

Volkswagen Environmental Mitigation Trust

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

State of Alaska Project 004 – Fall 2019 School Bus Replacement

Prepared by



ALASKA ENERGY AUTHORITY

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary Alaska

Lead Agency Authorized to Act on Behalf of the Beneficiary Alaska Energy Authority
(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:	Fall 2019 School Bus Replacement
Beneficiary's Project ID:	34032
Funding Request No. (sequential)	004
Request Type:	• Advance
Payment to be made to:	• Beneficiary
Funding Request & Direction:	• Attached to this Certification (Attachment A)

SUMMARY

Eligible Mitigation Action Action Type	<ul style="list-style-type: none"> • Appendix D-2 item (specify): <u>EMA 2 Class 4-8 School Bus</u> • Item 10 - DERA Option (5.2.12):
Explanation of how funding request fits into Beneficiaries Mitigation Plan (5.2.1):	
<p>As described in the Alaska Beneficiary Mitigation Plan, Alaska intends to allocate approximately 50% of the State Trust for the replacement of school buses, to be distributed through two competitive RFA processes, one in spring 2019 and a second in the fall of 2019. Alaska Project 004 is for the replacement of 14 school buses that were selected from the fall 2019 applications.</p>	
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):	
<p>AEA will use VW Trust funds to replace 14 older diesel school buses with new cleaner diesel buses in the following school districts: Anchorage School District (6); Kenai Peninsula Borough School District (2); Kake City School District (1); Matanuska-Susitna Borough School District (1); and Southeast Island School District (4).</p> <p>Consistent with the Beneficiary Mitigation Plan, Alaska developed a competitive school bus replacement program where each bus was scored independently based on the location of its route of operation and the relative amounts of: 1) ambient on-road NOx emissions; 2) CAA non-attainment areas, CAA maintenance areas, or ambient diesel particulate matter (DPM) emissions; 3) EPA environmental justice index (EJI) of at-risk populations and their exposure to DPM; 4) EPA EJI of at-risk populations and their exposure to traffic proximity and volume; 5) voluntary matching funds; and 6) cost-effectiveness in the lifetime reduction of NOx. Buses operated in areas of relatively poorer ambient air quality or in areas of at-risk communities exposed to DPM, or traffic proximity and volume received higher scores as did bus replacements that would result in greater lifetime NOx reduction. Research shows there is no safe level of exposure to diesel particulate matter.</p>	

Estimate of Anticipated NOx Reductions (5.2.3):

The estimated lifetime reduction in NOx emissions is 9.9 short tons over the remaining life of the engines: Anchorage school buses (4.64 short tons); Kenai Peninsula Borough school buses (1.22 short tons); Kake City School District (0.45 short tons); Matanuska-Susitna Borough School District (0.42 short tons); and Southeast Island School District (3.13 short tons).

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):

Alaska Energy Authority

Describe how the Beneficiary will make documentation publicly available (5.2.7.2).

AEA will follow the guidance set forth in Appendix D-3. AEA will make records related to the VW Trust publicly available on AEA's website (<http://www.akenergyauthority.org/programs/vwsettlement>). Any VW Trust records not posted on AEA's website will be made available to the public under the Alaska Public Records Act (AS 40.25) and the Act's implementing regulations (2 AAC 96), unless one of the following applies: (1) the records are not "public records," as defined in AS 40.25.220(3); (2) the records are protected under state or federal law or otherwise exempt from disclosure under AS 40.25.120(a); (3) the records are excluded from the Act under another state statute; or (4) the records are readily available for public inspection—e.g., available on the Internet or "during state business hours in an agency's office or in a public library," 2 AAC 96.100(b). (The Alaska Public Records Act does not require AEA "to compile or summarize" records or "to manipulate its data to create new records." 2 AAC 96.210.)

Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).

The cost of the new diesel school buses, shipping, onboarding and scrappage of the old buses will be 100% funded with VW State Trust funds for three of the school districts while Kake City and Southeast Island School Districts are providing voluntary matching funds of \$15,000 and \$112,992, respectively. A detailed budget estimate is included in Attachment D.

Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).

Pursuant to subparagraph 4.2.8, within 30 days of the filed Notice of Beneficiary Designation listing Alaska as a Beneficiary of the State Trust, the Alaska Energy Authority provided a copy of the State Trust agreement to all federal agencies that have custody, control, or management of land within or adjacent to Alaska (National Park Service, US Forest Service, US Fish and Wildlife Service, Bureau of Land Management) via certified mail. AEA was not notified by the NPS, USFWS or BLM of their interest. During Alaska's public comment period regarding the draft Beneficiary Mitigation Plan, USFS staff from Tongass National Forest expressed interest in EV charging stations and electrification of the tour bus fleet in Juneau.

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).

Consistent with the Beneficiary Mitigation Plan, Alaska developed a competitive school bus replacement program where each bus was scored independently based on the location of its route of operation and the relative amounts of: 1) ambient on-road NOx emissions; 2) CAA non-attainment areas, CAA maintenance areas, or ambient diesel particulate matter (DPM) emissions; 3) EPA environmental justice index (EJI) of at-risk populations and their exposure to DPM; 4) EPA EJI of at-risk populations and their exposure to traffic proximity and volume; 5) voluntary matching funds; and 6) cost-effectiveness in the lifetime reduction of NOx. Buses operated in areas of relatively poorer ambient air quality or in areas of at-risk communities exposed to DPM, or traffic proximity and volume received higher scores as did bus replacements that would result in greater lifetime NOx reduction. Research shows there is no safe level of exposure to diesel particulate matter.

ATTACHMENTS
(CHECK BOX IF ATTACHED)

<input checked="" type="checkbox"/>	Attachment A	Funding Request and Direction
<input checked="" type="checkbox"/>	Attachment B	Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).
<input checked="" type="checkbox"/>	Attachment C	Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).
<input checked="" type="checkbox"/>	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.]

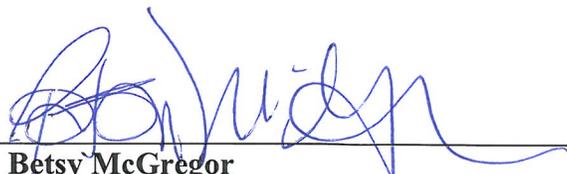
CERTIFICATIONS

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

1. This application is submitted on behalf of Beneficiary Alaska, 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 support of this funding request and all records supporting all expenditures of eligible mitigation action funds subject to applicable laws governing the publication of confidential business information and personally identifiable information. (5.2.7.2)

DATED:

1/6/2020



Betsy McGregor
Preliminary Design and Environmental Manager

Alaska Energy Authority

[LEAD AGENCY]

for

Alaska

[BENEFICIARY]

ATTACHMENT B
Project Management Plan
Schedule and Milestones

School Bus Replacement Milestone	Date
Lead Agency (AEA) provides Notice of Availability of Mitigation Action Funds for School Bus Repower/Replacement Program	September 16, 2019
AEA hosts one webinar to explain application process and use of the EPA Diesel Emission Calculator tool	October 10, 2019
Project Sponsors (School Districts) submit proposals to AEA	November 2019
AEA provides written approval of Project Sponsors' proposals	December 2019
AEA submits Project Certification (D-4) to Trustee for advance funded projects	January 2020
Trustee acknowledges receipt of D-4 and funding direction	March 2020
Trustee allocates share of funds to AEA for approved projects	March 2020
Grant/Contract agreements between AEA and School Districts signed for approved projects	March 2020
School Districts procure new buses; new buses delivered and on-boarded; old buses scrapped in approved manner	January 2020 – December 2022
School Districts certify project completion through submittal of evidence of old bus scrapping, invoices and other documents required for reimbursement	Within 30 days of project completion and no later than January 31, 2023
AEA reviews submissions, requests corrections if necessary, and provides reimbursement	Within 30 days of submittal and no later than February 28, 2023
AEA reports to Trustee semi-annually on status of mitigation actions completed and expenditures and reports project completion.	July 2020, January 2021, July 2021, January 2022, July 2022 January 2023, July 2023

Budget

Alaska Project 004 Period of Performance: 1/1/2020 - 02/28/2023			
Budget Category	Total Approved Budget	Share of Total Budget funded by VW Trust	Cost Share
Equipment Expenditure	\$1,885,620	\$1,773,860	\$111,760
Contract Support	\$0	\$0	\$0
Subrecipient Support	\$9,960	\$8,728	\$1,232
Administrative (15%)	\$284,337	\$284,337	\$0
Project Totals	\$2,179,917	\$2,066,925	\$112,992
Percentage		95%	5%

Projected Trust Allocations

	2019			2020	2021
	Project 001	Project 002	Project 003	Project 004	
1. Anticipated annual project funding request to be paid through the Trust	\$497,449	\$321,711	\$2,169,317	\$2,066,925	
2. Anticipated annual cost share	\$1,076,051	\$936,063	\$57,600	\$112,992	
3. Anticipated total project funding by year (line 1 plus line 2)	\$1,573,500	\$1,257,774	\$2,226,917	\$2,179,917	
4. Cumulative Trustee payments made to date against cumulative approved beneficiary allocation	\$0	\$497,449	\$819,160	\$2,988,477	
5. Current beneficiary project funding to be paid through the Trust (line 1)	\$497,449	\$321,711	\$2,169,317	\$2,066,925	
6. Total funding allocated to beneficiary, inclusive of current action by year (line 4 plus line 5)	\$497,449	\$819,160	\$2,988,477	\$5,055,402	
7. Beneficiary share of estimated funds remaining in Trust	\$8,125,000	\$8,125,000	\$8,125,000	\$8,125,000	
8. Net beneficiary funds remaining in Trust, net cumulative beneficiary funding actions (line 7 minus line 6)	\$7,627,551	\$7,305,840	\$5,136,523	\$3,069,598	

Anchorage School District Cost Estimate Documentation

Six buses selected for replacement:

1. #1
2. #45
3. #50
4. #86
5. #121
6. #122

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School Bus Replacement Application Cover

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AIDEA
AEA

ALASKA ENERGY AUTHORITY

Date of Application	April 24 ,2019
Applicant/Agency Name	Anchorage School District
Employer/Taxpayer ID (EIN/TIN)	92-6000078
Address	3580 E Tudor Road
City/Zip	Anchorage 99507

Authorized Representative Name	Heather Philp
Contact Title & Association	Director of Transportation - Anchorage School District
Phone	907-742-1219
Email	philp_heather@asdk12.org

Alternative Authorized Representative Name	Dane Sutterfield
Contact Title & Association	Purchasing Supervisor - Anchorage School District
Phone	907-742-8630
Email	sutterfield_dane@asdk12.org

Project Narrative

Please describe in detail the project, including the number of buses being replaced, bus ownership, timeline of events, and plans for scrappage of existing bus(es). Include information such as voluntary matching funds, timing of other funding sources, or in the case of alternative fueled vehicles, related infrastructure plans and funding. Use the next page or attach additional pages if necessary.

