single dome light for driver's area, separate switch Doran 16-light monitor mounted in driver area Exterior Light Test w/ Switch Interior, operates with door control, incandescent Two (2) red lens, 4" & Two (2) red lens, 7" -rear, LED Rear Roof Top Condenser Mounted, wired to switch w/ Guard Eight (8) light system, non-sequential, LED with hoods
MIRRORS:	Exterior rearview: Exterior cross-view: Interior rearview:	ROSCO, Open View (ES) Split Mirror System, 7"x10" Flat Mirror & 7"x 10" Convex Mirror Rearview exterior mirrors have black powder coated steel brackets ROSCO, Eye-Max-LP Asymmetric Shaped Mirrors Bell-Mount brackets for Cross-view Mirrors All exterior mirrors are electrically heated, Rearview (exterior) are heated & remote controlled 6"x30" flat mirror, padded edge
MUD FLAPS & FENDERS:		Black rubber mud flaps, front and rear Black rubber fenders at rear wheel-housing opening
PAINT:	Exterior: Exterior roof: Warranty (Paint):	National School Bus Yellow with black trim White Two (2) year discoloration & Five (5) year adhesion
PANELS:	Exterior:	Side, 20-gauge Fluted, 19/34" Skirts Roof sheets, constructed of 20-gauge galvanized steel (window header to window header)

POWER SOCKET:	Interior	Ceiling Panels: 22-gauge steel, double-hemmed w/ rivet installation (No screws)
RADIO:		12 volt, mounted in switch panel, for cell phone, etc.
REFLECTIVE TAPE:		AM-FM-MP3-USB-PA Radio with eight (8) interior speakers
		3M™ reflective vinyl, yellow
		"SCHOOL BUS" in 8" black letters on 3M™ yellow reflective background, Front and Rear
RUB RAILS:		Side & rear marker strips - marker strip surrounds each emergency exit
SEATS:	Passenger:	Four (4) double-ribbed, 16-gauge steel exterior body rub rails, painted black
	Upholstery:	DOT approved High Back School Bus Bench Seats
	Driver:	Grey Fire Block Upholstery
		National Hi-back seat w/ mechanical pedestal & RH armrest
STEERING:		Charcoal Cloth Upholstery, Orange shoulder harness & lap belt restraint
STOPARM:		Hydraulic power, tilt & telescoping wheel , 50 degree wheel cut
SUNVISOR:		18" octagon sign w/flashing red lights, electric, LED
SWITCHES:		6.5"X30", Green plexi-glass, padded edge
TIRES & RIMS:	Front:	Rocker type switches w/ latching noise suppression switch
	Rear:	Cooper, 11R22.5, Tubeless Radial, LRH, Highway tread
	Rims:	Cooper, 11R22.5, Tubeless Radial, LRH, Traction tread
TOW HOOKS:		22.5 x 8.25, 10-Stud, Hub Piloted, Disc Rims
TRANSMISSION:		Dual hooks, front and rear, chassis frame mounted
		Ford®, 6R140 - 6 Speed Automatic, Calibrated for "Power-shift" (Performance)
		High efficiency fluid filter and thermostatically controlled cooler circuit
		Premium Low viscosity transmission fluid
UNDERCOATING:		Underneath body fully undercoated
WINDOWS:	Side, split sash:	Tinted to allow 30% light transmittal
	Rear, fixed panel:	Tinted to allow 30% light transmittal
	Entrance Door-& Driver Window:	Tinted to allow 70% light transmittal
WINDSHIELD:		Two (2) piece curved, shaded safety plate
WINDSHIELD WIPERS:		Electric, intermittent speed, w/washers
WIRING:	Chassis:	Multiplex chassis wiring w/ LED readout on module
	Body:	Colored and continuously number coded in molding on top of side windows
WHEELBASE:		273" wheelbase
WARRANTY:	Blue Bird Body & Chassis:	Five (5) year/100,000 mile <u>Limited Warranty</u>
	Ford® / ROUSH® Clean Tech: Powertrain / Fuel System:	Five (5) year/Unlimited miles Warranty

.....
 This Blue Bird School Bus meets the State of Oklahoma and Federal School Bus requirements, **effective for date of manufacture.**

SW110 State Bid Contract:

Supplier ID: 0000377141

H.1.7 – Type C, 66 to 71 Passengers	\$77,522.00, per bus
H.8.1.2 - Body:	\$710.00, additional, per bus
H.8.1.4 – Air Conditioning Systems	\$7,800.00, additional, per bus
H.9.1.2 - Alternative Engines (Propane)	\$4,750.00, additional, per bus
TOTAL UNIT COST, FOB: School	___\$90,782.00, per unit___

DELIVERY TIME: **___ 120 – 150 Days Upon PO ___**

Ryan Ross _____
 ROSS TRANSPORTATION, Inc.