Anchorage School District is applying to replace 12 ULSD type D buses, years 2001 and 2003 with 2019 DEF ULSD type D buses. Once rewarded replacement bus(es), the District would solicit through an ITB. It would take approximately (75) seventy five days from the Solicitation to the issuance of the Purchase Order. Based on the ITB, the Anchorage School District would place the bus order that takes approximately (7) seven months for delivery. Once the new buses arrive at ASD Transportation the scrapping would be initiated. To scrap the bus the mechanics will use an oil rifle to put an 1½ " hole in the side of the engine. The frame will be disabled by cutting the frame at an area around the transmission bell housing. The bus will be towed to:

Central Recycling Services
 311 N. Sitka Street
 Anchorage, Alaska 99501
 Manager: Jake Sneddon
 Phone number: 907-748-7400

Milestone	Proposed Completion Date	Notes
Purchase order issued for new bus	August 1 ,2019	
Delivery of new bus	January 1, 2020	
Existing bus scrappage with required documentation	January 15, 2020	
Reimbursement request with required documentation	February 15, 2020	

School Bus Replacement Application Cover



Project Narrative - Continued

Application Check List

- School Bus Application Cover
- Bus Data Form for each bus
- EPA DEQ emission results report used in the Bus Data Form for each bus
(For example see <http://www.akenergyauthority.org/Programs/vwsettlement>)
- Project Evaluation Form for each bus
- Map of bus route including fleet yard location for each bus
- Bus odometer photo

Application Acknowledgement

The undersigned certifies that they are the authorized agent of the above stated entity, and that all information and documentation submitted to the Alaska Energy Authority for an award of the VW Settlement Funds are truthful and correct, and that the applicant is in compliance with, and will continue to comply with, all applicable state and federal law, and that they can legally commit the entity to these obligations.

Heather Philp
Signature of Authorized Representative

Heather Philp
Authorized Representative Name

May 28, 2019
Date

Senior Director
Title

Applicant: Anchorage School District
Bus ID: Bus # 1

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

*Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		Existing Bus	Replacement Bus
Bus ID #		Bus #1	NA
Bus Ownership (complete next page)		Anchorage School District	
VIN #		4DRBJA8N83A959726	NA
Engine Serial Number		7.4HM2U5044806	NA
Bus Make		IC CORP	
Bus Model		RE SB	
Bus Model Year		2003	2019
Bus Class/Type (Class A-D)		D	D
Gross Vehicle Weight Restriction		31800	31800
Fuel Type ¹ (complete next page)		ULSD	ULSD
Average Fuel Efficiency (MPG)		5.32	6.78
Annual Fuel (gals)		1448	NA
Annual Miles Traveled		6516	NA
Annual Idling Hours		285	NA
Total Mileage		167507	NA
Annual Fuel Reduction (gals) ²		NA	263
Remaining Life (years) ³		13	NA
Attrition year (please explain) ⁴		2032	NA
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.			
Equipment Cost limited to cost of bus & shipping ⁵	NA	\$	139,182.00
Labor Cost	NA	\$	325.00

- This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
- Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
- EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
- Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
- EV charging infrastructure if applicable
- Not to include administrative costs

Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replace. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).

Fuel Type	
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Bus Replacement Cost

Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.

	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus)	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	\$ 325.00

Applicant: Anchorage School District

Bus ID: Bus # 45

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

*Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator			
	Existing Bus	Replacement Bus	
Bus ID #	Bus #45	NA	
Bus Ownership (complete next page)	Anchorage School District		
VIN #	1HVB1ABN81A935762	NA	
Engine Serial Number	7.4HM2U1510595	NA	
Bus Make	AMTRAN		
Bus Model	RE SB		
Bus Model Year	2001	2019	
Bus Class/Type (Class A-D)	D	D	
Gross Vehicle Weight Restriction	31800	31800	
Fuel Type ¹ (complete next page)	ULSD	ULSD	
Average Fuel Efficiency (MPG)	6.47	6.78	
Annual Fuel (gals)	996	NA	
Annual Miles Traveled	6446	NA	
Annual Idling Hours	120	NA	
Total Mileage	225,629	NA	
Annual Fuel Reduction (gals) ²	NA	NA	
Remaining Life (years) ³	11	NA	
Attrition year (please explain) ⁴	2031	NA	
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.			
Equipment Cost limited to cost of bus & shipping ⁵		NA	\$ 139,182.00
Labor Cost		NA	\$ 325.00

- This funding opportunity is strictly to replace/repower existing diesel school buses NY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
- Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example: long haul with intermittent stops vs. frequent urban stop and go conditions.
- EPA's quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
- Year in which bus would normally be retired/sold by the fleet owner, if not for this funding opportunity.
- EV charging infrastructure if applicable
- Not to include administrative costs

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Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).

Fuel Type

Bus Replacement Cost

Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.

	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus ^f)	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	\$ 325.00

Applicant: Anchorage School District

Bus ID: Bus # 50

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.** (<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)
 *Note: **disregard** the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		Existing Bus	Replacement Bus
Bus ID #		Bus #50	NA
Bus Ownership (complete next page)		Anchorage School District	
VIN #		1HVB1AEN81A935780	NA
Engine Serial Number		7.4HM2U1513569	NA
Bus Make		AMTRAN	
Bus Model		RE SB	
Bus Model Year		2001	2019
Bus Class/Type (Class A-D)		D	D
Gross Vehicle Weight Restriction		31800	31800
Fuel Type ¹ (complete next page)		ULSD	ULSD
Average Fuel Efficiency (MPG)		5.24	6.78
Annual Fuel (gals)		1862	NA
Annual Miles Traveled		8381	NA
Annual Idling Hours		243	NA
Total Mileage		196,247	NA
Annual Fuel Reduction (gals) ²		NA	626
Remaining Life (years) ³		11	NA
Attrition year (please explain) ⁴		2031	NA
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.			
Equipment Cost limited to cost of bus & shipping ⁵		NA	\$ 139,182.00
Labor Cost		NA	\$ 325.00

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
 2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
 3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
 4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
 5. EV charging infrastructure if applicable
 6. Not to include administrative costs

Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

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Fuel Type	
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Bus Replacement Cost

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Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus ^f)	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	\$ 325.00

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (https://cfpub.epa.gov/quantifier/index.cfm?action=main.home)

*Note: disparted the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator	
Existing Bus	Replacement Bus
Bus ID #	Bus #86
Bus Ownership (complete next page)	Anchorage School District
VIN #	IHVBJABN61A935761
Engine Serial Number	7.4HM2U1508949
Bus Make	AMTRAN
Bus Model	RE SB
Bus Model Year	2001
Bus Class/Type (Class A-D)	D
Gross Vehicle Weight Restriction	31800
Fuel Type ¹ (complete next page)	ULSD
Average Fuel Efficiency (MPG)	5.58
Annual Fuel (gals)	953
Annual Miles Traveled	5319
Annual Idling Hours	231
Total Mileage	217,009
Annual Fuel Reduction (gals) ²	NA
Remaining Life (years) ³	11
Attrition year (please explain) ⁴	2031
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.	
Equipment Cost limited to cost of bus & shipping ⁵	NA
Labor Cost	NA
	\$ 139,182.00
	\$ 325.00

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
 2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
 3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ
 4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
 5. EV charging infrastructure if applicable
 6. Not to include administrative costs

Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).

Fuel Type	
-----------	--

Bus Replacement Cost

Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapage of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.

	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other – (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus) ^f	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	\$ 325.00

Applicant: Anchorage School District

Bus ID: Bus # 121

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)
 *Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
Bus ID #	Existing Bus	Replacement Bus
Bus Ownership (complete next page)	Bus #121	NA
VIN #	Anchorage School District 4DRBJA8N73A956798	NA
Engine Serial Number	7.4HM2U5044748	NA
Bus Make	AMTRAN	
Bus Model	RE SB	
Bus Model Year	2003	2019
Bus Class/Type (Class A-D)	D	D
Gross Vehicle Weight Restriction	31800	31800
Fuel Type ¹ (complete next page)	USLD	USLD
Average Fuel Efficiency (MPG)	6.49	6.78
Annual Fuel (gals)	840	NA
Annual Miles Traveled	5454	NA
Annual Idling Hours	200	NA
Total Mileage	185,440	NA
Annual Fuel Reduction (gals) ²	NA	NA
Remaining Life (years) ³	13	36
Attrition year (please explain) ⁴	2033	NA
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.		
Equipment Cost limited to cost of bus & shipping ⁵	NA	\$ 139,182.00
Labor Cost	NA	\$ 325.00

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
 2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
 3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
 4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
 5. EV charging infrastructure if applicable
 6. Not to include administrative costs

Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).

Fuel Type	
-----------	--

Bus Replacement Cost

Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.

	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus)	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	\$ 325.00

Applicant: Anchorage School District

Bus ID: Bus # 122

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (https://cfpub.epa.gov/quantifier/index.cfm?action=main.home)
 *Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator	
Existing Bus	Replacement Bus
Bus ID #	Bus #122
Bus Ownership (complete next page)	Anchorage School District
VIN #	4DRBJA8NB956800
Engine Serial Number	7.4HM2U5044751
Bus Make	AMTRAN
Bus Model	RE SB
Bus Model Year	2003
Bus Class/Type (Class A-D)	D
Gross Vehicle Weight Restriction	31800
Fuel Type ¹ (complete next page)	ULSD
Average Fuel Efficiency (MPG)	5.41
Annual Fuel (gals)	1170
Annual Miles Traveled	6331
Annual Idling Hours	200
Total Mileage	179,638
Annual Fuel Reduction (gals) ²	NA
Remaining Life (years) ³	13
Attrition year (please explain) ⁴	2033
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.	
Equipment Cost limited to cost of bus & shipping ⁵	NA
Labor Cost	NA
	\$ 139,182.00
	\$ 325.00

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
 2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
 3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
 4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
 5. EV charging infrastructure if applicable
 6. Not to include administrative costs

Bus Ownership Information

Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.

Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses

If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure, and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).

Fuel Type

Bus Replacement Cost

Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapage of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.

	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus) ^f	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	325.00



Applicant: Anchorage School District

Bus ID: Bus # 123

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form. (<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>) *Note: disregard the health benefits output. Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
Bus ID #	Existing Bus	Replacement Bus
Bus Ownership (complete next page)	Bus #123	NA
VIN #	Anchorage School District	NA
Engine Serial Number	4DRB1AB133A956801	NA
Bus Make	7.4HM2U5041930	NA
Bus Model	AMTRAN	
Bus Model Year	RE SB	
Bus Class/Type (Class A-D)	2003	2019
Gross Vehicle Weight Restriction	D	D
Fuel Type ¹ (complete next page)	31800	31800
Average Fuel Efficiency (MPG)	ULSD	ULSD
Annual Fuel (gals)	5.3	6.78
Annual Miles Traveled	1611	NA
Annual Idling Hours	8541	NA
Total Mileage	250	NA
Annual Fuel Reduction (gals) ²	175,793	NA
Remaining Life (years) ³	NA	352
Attrition year (please explain) ⁴	13	NA
	2033	NA
The 6.78mpg for replacement was an average from our existing buses from 2017. Same style, make/model + DEF system. Annual miles travelled was taken from March 2018 to March 2019. Engine model year is 2002.		
Equipment Cost limited to cost of bus & shipping ⁵	NA	\$ 139,182.00
Labor Cost	NA	\$ 325.00

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019 - 2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
5. EV charging infrastructure if applicable
6. Not to include administrative costs

$129,778.00$ 2018 cost
 $\times 0.03$ plus 3% for new 2019 cost

 3893.34
 $+ 129,778.00$

 $133,671.34$ 2019 cost estimate
 $+ 9363.00$ shipping

 $143,034.34$ Total 2019 cost estimate

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	Anchorage School District
Bus owner address	3580 E. Tudor Road
Bus owner city/state/zip code	Anchorage, Alaska 99507
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).
Fuel Type

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle's frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	\$ 129,812.00	\$ 129,812.00
Shipping	\$ 9,370.00	\$ 9,370.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus) ⁶	\$ 325.00	\$ 325.00
Total Project Cost	\$ 139,507.00	

Philp_Heather

From: Mike Lash <mlash@rwcgroup.com>
Sent: Tuesday, July 23, 2019 1:35 PM
To: Philp_Heather
Subject: RE: Shipping cost

CAUTION: This email originated from outside of the organization. Do not click links, reply or open attachments unless you recognize the sender and know the content is safe.

Heather,
The current shipping cost for transporting RE school buses from Tulsa, OK to Anchorage, AK is \$9363 per bus.

Thank you.



Run Right.

Mike Lash, General Manager - Alaska

7880 Sandlewood Place, Anchorage, AK 99507

Direct: 907-265-0225

Cell: 907-350-2325

Fax: 907-279-2189

mlash@rwcgroup.com

From: Philp_Heather [mailto:Philp_Heather@asdk12.org]
Sent: Tuesday, July 23, 2019 12:33 PM
To: Mike Lash <mlash@rwcgroup.com>
Subject: Shipping cost

Hello Mike,

Could I get that shipping cost from you for the VW?

Thank you,

Heather Philp
Anchorage School District
philp_heather@asdk12.org
907-742-1219

Pick battles big enough to matter, small enough to win.
Jonathan Kozol



RWC International Ltd
7880 Sandlewood Pl
Anchorage, AK 99507
T: (907) 279-9591 F: (907) 279-2189

REC'D 7-30-18 DATA Entry 8-1-18

VEHICLE SALES AGREEMENT / INVOICE

ANCHORAGE SCHOOL DISTRICT

INVOICE NO. 32439A

BUYER PURCHASING DEPARTMENT

DATE 7/30/18

ADDRESS 4919 VAN BUREN STREET CITY ANCHORAGE

PHONE (907) 742-8630

ORDER NO. P049082

SHIP TO ANCHORAGE SCHOOL DISTRICT

STATE AK ZIP 99517-3137

REP MIKE LASH

ADDRESS 3580 E TUDOR RD CITY ANCHORAGE

STATE AK ZIP 99507-1218

ACCT. NO 12-PB12011

DELIVERY DATE 7/27/18

STOCK NO.	YEAR	NEW	USED	COLOR	MAKE	MODEL	VIN	BODY TYPE	MILEAGE	GVWR
4 EA	2019	<input checked="" type="radio"/>	<input type="radio"/>	YELLOW	IC BUS	RE SCHOOL BUS	SEE BELOW	84 PASSENGER	SEE BELOW	34,220

Title Brands/Comments (if applicable): NONE REBUILT JUNK SALVAGE/RECONSTRUCTED DESTROYED OST

Warranty Info: NEW VEHICLE WITH MANUFACTURER STANDARD WARRANTY USED VEHICLE SOLD AS-IS WITH NO WARRANTY EXPRESSED OR IMPLIED

OPTIONAL WARRANTY CONTRACT HAS BEEN PURCHASED Describe: NO EXT WARRANTY-CAN BE PURCHASED WITHIN 12 MONTHS OF DELIVERY DATE

Lienholder NONE

Address _____

City, ST ZIP _____

(A) USED VEHICLE TRADE-IN

YEAR MAKE MODEL

MILEAGE VIN

BALANCED OWED TO: _____

ADDRESS: _____

MISC: _____

1. BASE PRICE OF VEHICLE	SEE BELOW
2. DEALER ADDED OPTIONS:	
STOCK #N431472, VIN 4DRBWTAR1KB431472, 2091 MILES	
STOCK #N431473, VIN 4DRBWTAR3KB431473, 2125 MILES	
STOCK #N431474, VIN 4DRBWTAR5KB431474, 2074 MILES	
STOCK #N431476, VIN 4DRBWTAR9KB431476, 2118 MILES	

(B) USED VEHICLE TRADE-IN

YEAR MAKE MODEL

AGE VIN

BALANCED OWED TO: _____

ADDRESS: _____

MISC: _____

3. BASE PRICE OF VEHICLE AND OPTIONS (1 + 2)	\$ 519,112.00
4. SALES TAX [Calculated on the sum of Base Price of the Vehicle and Options (3) - Total Gross Trade-In Allowance]	BASIS \$ 519,112.00
5. FEDERAL EXCISE TAX [Based on Base Price of the Vehicle and Options (3) - Body & Freight Exemption less Tire Credit]	EXEMPT AMT EXEMPT
EXEMPTION REASON State/Local Gov't Sale	TIRE CREDIT
6. SERVICE CONTRACT	TAX RATE
7. MAINTENANCE CONTRACT	\$ -
8. SALES TAX (For Service Contract and/or Maintenance Contract)	TAX RATE \$ -
9. ESTIMATED Vehicle License, Title and Registration Fee	NOT INCL
10. DOCUMENT SERVICES FEE	\$ -
11. OTHER:	

Gross trade-in allowance for (A) \$

Less estimated balance owed (A) \$

Gross trade-in allowance for (B) \$

Less estimated balance owed (B) \$

EST. NET ALLOWANCE ON TRADE-IN(S) \$ 0.00

(carry over to line 9)

Buyer acknowledges that the payoff and/or lien balance on the trade-in vehicle as described above only an estimated figure, subject to verification and confirmation from the lienholder as to the exact dollar amount. In the event the payoff/lien balance exceeds the above-stated amount, such additional amount shall, at the option of the Dealer, be added to the total cash price of the vehicle and shall be paid to the dealer on request or added to the amount being financed.

X N/A

SIGNATURE (DO NOT INITIAL)

12. TOTAL CASH PRICE OF VEHICLE (3+4+5+6+7+8+9+10+11)	\$ 519,112.00
13. DOWN PAYMENT (Not receipt of cash received)	(A) CASH \$
	(B) REBATE \$
14. ESTIMATED Net Trade-In Allowance	\$ -
15. UNPAID BALANCE OF CASH PRICE DUE ON DELIVERY (12 - 13 - 14)	\$ 519,112.00

FINANCING CONDITION IF A RETAIL INSTALLMENT CONTRACT OR NOTE AND SECURITY AGREEMENT IS SIGNED IN CONJUNCTION WITH THIS BUYER'S ORDER COLLECTIVELY, THE "AGREEMENT"), THE AGREEMENT IS BINDING UPON EXECUTION, PROVIDED HOWEVER, THAT THE DEALER WILL HEREAFTER ASSESS THE BUYER'S CREDITWORTHINESS AND IF THE DEALER DOES NOT HEREAFTER APPROVE FINANCING ON ACCOUNT OF THE BUYER'S CREDITWORTHINESS AND SUBSEQUENTLY NOTIFY BUYER OF SUCH DISAPPROVAL, THIS AGREEMENT IS VOID, EXCEPT AS PROVIDED IN PARAGRAPH 4 ON THE REVERSE SIDE HEREOF

BUYER AGREES TO ABIDE BY THE TERMS OF THE PO AND/OR CONTRACT ISSUED BY THE BUYER AND ACCEPTED BY DEALER.

Customer acknowledges receipt of above merchandise.

Buyer's Signature *[Signature]* Date 7-31-18

Dealer or Dealer's Authorized Representative *[Signature]* Mike Lash

Co-Buyer's Signature _____ Date _____ Salesperson's Name _____

SECTION II
SPECIFICATIONS
TYPE D, 84-PASSENGER DIESEL REAR ENGINE SCHOOL BUS

The following specifications describe the minimum mandatory requirements for any Heavy Duty Type D, Class Rear Engine (RE) 84 Passenger School Buses that will meet the performance, safety, and standardization of the Anchorage School District Transportation Department. These specifications were designed with the guidance of the 2010 National Transportation Specifications & Procedures also referred to herein as the National Specifications. These school buses shall meet all the applicable Minimum Standards of Alaska School Buses, 2011 Revised Edition, also referred to as Alaska Minimum Standards, and Federal Motor Vehicle Safety Standards (FMVSS) for school buses. If a conflict in the specifications occurs, Alaska Minimum Standards and FMVSS shall prevail. Below are the minimum mandatory specifications for standard 84 passenger school bus chassis and body which are intended to assure that all bids submitted for consideration will meet all the design, capacity and performance requirements identified by the District. Each unit shall be the same make and model, a NEW model in current production, utilized by other North American customers. Engineer prototypes or production prototypes will not be accepted. Models that are manufactured outside of North America will require proof of parts support-ability to be provided with the bid submission or within three (3) business days upon request, if not submitted with bid. Specification shall meet or exceed the following specifications.

BUS CHASSIS

A. FRAME

All bolted construction with grade 8 flanged head bolts and nuts or equivalent. The main frame shall be a continuous section from the front of the bus to aft of the rear axle. Dimensions shall not be less than 10" x 3" x 1/4" with a minimum of **50,000** PSI yield strength. Frame rails shall not be notched, tapered, or cut out for clearance of engine, engine accessories, or step-well installation, except as provided or accepted by the chassis manufacturer.

B. FRONT AXLE

1. Front axle assembly shall have a minimum capacity of 13,200 pounds.
2. Front spring assembly shall have a minimum capacity 13,200 pounds.
3. Heavy duty direct acting double action shocks.
4. Parabolic tapered leaf springs.
5. Oil filled hubs with sight glass caps.

C. REAR AXLE

1. Rear axle shall be of a full-floating heavy-duty type with a minimum gross rating capacity of 23,000 pounds (Combination of front and rear axles shall meet a minimum of 36,200 GVWR).
2. Rear axle shall be equipped with a NO-SPIN differential. Electronic/air traction control (ABS) in lieu of the NO-SPIN differential is acceptable, as long as the traction controls is fully automatic. Driver interphase is not needed.
3. Rear axle to have AIR RIDE type suspension with heavy-duty shocks.
4. Axle ratio to be stated on bid form.
5. Maximum vehicle speed to be set at 65 MPH at governed RPM.

6. Rear end to be delivered with full synthetic rear end fluid.

D. WHEEL BASE

1. Wheel base 273 to 277-inches.
2. Bidder to state outside wheel radius dimension and outside bumper clearance radius on bid form.

E. BRAKES

1. Air brakes only will be accepted with drum type brakes, front and rear. These brake drums are to be outboard type drums. Rear service brake canisters shall be no less than thirty (30) square inch diaphragm chambers. Brake canisters on rear axle to be double-chambered type brake chambers connected to automatic slack adjusters. Parking brake side of double chambered canister to be thirty (30) square inch diaphragm chambers. Front axle brake canisters to be no less than twenty-four (24) square inches. Non-serviceable canisters are acceptable. S-cams to be used, no wedge or flat cam actuators allowed. Automatic slack adjusters.
2. Front brakes shall measure 16.5 in. x 6 inches, with premium friction block material, such as MA312.
3. Rear brakes to measure 16.5 in. x 8-inches minimum, with premium friction block material, such as MA312.
4. Parking brake system:
 - a. Shall be manually operated.
 - b. Shall be air applied to release.
 - ~~c. Cummins engine brake.~~
5. Air brakes to have a dual reservoir system required by Code of Federal Regulations 49. Must meet all applicable FMVSS.
6. Air gauge to be two (2) needle type and colored to represent the two (2) systems.
7. Air system schematic and valve identification charts shall be supplied.
8. A warning device in driver's compartment of bus shall be audible to driver in case of brake malfunction or loss of air pressure.
9. Air brake system to have air dryer, Bendix AD- IP, and heated automatic reservoir drain valve, Bendix DV2-12 volt.
10. Anti-lock brake system (ABS) shall be full vehicle wheel control four channel ABS.
11. Cummins engine brake. Jake engine brake, if incorporated into the engine build from the factory. No exhaust brake.