_____ **BID ACCEPTED BY SCHOOL DISTRICT OFFICIAL**

12/20/2018 _____
 Date of Bid

_____ **Date of Acceptance**



2500 South Meridian • Oklahoma City, OK 73108-1744
 Office: 405-681-6691 • Toll Free: 800-965-7677 • Fax: 405-681-6693

DISTRIBUTORS OF **BLUE BIRD** SCHOOL BUSES

Corporate Office
 Ryan Ross, General Manager

Western Oklahoma Bus Sales
 Randy Hicks, Sales Representative

BID TO: Weatherford Public Schools
ADDRESS: 516 North Broadway St.
CITY/STATE/ZIP: Weatherford, Oklahoma 73096

CONTACT:
TELEPHONE:
BID DUE DATE:

Ronnie Hicks
580-774-9217
11/06/2018

GENERAL DESCRIPTION:

2020 Model Year, Blue Bird, BBCV3303 Conventional (Type C) School Bus

71 Passenger Capacity – CNG Powered

SPECIFICATIONS:

ALTERNATOR:	240 amp, Leece Neville, 12 volt
AXLES, SPRINGS & SHOCK ABSORBERS:	
Front axle:	12,000# rating, oil lubed bearings
Front springs:	10,000# capacity, "Softek" Parabolic tapered leaf
Rear axle:	21,000# capacity, 6.14:1 ratio, oil lubed bearings
Rear springs:	21,000# capacity, 2-Stage
Shocks absorbers:	Direct acting, front and rear
BACKUP ALARM:	112DB Safety alarm - operates while in reverse gear
BATTERIES:	Three (3), 12 volt, Group 31, 2100 cca rating, enclosed with sliding tray & locking latch
BODY ELECTRIC PANEL:	Exterior under driver window, with key lock
BRAKE SYSTEM:	Meritor Air Drum Brakes: 5" FRT / 7" Rear w/ Anti-lock (ABS);
	Bendix AD-9 Air Dryer, DV-2 Automatic, Heated Drain Valve installed on Air Wet tank & Automatic Slack Adjusters (Meritor)
	Dust Shields, Brakes, front and rear
	9" diameter x 3" wide, internal expanding, transmission mounted w/ interlock
BUMPERS:	Front-15" x 3/16", steel – Rear -12" x 3/16", steel
CERTIFICATION:	Colorado Rack & Kentucky Pole Test Certified
	Altoona Tested
CHILD REMINDER:	Doran, Sleeping Child Check System, Warning Light Activated
CIRCUIT PROTECTION:	Manual resetting circuit breakers on body circuits
COWL STEPS & GRIP HANDLES:	Mounted LH & RH at windshield
CUP HOLDER:	Dash mounted, retractable
DOORS:	Entrance: Double Outward type with Air Powered Door Control & three (3) position switch
	Entrance door laminated glass, tinted 70% light transmittal
	3-step step-well with black rubber, ribbed step treads
	Exit: Rear center mounted with upper/lower glass, tinted 30% light transmittal
	Retainer to hold door open
	Header Pad: (Entrance & Rear Exit Door): Black self-skinning foam
	Vandal Locks: Entrance door equipped with key lock
	Rear door equipped with sliding bolt interlock
EMERGENCY EQUIPMENT:	Per Oklahoma Requirements
	5lb Fire Extinguisher, First Aid Kit, Warning Devices, Body Fluid Cleanup Kit & Seatbelt Cutter
EMERGENCY EXITS:	

2020 model – 71 passenger Conventional School Bus – CNG Powered – Blue Bird Vision

Roof Hatches: Two (2) Safe Fleet combination escape hatch/vents
 Push-out windows: Vertical Hinged, two (2) per side – four (4) per body