F. ELECTRICAL SYSTEM

1. Alternator:
 - a. Alternator preferred to be a AL9900SB series Bosch high output for school buses, the VI160/T/P/J series or the 4951 series Leece-Neville® for a twelve (12) volt system.

- b. 200 ampere (minimum) rated delivering a minimum of 50% of rated charge at 600 RPM.
 - c. Mounting shall be heavy-duty four bolt pad mount.
 - d. Wiring shall be capable of handling a continuous draw equivalent to 25% above the maximum rated capacity of the alternator.
2. Battery:
- a. Three (3) 12-volt storage batteries to be a group type 31 series, with a minimum of 2700 CCA combined. Batteries to be maintenance free type.
 - b. Batteries shall be mounted outside of engine compartment in a vented box secured to the left side skirt (starter side of the engine). Access doors hinges shall be stainless or brass and designed to be lubricated. Batteries shall be mounted on a tray attached to a sufficient rail with steel ball bearing rollers that allow batteries to be moved to a position fully outside the bus body and securely fastened down.
 - c. A quarter turn master disconnect switch shall be install in the positive cable. The master disconnect switch shall be accessible from the inside rear of the battery box within four (4) inches of the door opening, or in a separate closeable compartment in the vicinity of the battery box.
 - d. Battery cable shall have an amperage capacity exceeding the design load by at least 25% and be of premium grade and suited for cold climates.
 - e. Battery cables in the battery box shall be of sufficient length for the batteries and battery tray to slide out to the stops on the rails without interference or restrictions.
3. Starter: To be thermo protected or gear reduction type starter.
4. Wiring:
- a. The electrical system shall be 12-volt and conform to current SAE standards. All wiring shall be rated 'Artic-Grade' and have an amperage capacity exceeding the design load by at least 25%.
 - b. The wiring shall be color and number coded and a wiring diagram shall be furnished with each bus.
 - c. Interior body wiring shall be routed down the left side of the bus, above the side windows, behind a completely removable cover. This cover shall be removable without loosening the side windows.
 - d. An electrical panel shall be located on the outside left hand side of the bus under the driver's window for ease of access to circuit breakers and solenoids.
 - e. Wires passing through metal shall be protected by rubber grommets.
 - f. Wiring not enclosed within the body shall be protected from chafing and exposure from elements such as road salt and mud by a protective armor such as plastic loom or equivalent. This wiring shall be securely fastened at intervals of not more than 18-inches.
 - g. An additional circuit protected power supply and negative terminal shall be located on the front header inside the bus. This terminal is to have power at all times and sufficient for 10 amps draw. This will be used for a camera system.
5. Circuit breakers:
- Circuit breakers to be type III circuit breakers (remains open until unit is manually reset by pushing button) conforming to SAE recommended practice J 553. Exceptions shall be OEM multiplex wiring systems that require the use of a different circuit protection system.

6. Keys:

All ignition keys for the buses are to be keyed alike with current District buses for fleet service.

G. ENGINE

1. Engine shall be a Cummins L-9 for school buses with an EXC warranty plan number 338468 10 year 150,000-mile warranty to include electronics. Non-Cummins brand items shall have the normal manufacturer's warranty, not including the transmission and drive train. Exception is normal wear items. This warranty shall start when the bus is placed in service not the time of delivery, inspection and acceptance at F.O.B. Final Destination.
 - a. Engine shall be Alaska State certified with a minimum of 270 hp. Warranty with a minimum of 800 foot pounds of torque.
 - b. Engine shall be in an inline configuration with wet-sleeve design.
 - c. Engine to have integral electronic warning and a de-rating protection system.
 - d. Diagnostic interface connector, 9-pin SAE J1587/1708/1939. Mounted in the dash and in the engine compartment.
 - e. Pre-start heater system such as glow plugs or intake heater, no ether systems allowed.
 - f. Fan clutch if air operated to be air released, hydraulically driven fans acceptable. Belt driven fans must be presented and accepted by the District before award.
 - g. Access doors hinges shall be stainless, brass, or galvalume, and designed to be lubricated, or a (proven) rubber hinge design (non-lubricating) fastened to a metal bracket on each side of the flexible rubber. There shall be a grounding strap from the door to the body for all hinge designs.
2. Programmable RPM control for fast idle warm up.
3. Unit shall have a Racor fuel/water separator with drain. Water in fuel light is required.
4. Fuel lines are to be FMVSS 301 certified.
5. Heater hoses. Conditions pertaining to all heater hoses throughout each bus are listed below:
 - a. All heater hoses not housed in the body are to be protected in armor sheathing such as plastic loom covering or equivalent.
 - b. All heater hoses routed under the body shall be insulated in "formed foam hose and pipe insulation" and protected from sharp edges.
 - c. All hoses routed under the body of the bus shall be securely fastened at intervals of not more than 18-inches.
 - d. All hoses passing through metal shall be protected with rubber grommets, foam insulation used as protection is not acceptable.
 - e. There shall be no plastic hose connections used as hose tees, hose splices, or in 90-degree connections. Brass or galvanized king nipples are acceptable. Polysimide (a glass filled nylon material from DuPont Engineering) is an acceptable material for hose connections.

- f. Heater hose shall be Goodyear Hi-Miler or other premium rated hose that is proven in the industry. The heater hose shall have a rating of 20R3 for burst pressures, an EC rating for electrochemical resistance, and class D3 for high temperature resistance. Silicone hoses not acceptable. State provided hose on bidder sheet.
 - g. Heater hose shall be one inch (1") inside diameter throughout bus.
 - h. Hose clamps to be of a constant torque design for heating and cooling systems.
6. Engine exhaust system:
- a. Engine exhaust system to incorporate an OEM after treatment device that is Alaska state certified.
 - b. Exhaust is to exit the rear of the bus ~~on the driver's side~~ under or through the rear bumper.
 - c. There shall be no turn down tips. Angle cut tips allowed.
 - d. Exhaust system shall include a temperature control device.
7. Engine to meet EPA certifications in place for Alaska at the time of Manufacturers Statement of Origin document creation.

H. ENGINE HEATERS

1. Engine shall be equipped with a minimum of 750 watts, 120-volt electric block heater.
- a. A 120-volt plug with cover to be mounted in the front of the bus, flush with forward body panel. Plug shall not protrude beyond the front bumper.
2. Auxiliary heater:
- a. Furnish a fully operational and fully warranted, high performance heavy-duty, new model school bus coolant heater for "C", and "D" buses. The school bus heater shall be the Webasto Scholastic Series Coolant Heater, Model DBW 2010 utilizing a minimum of one-inch (1") premium coolant lines throughout, and in accord with the following specifications:
 - i. Heater output to be a minimum of 45,000 BTU per unit.
 - ii. Diesel fired.
 - iii. Power consumption to be approximately 9.5 amp @ 12-volts (114w), including circulation pump.
 - iv. Coolant pump-to-pump at least twelve (12) gallons per minute through system. Wired to come on when the Wasbasto is turned on.
 - v. Safety features to include a minimum of two (2) safety over heat shut off switches. A roll over inertia shut off switch and an impact shut off switch are to be incorporated into the system.
 - vi. Auxiliary heater to set in a mounting tray, Webasto Model 923.326 or equivalent. Dimensions of this tray are 24" in width, 12" in depth, and 1-1/2" in height.
 - vii. Heater to be installed in a left hand compartment forward of the rear wheels.
 - viii. Ignition system to be electronic.
 - ix. This heater shall be FMVSS 301 certified.

- x. Wabasto smartemp timer controller mounted in the exterior fuse panel below the driver's window.
- xi. Furnish one service/operator manual per unit.
- xii. Warranty coverage to be a minimum of two (2) years with 100% parts and labor. Warranty to start the day the bus is put in service.
- xiii. Fuel lines to and /or from this heater are to comply with FMVSS 301 for school buses. Fuel for this heater is to be drawn from the top of the fuel tank, separately from the vehicle fuel system. Fuel line shall be securely mounted and protected with hose armor and grommets. Routing of fuel line under frame is not acceptable.
- xiv. All hoses shall be protected and securely mounted.
- xv. Exhaust to be routed away from under the bus body by exiting through a tail pipe outlet at the lower side of the body skirt. The tail pipe shall be firmly mounted to the bottom of the skirt and shall extend at least flush with the skirt, but protrude not more than 1/2". Exhaust pipe must terminate on the left side of the bus or the left corner area of the rear bumper.
- xvi. Electrical supply is provided by wiring direct from the battery to allow heater operation with the master disconnect switch in the open position.
- xvii. Exhaust shall not be routed under any emergency window or door exit.
- xviii. Diagnostic test box. One (1) required, per this bid.

I. ENGINE GOVERNOR

Engine governor to be electronically controlled by the engine electronic control unit (ECU). ECU to monitor and correct engine functions and conditions. ECU to perform routine diagnostics and provide onboard readable engine codes without special tools. ECU to provide a communication link to service technician in the driver's area and in the engine compartment.

J. INSTRUMENTS AND INSTRUMENT PANEL

1. Chassis shall be equipped with all instruments and gauges specified in the National Specifications. All instruments to be in English and non-metric.
2. Engine tachometer required.
3. Operator's manual with gauge/switch identification and gauge/switch location chart provided with each bus.
4. Engine hour meter required.
5. A body disconnect switch (momentary style) located near the driver to turn off all the heaters at railroad crossing as an audio aid shall be provided.

K. STEERING SYSTEM

1. Power steering to be installed and approved by chassis manufacturer.
2. Tilt and telescoping steering wheel.

L. TIRES AND RIMS

1. Tubeless radial tires mounted on 8.25 X 22.5-inch diameter rims.

2. Steering tires to be hi-way type steer tires for school buses. High scrub application Goodyear Endurance RSA or equal, load range H, use specifications as an example. Tires to be micro-siped.
3. Rear tires and spare to be hi-way steer tire for school buses. High scrub application Goodyear G622 RSD or equal, load range H, use specifications as an example. Tires to be micro-siped.
4. One (1) spare tire to be a traction type tire identical to the rear axle tires provided. Tire to be micro-siped and loose mounted. American made tires are desired.
5. All wheels be hub piloted type 10-hole disc rims, with a minimum of four (4) hand holes and are to be black in color.
6. If any part of tire or rim on any axle when in the straight ahead position is to protrude from the body of the bus, the bidder must inform in writing that the protrusion is within all Federal, National, and State regulations/guidelines.
7. If any part of tire or rim on any axle when in the straight ahead position is to protrude from the body of the bus, the bidder must provide flairs or fenderettes to prevent mud, road salt, etc., from splashing onto bus body.

M. TRANSMISSION

1. Allison 3000 PTS World Transmission five (5) speed automatic with one overdrive gear. Calibrated to the engine provided.
2. A five (5) year, unlimited mileage, parts and service warranty to cover all maintenance with the exception of fluid and/or filter changes during normal service intervals. This warranty will start when the bus goes into service.
3. Push pad gear selector.
4. Electronic fluid level indicator.
5. Factory filled with TranSynd© transmission fluid.

N. FUEL TANKS

1. One hundred (100) gallon capacity (minimum) fuel tank mounted between the frame rails and between the front and rear axles.
 - a. Draw shall be from the top of the tank.
 - b. Draw for the auxiliary heater shall be separate from that of the engine.
 - c. Access plate to sending unit and/or fuel pump to be made without having to remove tank. Plate to be insulated.

O. ACCESSORIES

1. Two (2) tow hooks front, and two (2) tow hooks rear, bolted on chassis frame. Functional for towing or pulling without damage to the bus.
2. The following manuals are required (one each) per bus or no charge to the District for online accessibility for a period of 10 years:
 - a. Operating, identification and pre-trip inspection manuals.

- b. Maintenance and inspection manuals, if not provided electronically.
 - c. Service manual with detailed repairs and diagnostics for body, chassis, engine, engine electronics, air brakes, ABS, transmission, and axles.
 - d. Custom parts manual, if not provided electronically.
3. Supply schematics for air brakes, electrical system, fuel system, ABS electrical, exhaust system, and engine electronics.
 4. A fresh engine oil and engine oil filter change will be completed within the last one hundred (100) miles before delivery to the District or as recommended by the engine manufacturer. API service CJ-4 semi-synthetic 5W30 engine oil is to be used for refill. This oil and filter change is required if there are one thousand five hundred (1,500) miles or more registered on the odometer.

BUS BODY

A. BATTERY COMPARTMENT

The batteries shall be securely mounted on a slide out tray with rollers that is mounted in a closed, vented compartment mounted behind the rear tire in the body skirt, so that the batteries are accessible for convenient servicing from the outside. The battery compartment door shall be hinged at the front and be secured with a quality latch or other specifically designed fastener.

B. BODY TYPE

1. Body shall be a minimum of thirty-nine foot eleven (39'-11") type "D" school bus with rear engine and 84-passenger capacity, with minimum headroom of 77" at centerline of bus.
2. Color of bus to meet the National Specifications.
3. Attitude of the bus to be level, equal distance from road surface to front and rear frame rail ends and the bottom of left and right side skirts.
4. The skirt height shall be equal to or lower from the center of the front axle to the center of the rear axle. Behind the rear axle, the skirt may taper to the rear bumper height.

C. SEATS

1. Student seats to be 39" wide high back seats:
 - a. Seats shall have a releasable latch for access under seat.
 - b. Seat material to be fire block and meet school bus seat upholstery fire block test.
 - c. Seat color to be grey. Single stitched on all seams.
 - d. Seat frames to be seat belt ready. No seat belts.
2. Driver's seat to be air ride with reclining hi-back and have a safety yellow/orange lap and shoulder harness seat belt. The barrier located immediately behind the driver's seat is to be positioned and configured to allow full movement of the seat forward and aft, and to allow a minimum of 17° degrees of recline movement in the full aft position. Driver's seat to be cloth.
3. Modesty panel installed below the first barrier located before the first seat on the right and left side of the bus.

4. Each seat to be numbered with a (2" or 3") number. Numbers are to start with the seat behind the driver being number one (1) and then alternate between the left and right hand sides of the bus terminating at seat twenty-eight (28) in the rear of the bus. Numbers are to be on the interior side, over the windows of the bus.
5. All seats to meet FMVSS.
6. Seat spacing to be as spaced as far apart as manufactures' allow and still meet all regulations for school buses and to be arranged to meet the eighty-four (84) passenger requirement.

D. DOORS

1. Service door or entrance door to be split type, outward opening and air operated with a manual override valve. This valve to be labeled "Air Door Manual Release" with an arrow showing direction of release, and located near the door. All door operating mechanisms are to be inside the bus body. Controls for this door other than the air door manual release are to be easily accessible by the operator seated in the driver's seat.
2. Thermo-pane windows shall be installed in this door.
3. Door control shall be a two-position control. When overhead amber caution lights are on and the service door is opened by this control the overhead red lights and the stop-arms will activate automatically. No controls mounted in the steering wheel.
4. The service door shall have a protective device located outside the door at the front lower leading edge and mounted securely to the frame in such a way as to prevent damage to the door during curb or snow berm impact (skid plate).

E. EMERGENCY EXITS

1. Side emergency door installed according to National Specifications and FMVSS. This door shall be installed near mid-ship and on the left hand side of the bus, final location shall be determined after award of bid. Hinges are to be stainless or brass and designed to be lubricated. This door shall be equipped with a slide bar, cam operated lock. Slide bar shall have a minimum stroke of one (1) inch. This lock shall be equipped with a suitable electric plunger-type switch, connected to an audio alarm at the door and in the driver's compartment. Switch shall be enclosed in a metal case, and wires leading from the switch shall be concealed in bus body. Switch shall be installed so that plunger contacts farthest edge of slide bar in such a manner that any movement of slide bar will immediately close the circuit on switch and activate buzzer. A black arrow on the interior and exterior of the door showing the direction of door latch movement required to open door.
2. One (1) emergency window exit for the right and left sides (each side) of the bus. These emergency windows shall be hinged vertically and the hinge shall be located toward the front of the bus. A total of two (2) emergency window exits per bus. The location of these exits shall be determined after award of bid. Each emergency window shall have an audio alarm when opened; this alarm shall sound in the driver's compartment and at the activated window. Emergency window exits to be labeled inside and out above each window as emergency exit and meet FMVSS 217.
3. Two (2) centerline mounted roof exits. One (1) installed one-third back from front of bus and the other installed two-thirds back from front. Exits to have inside and outside release capability and to be Transpec Safety vents or equivalent (can be opened and used as a vent without audio warning). Audio warning when opened, this audio warning shall sound at the affected roof exit and in the driver's compartment.
4. Rear window exit over engine compartment to emit an audio alarm at the window and in the driver's compartment when opened.

5. All exits and doors will be operated during pre-trip inspections to test for function and audio alarms, these exits must be able to withstand continuous use. Use the heavier duty option if available.
6. All doors and emergency exits must meet the National Specifications and FMVSS.

F. FLOOR

1. Floor shall be of prime commercial quality zinc steel, and of at least fourteen (14) gauge.
2. Marine type Grade B-B or Plywood shall be installed over all metal floors. Plywood shall be a minimum of 5/8 inches thick.
3. Flooring to be three piece and shall be smooth under seats with no seams, ribbed in aisle. Stainless or aluminum strips shall be used to seam aisle with under seat flooring.
4. Floor covering to be light grey.
5. Entranceway to be Koroseal pebble tread with white nosing or equivalent.
6. Floors to meet the National Specifications.
7. An insulated plate in the floor for access to fuel tank pickup, fuel gauge rheostat, and vent.
8. Step well to have a hand rail on each side, in front of the steps, and on the modesty panel. The hand rail next to the heater must not be mounted directly in front of the air flow, so the handle is not hot to the touch. Handles must meet or pass all Federal and manufacturer's snag tests.

G. HEATERS

1. Heaters must meet the Alaska Minimum Standards. A minimum total of 200,000 BTU rating is required for the heating system.
 - a. Front heaters to include defrosters, step-well and driver's area.
 - b. Mid ship heater to sit under the seat forward of the side emergency door.
 - c. A guard provided to prevent the denting of fan shrouds on the rear and mid ship heaters.
 - d. Rear heater required.
 - e. Heaters to be equipped with a filter.
2. All defrosters shall be of a design and capacity to ensure frost-free windows in driver's area at all times.
3. Front heater(s) ducts to provide optimum heat in the stairwell and keep service door frost-free.
4. Each heater motor shall be heavy-duty and individually controlled with separate control switches near driver's seat. Each switch shall have its own breaker.
5. Front heater ducts to provide optimum heating of the drivers' area, to include legs and feet.
6. Bidders shall itemize in the BID FORM (Attachment B) the number of heaters and defrosters proposed to be installed, the locations and BTU ratings of each heater or approved measure of heat recovery in the cabin.

H. IDENTIFICATION

1. Lettered on side belts: ANCHORAGE SCHOOL DISTRICT. Lettering located on both sides of bus in 6-inch high, 1" wide letter strokes.
 - a. Front and rear header caps of bus shall have eight (8) inch black letters on a yellow reflective background that bear the words "SCHOOL BUS".
 - b. There shall be a sign located below the rear window of the bus which reads: "STOP ON FLASHING RED". The word STOP shall be in letters no less than eight inches high. The rest of the lettering shall be in five-inch lettering. This sign shall be red letters on white reflective background.
2. Identification letters and decals to conform to the National Specifications.
3. Colors for bus:
 - a. School bus body shall be painted National School Bus Yellow (NSBY).
 - b. Exterior body trim shall be black; this shall include rub rails.
 - c. The area around the front and rear amber/red flashing lights shall be black.
 - d. Non-contrasting reflective material around each emergency exit, emergency door, rear emergency window, front and rear bumpers, down each corner of the rear of the bus, and horizontally just below the floor level rub rail except as otherwise stated in the 2010 National School Transportation Specifications and Procedures.
 - e. Interior colors to be manufacturer's standard color for school buses.
 - f. "DIESEL" printed in two (2) inch letters above the fuel door opening.

I. INSULATION

1. Body insulation to comply with the Alaska Minimum Standards.
2. Additional insulation installed in the bus panels and channels or manufacturers "Cold Weather Package".
3. Cold weather package to include additional insulation in driver's area.
4. Sound absorbing perforated headliner throughout the bus.

J. LAMPS AND SIGNALS

1. Interior LED Lamps:

- a. Standard LED dome lights shall be provided which will adequately illuminate bus body with the following additions:
 - i. Last two (2) lights located on each side of roof panel in rear of the coach shall be switched separately from that of the interior dome lights with switch located near the driver's seat.
 - ii. One (1) extra power dome light with fifteen (15) candlepower, shall be installed in the ceiling above the driver's seat and shall be separately switched.
 - iii. Step-well light installed and to be auto-on when door is fully open.
 - iv. No dome light shall be mounted to the interior ceiling above the service door entrance.

2. Exterior Lighting:

- a. Turn signals:
 - i. Turn signal lights mounted on front sides of bus, as specified in the National Specifications.
 - ii. LED body side signals required. One signal on each side located behind the entrance door on the right and a comparable location on the left. This should be mounted in the beltline. A second light for each side shall be mounted just in front of the rear wheel well, approximately equal height to the top of the wheel well.
 - iii. A distinctive, but not loud audio device to indicate when the turn signals are activated.
 - iv. Rear turn signal lights to be SoundOff Inc. 7" LED part number ECV7561TY or equivalent. The functions of this light shall be turn signal and traffic hazard flash only and shall be amber.
 - v. A 7" light mounted just inside of the rear turn signals shall be SoundOff Inc. LED part number ECV7561STT or equivalent. This light shall be a two (2) combination red light with functions of tail light and stoplight only.
 - vi. A 4-inch tail light stoplight combination lamp mounted below the two (2) 7-inch lights on each side of the bus shall be SoundOff LED part number ECVR42STT or equivalent. This light shall be flush mounted.
 - vii. Stop, tail, and turn signal lights shall have a five (5) year warranty (SoundOff Inc. or equivalent).
 - viii. Clearance and identification lights shall be LED SoundOff part number ATCVMLDPR for red and ATCVMLDPIY for amber.
- b. Loading light to be installed to the top of or left of the entrance door and to operate automatically when door is opened. The light shall illuminate the area in front of the service door. This light to be LED SoundOff part number ATCVCLCBN or equivalent.
- c. Alternating Flashing Signal lamps (overhead warning lamps).
 - i. Red flashing lights, front and rear, to be SoundOff Inc. 7" LED part number E756IEB0R or equivalent.
 - ii. Amber flashing lights, front and rear, to be SoundOff Inc. 7" LED part number E756IEB0A or equivalent.
 - iii. Pilot light system shall be installed in a location near the arming switch where its operation shall be plainly visible to the driver. No 16 light monitoring is needed.