ENGINE:	Ford® 6.8L V-10 Engine, CNG Powered	
Number of Valves/Cylinders:	Three (3) Valve	
Cylinder Block Material / Cylinder Head Material:	Cast Iron / Aluminum	
Oil Capacity / Type:	7.9 quarts / 5W-30	
Horsepower rating (SAE net):	269hp @ 3900rpm	
Torque rating:	386 lb-ft @ 3100rpm	
Governor, Road Speed:	75MPH	
ENGINE COOLING SYSTEM:	De-aeration system with tank & sight glass -34 Degrees Fahrenheit	
ENGINE EQUIPMENT:	Engine warning system, low oil pressure/high water temperature Cruise Control	
ENGINE NOISE REDUCTION:	Firewall Insulation, Driver's Area	
EXHAUST:	First two (2) ceiling panels (driver & 1st section): acoustic headlining, Solid aft to Rear Primary Ford: Piping Catalytic Converter, Muffler and mounting hardware Tailpipe exits through rear bumper	
FLOOR COVERING:	Heavy Duty Black Rubber with aluminum aisle trim 5/8" plywood subflooring over steel floor, affixed with screws	
FUEL TANK(S):	Three (3) - 15.97" x 95.5" Cylinders = 7692 SFC @3600 PSI @70F – Twenty (20) Year Expiration on Cylinders	
<i>Note: Please be aware that fuel cylinders for CNG must be inspected three (3) years after date of cylinder manufacture and re-inspected every three (3) years thereafter.</i>		
CNG to Diesel Equivalent is based on 138 SCF = 1 US Gallon		
Fill Location w/ Pressure Gauge and Manual ¼ Turn Cutoff Valve Located on RH side w/ Access Door and LH side w/ Access Door System Includes Two (2) Filters for Particulates and Coalescing. Filters located at the CNG Regulator Latching fuel tank access door NGV1 Fill Receptacle are intended for TIME FILL OPERATION		
<i>Note: System Complies with NFPA 52 Recommendations, NHTSA FMVSS 303 (Fuel System Integrity for Compressed Natural Gas Vehicles), and California Title 13 Specifications regarding CNG Vent Pipe Extending to Top of Vehicle Roof</i>		
GAUGES:	Speedometer, trip-odometer, tachometer, seven-digit odometer, clock, voltmeter Oil pressure, coolant temperature, transmission temperature, fuel gauge	
GLOVE BOX / CONSOLE:	Glove box - below windshield, right side w/ latch & Console mounted armrest	
HEADROOM:	Extra height headroom, 77 inches (6'5") at center aisle	
HEATERS:	Left front heater & defroster:	90,000/btu
	Right front heater & defroster:	50,000/btu
	Rear under seat heater:	90,000/btu
	Heater water booster pump:	12 volt, on/off switch
	Dual defroster fans:	Mounted upper center & upper left, 2-speed switch
HOOD & FENDERS:	Fiberglass tilting hood & fenders	
HORNS:	Dual electric horns	
INSULATION:	Fiberglass/mineral wool, full body insulated	
LETTERING:	Name of school district on beltline GVWR, Capacity & Height - Exterior	
LIGHTS:	Backup lights:	Two (2) clear lens, 4" -rear, LED
	Clearance lights:	Two (2) amber lens, grommet mount -front / Two (2) red lens, grommet mount -rear, LED
	Identification lights:	Three (3) amber lens, grommet mount -front / Three (3) red lens, grommet mount -rear, LED
	Directional lights:	Two (2) amber lens -front, fender mounted / Two (2) amber lens, 7" -rear, LED
	Directional lights, side:	One (1) amber lens, per side, LED
	Dome lights:	Two rows, mounted above passenger seats, 15-candle power Single dome light for driver's area, separate switch Doran 16-light monitor mounted in driver area Exterior Light Test w/ Switch
	Monitor:	Interior, operates with door control, incandescent
	Pre-Trip:	Two (2) red lens, 4" & Two (2) red lens, 7" -rear, LED
	Stop-wall light:	Rear Roof Mounted, LED, wired to switch
	Stop & Tail lights:	Eight (8) light system, non-sequential, LED with hoods
	Strobe Light:	ROSCO, Eye-Max-LP Asymmetric Shaped Mirrors
	Warning lights:	Bell-Mount brackets for Cross-view Mirrors
MIRRORS:	Exterior rearview:	ROSCO, Open View (ES) Split Mirror System, 7"x10" Flat Mirror & 7"x 10" Convex Mirror Rearview exterior mirrors have black powder coated steel brackets
	Exterior cross-view:	ROSCO, Eye-Max-LP Asymmetric Shaped Mirrors Bell-Mount brackets for Cross-view Mirrors
	Interior rearview:	All exterior mirrors are electrically heated, Rearview (exterior) are heated & remote controlled 6"x30" flat mirror, padded edge
MUD FLAPS & FENDERS:	Black rubber mud flaps, front and rear Black rubber fenders at rear wheel-housing opening	
PAINT:	Exterior:	National School Bus Yellow with black trim
	Exterior roof:	White

2020 model – 71 passenger Conventional School Bus – **CNG Powered** – Blue Bird Vision