Overhead LED lights must meet FMVSS 108 and have a 5-year warranty.
- d. Two (2) back-up lights activated by reverse on the transmission. Back-up lights shall be LED and flush mounted.
- e. License plate lamp located on the left rear of the bus. SoundOff LED part number ECVLPBLED or equivalent.
- f. Strobe light to be centerline mounted on roof, six (6) feet away from rear of bus. The strobe light assembly lens shall be clear with 360 degrees of illumination. A manual switch and a pilot light to indicate when strobe is on mounted in driver area. Strobe light assembly shall be an ECCO brand, most current model with a clear lens.

- g. All lighting must meet the FMVSS.
- h. Two (2) lights, or one hi power light strategically placed, mounted in the engine compartment, on the top left and right sides, these lights are clear and are activated by the opening of the compartment door. A labeled warning light mounted in the driver's area shall activate when the engine door is opened.
- i. Head light shall be halogen.
- j. Bus shall be day time running light equipped.
- k. With the engine compartment opened, tail and flashing (4-way) lights must be visible.
- ~~l. Installation of Zonar sensors at the factory.~~

K. MIRRORS

1. Outside rearview mirrors to be ROSCO ® Euro style 4-way electric remote-controlled heated mirror system for school buses.
2. Illuminated switch to activate the heated mirrors. Toggle switch and remote mirror controls mounted in a location accessible to the driver.
3. Student cross-over mirrors, if not integrated with rear view mirror to be ROSCO ® Mini Hawk-eye heated cross view mirror system for school buses.
4. Interior mirror is to be of a heavy-duty type 10" X 30" preferred, 8" (or 6") X 30" acceptable (largest available is required), with driver adjustment capability, with backing to which the glass is bonded, is to be ridged and non-flexing.
5. All mirrors and mountings to meet FMVSS standards.

L. STOP SIGNAL ARM

1. Stop signal arm control to be electric operated. Manual control is not acceptable.
2. Stop signal arm to be SMI 7000 series stop signal arm with the word "STOP" illuminated and flashing in light emitting diode (LED) lighting on both sides.
3. Stop signal arm to activate automatically when red flashing lights are activated.
4. A second SMI 7000 series stop signal arm shall be mounted at the left rear of the bus. This stop signal arm shall be electric operated and to have the word "STOP" illuminated in flashing LED lighting on the side facing the rear of the bus when in the out position. The front facing panel of this sign **shall not** have the word "STOP" nor shall it have lighting of any kind. The front facing panel of this sign shall be blank.
5. Stop signal arms shall not be located below any emergency window exit, or above any exhaust piping.

M. WINDSHIELD

1. Windshield shall be TINTED glass with a shaded strip at the top.

Sun shield shall be approximately 6" X 30", easily adjustable by the driver, and must be capable of positioning directly below the interior mirror and have the capability to swivel completely above the interior mirror, so it does not obstruct the visibility of the interior mirror in any way.

N. WINDSHIELD WIPERS

Bus shall be equipped with two (2) intermittent, variable speed, electric driven heavy-duty windshield wipers, with artic blades.

O. WINDOWS

1. The windows to the left of driver shall be thermo-pane windows.
2. Student windows shall be split sash type standard school bus windows.
3. The windows in the service door shall be thermo-pane windows.

P. ACCESSORIES

1. Storage compartments:
 - a. Two (2) outside storage compartments separate from that of the battery box, one (1) right one mounted forward of rear wheels and the one (1) left mounted behind the steering axle. Minimum size: 24" wide x 14" deep x 12" high. The compartment on the left side of the bus will house the Webasto auxiliary heater. Access doors hinges shall be stainless, brass or galvalume and designed to be lubricated.
 - b. An additional lockable storage compartment to be a pass through type compartment. The minimum length of the compartment to be one hundred fourteen (114) inches. Compartment door hinges shall be stainless, brass, galvalume, or non-metallic to prevent corrosion and designed to be lubricated. Rubber hinges are exempt from lubrication.
2. Audio and/or visual alarm to activate in driver's area when access door to engine is opened.
3. Bus to be cleaned inside and out prior to delivery to the end user. All fluid levels shall be topped off prior to delivery. Bus shall be delivered with at least a ¼ tank of winter blend fuel, according to the fuel gauge.
4. Mud flaps, front and rear, to be rubber.
5. Halogen headlights.
6. Each bus to be undercoated with industrial rubberized undercoat to cover 100% of the underside of the body. Dust free seal between floor and bus body.
7. Reflective Markings. Non-contrasting colors on front, rear, and sides, as per National Specifications and FMVSS 217. Non-contrasting reflective markings shall be on the front and rear bumpers.
8. Back-up alarm shall be a 12-volt smart alarm, 87 to 112 dB and installed behind the rear axle. The alarm shall comply with the published Backup Alarm Standards (SAE J-994B), providing a minimum of 87 to 112 dB, maintains sound at 5 dB above the ambient noise level. Alarm shall activate when transmission is shifted into reverse.
9. Two (2) defroster fans (approx. 6") mounted above the windshield, one (1) on each side of center-line of windshield or one (1) on each side of bus or any combination that will allow the defrosting of both windshields. Each fan shall be separately switched from the switch panel and have a two speed or variable speed capability. Fans shall not be in direct line with the mirror system or interfere in any way with the visibility to the mirrors.
10. One (1) Pair of single tire chains.
11. One (1) Pair of rubber tire chocks.

12. One (1) tire thumper.
13. Rub rails: A minimum of four (4)-four (4") inch wide rub rails to be installed on the bus. Rub rails to be painted black.
 - a. One (1) below the window.
 - b. One (1) at the level of the seat cushion.
 - c. One (1) at the floor level.
 - d. One (1) mounted at the bottom of the skirt.
14. Five (5) pound fire extinguisher, ABC rated. Mounting bracket for extinguisher storage shall be in the upright position.
15. No glass in header panel inside cabin above windshield is desired, this location is for the mounting of monitor cameras. A removable panel shall be at this location for access inside the header panel.
16. Body Fluid Kit to meet the National Specifications.
17. Service manuals for installed accessories.
18. First aid kit to meet the National Specifications.
19. Reflector triangle kit with mounting bracket.
 - a. Mounting location of fire extinguisher, body fluid kit, first aid kit, and reflectors to be determined upon award of bid.
20. ONSPOT or INSTA-CHAIN automatic safety chains. Activated by a switch in the driver's compartment with a pilot light indicating when activated.
21. A receptacle for storage of a notebook binder approximate size 10"x 12"x3" wide, mounted in the driver's area.
22. Radio related items. The radio will be installed after the buses are delivered to the District. Below are items that are to be installed by the bus manufacturer during assembly. Radios will be installed by the District and require only two (2) wires, a hot and ground. The radios will be custom mounted in a location depending on the bus model.
 - a. A public address (PA) system to be installed and switched to select either inside or outside PA from the driver's seating position.
 - i. Four (4) Interior speakers for a PA. These speakers are to be two (2) on each side of the bus and staggered equally from the rear to the front, flush mounted.
 - ii. An external speaker for a PA to be mounted under the front of the bus near the frame.
23. Bus shall be wired for a Zonar V-3 System. The V-3 unit shall be supplied and installed before delivery to the District and require a hot, ground and signal wire. The RFD tags location shall be given to the bidder for tag installation.

Q. INSPECTION

1. An inspection shall be performed at the place of manufacturer by a representative of the District. Successful bidder will be required to provide a pilot inspection prior to shipment from final stage manufacturer's plant for

the first couple buses build and completed. Successful bidders shall provide all travel related expenses for one district representative from Anchorage to Anchorage. This may include (coach) air fare, rental car, hotel, meals, and any other reasonable itemized expenses, at actual cost. This is to be scheduled by the dealer with the cooperation of the manufacturing plant upon arrival.

2. The inspection by the District shall be thorough, critical and will encompass a complete review of the specifications. Adequate time and technical personnel shall be made available to assist the District representative in these inspections.
3. A final inspection will be made upon delivery to the District. Failure to meet these minimum specifications, FMVSS, National Specifications or the Alaska Minimum Standards may result in non-acceptance of the buses, or may be taken into consideration as the district evaluates the best value in the award process.
- ~~4. Authorization for payment will not be made in increments. When five buses are delivered, invoiced, inspected, and approved by the district, payment shall be processed through normal channels, with a 5% hold back. This process shall continue in 5 bus groups until final delivery of all buses is complete.~~
4. A weight slip containing the bus VIN shall accompany each bus upon delivery.

R. TRAINING

1. Training is required for engine, engine after treatment, transmission service, drive train, ABS system, electrical system, steering & suspension, bus body maintenance, lift maintenance and operation, and preventive maintenance of the entire bus. Topics to cover and content at which times will be requested by the district personnel.
2. Approximately 24-hours of a combination of class room and hands on training is requested. This shall be approximately 12 hours around the time of delivery and approximately 12 hours prior to the 5-year mark when the warranties expire.
3. Attendees may include the maintenance technicians from the Anchorage School District and from Reliant.
4. The training may be held at a maintenance facility of the district or Reliant or at a dealer location. Factory authorized training is expected on the engine, transmission, brake system and areas requested by the district. General body maintenance and other areas may be covered with local trainers.

S. EXCEPTIONS

Any exception to these specifications must be specified in writing on the bid form and highlighted or bolded by the bidder, to call attention to the Anchorage School District Purchasing Department as outlined in the Instruction to the Bidders. Failure to meet the specified requirements may be cause for rejection of your bid, or may be used in the evaluation of best value to the district in awarding the bid.

T. SPECIAL NOTE FOR BIDDERS

1. Priority in-shop warranty repairs. Repairs are to be completed within three (3) working days from the time parts are available to the shop.
2. Bidders or their local service provider (“subcontractor”) must be an authorized representative of the bus manufacturer they submit on the bid form and the bidders must stock repair parts for the buses submitted on the bid form. The successful bidder must purchase and maintain a reasonable stock of repair and replacement parts to service approximately 90% of the common failures and wear items on the buses to service this fleet, and a minimum quantity of items that can occasionally fail. Past history and manufacturer’s recommendations may determine the current level of inventory, with adjustments being made as a history of failures and maintenance items are established for this fleet.
3. Warranty documentation for the bus components must be supplied with the delivery and as part of the delivery of the bus.
4. All warranties shall be activated when the buses are put into service. Contractor shall notify the dealer of the start of service date as it occurs, and dealer has the authority to verify any questionable dates. It is the dealer’s responsibility to start the warranty service date with the manufacturers for the vehicle, engine, transmission, and other component warrantied items.

U. ADDITIONAL REQUIREMENTS

1. Student Monitor:
 - a. Supply a Gatekeeper model 304 SD1 school bus video monitor system (student Monitor) per bus.
 - i. Student monitor shall be Gate Keeper System. Model 304 SD1 for school bus use.
 - ii. Three (3) color cameras.
 - 1) One (1) mounted in the front of the bus viewing the interior rear; this camera shall have a 4.3mm lens.
 - 2) One (1) camera mounted in the rear of the bus viewing the interior front, this camera shall have a 2.9mm lens.
 - 3) One (1) camera mounted over the driver viewing the step-well service door area. This camera shall have a 2.9mm lens.
 - 4) Cameras are to have infrared capability.
 - b. Warranty:
 - i. All cameras shall be warrantied for 5 years.
 - ii. DVR and SD card shall be warrantied for 3 years.
 - iii. All cabling and other components shall have a 1-year warranty.

END OF SECTION II

Kenai Peninsula Borough School District Cost Estimate Documentation

Two buses selected for replacement:

1. #115
2. #116

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School Bus Replacement Application Cover



Date of Application	11-Jun-19	<div style="font-size: 2em; font-weight: bold; color: red; border: 2px solid red; padding: 5px; display: inline-block;">RECEIVED</div> <div style="color: red; font-weight: bold;">JUN 14 2019</div> <div style="color: red; font-weight: bold;">10:00 AIDEA AEA</div>
Applicant/Agency Name	Kenai Peninsula Borough School District	
Employer/Taxpayer ID (EIN/TIN)	92-0030923	
Address	148 N Binkley St.	
City/Zip	Soldotna 99669	

Authorized Representative Name	Rachelle Goniotakis
Contact Title & Association	Transportation Supervisor
Phone	907-714-8834
Email	rgoniotakis@kpbsd.org

Alternative Authorized Representative Name	Dave Jones
Contact Title & Association	Assistant Superintendent
Phone	907-714-8858
Email	DJones2@kpbsd.org

Project Narrative

Please describe in detail the project, including the number of buses being replaced, bus ownership, timeline of events, and plans for scrappage of existing bus(es). Include information such as voluntary matching funds, timing of other funding sources, or in the case of alternative fueled vehicles, related infrastructure plans and funding. Use the next page or attach additional pages if necessary.

Kenai Peninsula School District is applying to replace 7 ULSD type C buses, years 1995 to 2000 with 2020 ULSD type D buses. Upon award to replace the buses Kenai Peninsula School District would solicit through a TIB which it would take approximately 75 days from the solicitation to the issuance of the PO. Once the ITB is complete the Kenai Peninsula School District would place the order with a approximate time of 5 months for delivery of new buses. Upon delivery of the new buses Kenai Peninsula School District would initiate the process of scrapping. The frame would be cut at the area around the bell housing and a hole would be punched in the side of the engine all fluids would be drained. Buddys towing will then tow the bus to Peninsula Scrap & Salvage to be crushed.

Milestone	Proposed Completion Date	Notes
Purchase order issued for new bus	August 15,2019	
Delivery of new bus	February 1, 2020	
Existing bus scrappage with required documentation	February 15, 2020	
Reimbursement request with required documentation	February 25,2020	

School Bus Replacement Application Cover



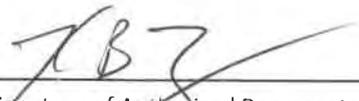
Project Narrative - Continued

Application Check List

- School Bus Application Cover
- Bus Data Form for each bus
- EPA DEQ emission results report used in the Bus Data Form for each bus
(For example see <http://www.akenergyauthority.org/Programs/vwsettlement>)
- Project Evaluation Form for each bus
- Map of bus route including fleet yard location for each bus
- Bus odometer photo

Application Acknowledgement

The undersigned certifies that they are the authorized agent of the above stated entity, and that all information and documentation submitted to the Alaska Energy Authority for an award of the VW Settlement Funds are truthful and correct, and that the applicant is in compliance with, and will continue to comply with, all applicable state and federal law, and that they can legally commit the entity to these obligations.



Signature of Authorized Representative

KEVIN B LYON

Authorized Representative Name

6/12/2019

Date
DIRECTOR OF PLANNING & OPERATIONS

Title

Kenai Peninsula Borough School District

Bus ID:

115

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
Bus ID #	Existing Bus	Replacement Bus
Bus Ownership (complete next page)	115	NA
VIN #	4UZ6CFAA7YCF99130	NA
Engine Serial Number	56601544	NA
Bus Make	Thomas	NA
Bus Model	1100S	
Bus Model Year	1999	2020
Bus Class/Type (Class 4-8)	C	D
Gross Vehicle Weight Restriction	29,320	36,220
Fuel Type ¹ (complete next page)	ULSD	ULSD
Average Fuel Efficiency (MPG)	5.32	7
Annual Fuel (gals)	976	NA
Annual Miles Traveled	3833	NA
Annual Idling Hours	150	NA
Total Mileage	96712	NA
Annual Fuel Reduction (gals) ²	NA	NA
Remaining Life (years) ³	9	173
Attrition year (please explain) ⁴	2029	NA
Equipment Cost (limited to cost of bus, tariffs & shipping) ⁵	NA	138,458
Labor Cost ⁶	NA	325

1. This funding opportunity is strictly to replace/repower existing diesel transit buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 19 - (2019-2005) = 5 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.
4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
5. Include cost of EV charging infrastructure if replacement bus is all-electric.
6. Labor includes onboarding, signage, and scrapping of old bus but not administrative costs.

Bus Ownership Information	
Both government and non-government -owned buses are eligible for repower/replacement. If the bus is contracted, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	Kenai Peninsula Borough School District
Bus owner address	148 N Binklet St.
Bus owner city/state/zip code	Soldotna AK 99669
Contract expiration date	
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	
Yes	

Non-diesel Replacement Buses
If requesting funding for alternative-fuel buses (eg. compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).
Fuel Type

Bus Replacement Cost		
	Total Cost (\$)	Requested Funds (\$)
Bus	129,153.00	129,153.00
Shipping	9,305.00	9,305.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure (other than electric)		
Labor (includes onboarding, signage, scrapping of old bus)	325.00	325.00
Total Project Cost	138,783.00	

Kenai Peninsula Borough School District

Bus ID:

116

Please complete the table below. The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	116	NA
Bus Ownership (complete next page)		
VIN #	4UZ6CFAA9YCF99131	NA
Engine Serial Number	56601532	NA
Bus Make	Thomas	
Bus Model	1100S	
Bus Model Year	1999	2020
Bus Class/Type (Class 4-8)	C	D
Gross Vehicle Weight Restriction	29,320	36,220
Fuel Type ¹ (complete next page)	ULSD	ULSD
Average Fuel Efficiency (MPG)	5.32	7
Annual Fuel (gals)	915	NA
Annual Miles Traveled	6409	NA
Annual Idling Hours	150	NA
Total Mileage	160276	NA
Annual Fuel Reduction (gals) ²	NA	289
Remaining Life (years) ³	9	NA
Attrition year (please explain) ⁴	2029	NA
Equipment Cost (limited to cost of bus, tariffs & shipping) ⁵	NA	138,458
Labor Cost ⁶	NA	325

1. This funding opportunity is strictly to replace/repower existing diesel transit buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.
2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.
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4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.
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Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (eg. compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	

Bus Replacement Cost		
	Total Cost (\$)	Requested Funds (\$)
Bus	129,153.00	129,153.00
Shipping	9,305.00	9,305.00
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure (other than electric)		
Labor (includes onboarding, signage, scrapping of old bus)	325.00	325.00
Total Project Cost	138,783.00	



INTEGRATED RES BUS

Sales Proposal For:

Kenai Peninsula Borough School District

Presented By:

RWC INTERNATIONAL, LTD.

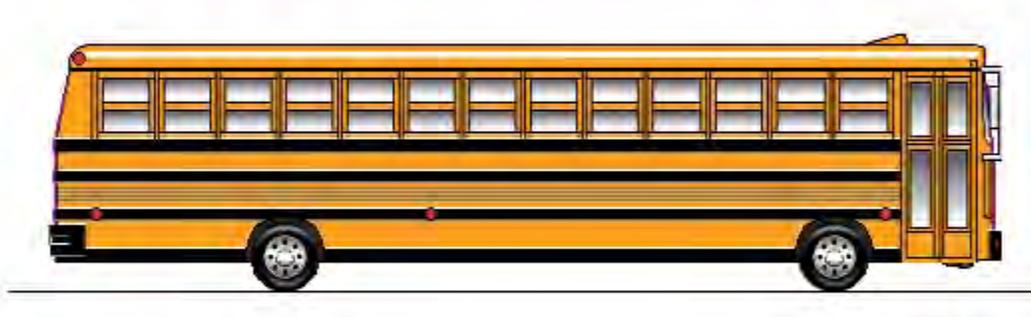
Prepared For:

Kenai Peninsula Borough School District
Rachelle Goniotakis
139 E. PARK AVE
SOLDOTNA, AK 99669-
(907)262 - 9361
Reference ID: 72 R-ED 114 LUG

Presented By:

RWC INTERNATIONAL, LTD.
Mike Lash
7880 SANDLEWOOD PLACE
ANCHORAGE AK 99507 -
(907)279-9591

Thank you for the opportunity to provide you with the following quotation on a new IC Corporation vehicle. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.



Model Profile

2020 INTEGRATED RE S BUS (PB305)

APPLICATION:

School Transportation

MISSION:

Requested GVWR: 36220. Calc. GVWR: 36220
Calc. Start / Grade Ability: 18.07% / 0.90% @ 55 MPH
Calc. Geared Speed: 82.8 MPH

DIMENSION:

Wheelbase: 276.00, CA: N/A, Axle to Frame: 118.00

ENGINE, DIESEL:

{Cummins L9 270} EPA 2017, 270HP @ 2000 RPM, 800 lb-ft Torque @ 1300 RPM, 2200 RPM
Governed Speed, 270 Peak HP (Max), for School Bus Only

TRANSMISSION, AUTOMATIC:

{Allison 3000 PTS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, Less PTO
Provision, Less Retarder, Includes Oil Level Sensor, with Direct Mount Cooler 7-Plate Design
(Standard Capacity), with 80,000-lb GVW and GCW Max, School Bus

CLUTCH:

Omit Item (Clutch & Control)

AXLE, FRONT NON-DRIVING:

{Meritor MFS-14-122A} I-Beam Type, 14,000-lb Capacity

AXLE, REAR, SINGLE:

{Dana Spicer 23060SH R/O} Single Reduction, Pinion Up, 23,000-lb Capacity, 200 Wheel Ends
Gear Ratio: 4.88

TIRE, FRONT:

(2) 11R22.5 Load Range H ECOPLUS HS3 (CONTINENTAL), 495 rev/mile, 75 MPH, All-Position

TIRE, REAR:

(5) 11R22.5 Load Range H HDW2 (CONTINENTAL), 495 rev/mile, 75 MPH, Drive

SUSPENSION, REAR, AIR, SINGLE:

{International IROS} 23,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers

PAINT:

Cab schematic 100WC
Location 1: 4421, School Bus Yellow (Std)
Chassis schematic N/A

**Electronic Parameters Summary
2020 INTEGRATED RE S BUS (PB305)**

June 10, 2019

(0004AZS)

ATTACHMENTS: 0007SDP 0008TPL 0005PRJ 0004193 0004091 0004NDB 0002AST

<u>Parameter</u>	<u>Value</u>	<u>UOM</u>
Wingman Following Distance Alert	2, WINGMAN FOLLOWING DISTANCE ALERT CONFIGURATION #2	N/A
Max Accelerator Vehicle Speed	65	MPH
Road Speed Governor Upper Droop	0	MPH
Road Speed Governor Lower Droop	0	MPH
Max Engine Speed No Veh Speed Sensr	1700	RPM
Idle Speed Adjustment Enable	N, DISABLE FEATURE OR FUNCTION	N/A
Low Idle Speed	700	RPM
Idle Shutdown Enable	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Time Before Shutdown	15.0	MIN
ISD Percent Engine Loading	100	%
ISD With PTO	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Manual Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD With Parking Brake Set	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Ambient Temperature Override	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Cold Ambient Air Temperature	30	F
ISD Intermediate Ambient Air Temp	40	F
ISD Hot Ambient Air Temperature	81	F
ISD Manual Override Inhibit Zone En	N, DISABLE FEATURE OR FUNCTION	N/A
ISD Hot Ambient Automatic Override	N	N/A
ISD Engine Coolant Temp Threshold	30	F
Cruise Control Enable	Y, ENABLE FEATURE OR FUNCTION	N/A
CC Maximum Vehicle Speed	55	MPH
CC Save Set Speed	N, DISABLE FEATURE OR FUNCTION	N/A
CC Upper Droop	0.0	MPH
CC Lower Droop	0.0	MPH
CC Auto Resume	N, DISABLE FEATURE OR FUNCTION	N/A
Adaptive Cruise Control Recovery	0, KEY CYCLE REQUIRED	N/A
PTO Max Engine Speed	2200	RPM
PTO Max Vehicle Speed	5	MPH
PTO Service Brake Override	Y, ENABLE FEATURE OR FUNCTION	N/A
PTO Resume Switch Speed	925	RPM
PTO Set Switch Speed	850	RPM
PTO Ramp Rate	100	RPM/SEC
Engine Protection Shutdown	N, DISABLE FEATURE OR FUNCTION	N/A
Engine Protection Restart Inhibit	Y, ENABLE FEATURE OR FUNCTION	N/A
Engine Prot Coolant Level Shutdown	N, DISABLE FEATURE OR FUNCTION	N/A
Trip Information Vehicle Ovrsped1	0	MPH
Trip Information Vehicle Ovrsped2	0	MPH
Maintenance Monitor Enable	N	N/A
Maintenance Monitor Operating Mode	0, MAINTENANCE MONITOR AUTOMATIC MODE OF OPERATION	N/A
Maintenance Monitor Alert Percent	90	%
Maintenance Monitor Distance	15000	MILES
Maintenance Monitor Fuel	2000	GALLONS
Maintenance Monitor Time	500	HOURS
Maintenance Monitor Interval Factor	1.00	N/A
Master Password	000000	N/A
Adjustment Password	000000	N/A
Reset Password	000000	N/A

These Electronic Parameters have been successfully finalized

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
PB30500	Base Chassis, Model INTEGRATED RE S BUS with 276.00 Wheelbase, N/A CA, and 118.00 Axle to Frame.
1AGY	FRAME RAILS High Strength Low Alloy Steel (50,000 PSI Yield); 10.000" x 3.000" x 0.250" x 471.3" OAL; 276" WB
1LLE	BUMPER, FRONT Contoured, Steel, Severe Duty
1LNT	CROSSING GATE, FRONT Omit Item
2AST	AXLE, FRONT NON-DRIVING {Meritor MFS-14-122A} I-Beam Type, 14,000-lb Capacity
3ADD	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 14,000-lb Capacity, with Shock Absorbers
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers
4722	DRAIN VALVE {Bendix DV-2} Automatic, with Heater, for Air Tank
4AZS	AIR BRAKE ABS {Bendix AntiLock Brake System} with Electronic Stability Program (4-Channel; 4 Sensor/4 Modulator) with Automatic Traction Control
4EBZ	AIR DRYER {Bendix AD-IP} with Heater, Mounted Center of Double Crossmember, Forward of Rear Axle
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 Spring Brake
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqIn
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VBX	AIR TANK LOCATION (2) Mounted Between Frame Rails and Over Front Axle
4WEA	PARKING BRAKE INTERLOCK Parking Brake Cannot be Released until Ignition Switch is in the "ON" Position and the Service Brake Pedal is Applied, Use with air brake chassis only.
5710	STEERING COLUMN Tilting and Telescoping
5CAL	STEERING WHEEL 2-Spoke, 18" Dia., Black
5PRJ	STEERING GEAR {TRW (Ross) TAS65} Power
7BLR	EXHAUST SYSTEM Single, Horizontal Aftertreatment Device, Frame Mounted Outside Left Rail, Includes Single Horizontal Tail Pipe
7SDP	ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch
7WBG	TAIL PIPE (1) Horizontal, Long, Exits Left Side Under Bumper
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
8540	HORN, ELECTRIC (2) Trumpet Style
8614	BRAKE WARNING INDICATOR Light; for Engaged Rear Wheel Parking Brake
8GHV	ALTERNATOR {Delco Remy 28SI} Brush Type, 12 Volt 200 Amp. Capacity, Pad Mount
8NBX	BATTERY SYSTEM {JCI} Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud
8TPL	COLLISION MITIGATION SYSTEM {Bendix Wingman Advanced} Adaptive Cruise Control with Collision Mitigation and Stationary Object Alert; Includes Front Antenna, Driver Display
8TUP	BATTERY BOX Steel, with Sliding Tray, 25.25" Wide, for Standard Batteries, 2-3 Battery Capacity, Mounted Right Side Behind Rear Axle Perpendicular to Frame Rail

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
8WCB	INDICATOR, LOW OIL PRESSURE / HIGH COOLANT TEMPERATURE / LOW COOLANT LEVEL Light and Audible Alarm; Electronic Controlled
8WNH	RUNNING LIGHT (2) Daytime
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XBC	TURN SIGNAL FLASHER {Truck Lite #97232} Solid State 12 or 24-Volt; for LED or Incandescent Lamps, with Audible Signal
10020	CHASSIS PAINT Full Chassis
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
10788	PAINT TYPE Urethane, One or Two Colors, Other than Imron or International.
10947	KEYS - ALL ALIKE Fleet, Ignition Only
10AA Y	OVER THE AIR PROGRAMMING {Navistar} for Cummins Engines
10DAR	PROMOTIONAL PKG, DRIVER FIRST Driver First Bus
10DAS	PROMOTIONAL PKG, CORR RESIST Corrosion Resistant Bus
10WBA	KEYS - ALL ALIKE, ID Z-250
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines
12EMM	ENGINE, DIESEL {Cummins L9 270} EPA 2017, 270HP @ 2000 RPM, 800 lb-ft Torque @ 1300 RPM, 2200 RPM Governed Speed, 270 Peak HP (Max), for School Bus Only
12TJB	FAN DRIVE {Horton Modulator} Viscous Type, Two-Speed, with Mechanical Gear Drive 90 Degree Unit, Electronically Controlled
12UBP	RADIATOR SIDE MOUNTED; Aluminum, Over Under System, 1296 SqIn, 332 SqIn CAC
12UGN	THROTTLE, HAND CONTROL Electronic
12VBC	AIR CLEANER Single Element
12VGZ	FEDERAL EMISSIONS {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2019
12VVN	CRUISE CONTROL Electronic
12VWH	GOVERNOR Electronic Road Speed Type; for Electronic Engines and Bus Models; with 55 MPH Default
12WAE	HOSE CLAMPS, RADIATOR HOSES Constant Torque, for Engine Hoses 1.0" I.D. and Over
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
13AWN	TRANSMISSION, AUTOMATIC {Allison 3000 PTS} 5th Generation Controls, Close Ratio, 5-Speed with Overdrive, Less PTO Provision, Less Retarder, Includes Oil Level Sensor, with Direct Mount Cooler 7-Plate Design (Standard Capacity), with 80,000-lb GVW and GCW Max, School Bus
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUM	ALLISON SPARE INPUT/OUTPUT for Pupil Transportation Series (PTS)
13WYU	SHIFT CONTROL PARAMETERS Allison 3000 or 4000 Series Transmissions, 5th Generation Controls, Performance Programming

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
14AHR	AXLE, REAR, SINGLE {Dana Spicer 23060SH R/O} Single Reduction, Pinion Up, 23,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 4.88
14TBT	SUSPENSION, REAR, AIR, SINGLE {International IROS} 23,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers
14WMN	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints
15LMN	FUEL/WATER SEPARATOR {Racor 400 Series,} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor
15SJX	FUEL TANK Steel, Rectangular, 105 US Gal (397L), Includes Protective Cage, Mounted Between Frame Rails and Ahead of Rear Axle
15WEA	DEF TANK 12 US Gal (45L) Capacity, Frame Mounted Outside Left Rail, Behind Rear Axle
16015	PLATFORM Standard Location
16HAA	GAUGE CLUSTER English with English Electronic Speedometer and with Tachometer for Air Brake Chassis
16HJC	GAUGE PACKAGE Includes Hourmeter and Oil Temperature Gauge (Automatic Transmission)
16HLJ	GAUGE, DEF FLUID LEVEL
26DUZ	WHEEL, SPARE, DISC {Accuride 51487} 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted
27DUY	WHEELS, FRONT {Accuride 51487} DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
28DUY	WHEELS, REAR {Accuride 51487} DUAL DISC; 22.5x8.25 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
29007	TIRE, SPARE Equal to Model Standard
29580	WHEEL SEALS, FRONT {International} Oil-Lubricated Wheel Bearings
47ACG	BODY, BUS for RE; 78" Headroom, 39'11" Body Length, 84 Passenger, 276" WB
47AMA	FASTENERS, EXTERIOR MOUNTED Stainless Steel Screws; for Fender and Body Exterior Rear View Mirrors, Bumper Mounted Crossing Gate and Body Mounted Stop Arm
47APN	HEADLINER, BODY for RE; Perforated Full Length with Sound Insulation Full Length
47APX	FASTENERS, HEADLINER Screws
47ARH	BOWS, ROOF 14 ga., One Piece Construction
47ARP	LIGHT BARS Plastic
47ARY	SKIRT, BODY for RE; 28", 16 ga.
47AUR	TIE DOWNS, BODY Grade 8 Bolts, Every Body Section
47AVD	SKID PLATE Right Front Step Well Guard
47AXC	RUB RAILS, BODY (4) for RE; Steel, All Body Lengths Includes Snow Rail
47AZJ	SIDE SHEET, BODY, EXTERIOR for RE, 16 ga., Smooth
47BAK	BUMPER, REAR Painted, 12" High, 3/16" Thick
47BAR	SUPPORTS, REAR BUMPER Bolted to Frame
47BAV	TOW HOOKS, FRONT (2) 1 Left, 1 Right
47BAW	TOW HOOK, LEFT REAR (01)

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
47BAX	TOW HOOK, RIGHT REAR (01)
47BBH	LINING, SIDE INTERIOR, LOWER Embossed Steel, Clear Coated
47BBN	HANDLE, ASSIST, OVER WINDSHLD Body Color
47BBW	LATCH, ACCESS DOOR Front, Lever Type
47BBZ	SEALER Extra; Sidewall to Floor, In Wheel Pocket Area, and Rear Wall to Floor
47BDA	FLOOR, COATING , Chemguard Metal Coating, Applied to Main Floor and Intermediate Sills
47BDB	BODY CERTIFICATION TAG Mylar Label for the State of Alaska
47BKK	LETTERS, SCHOOL BUS FRONT/REAR Decal; "SCHOOL BUS"; with 8" Black Reflective Letters, 3M Fluorescent Diamond Grade, Yellow On Front and Rear Cap
47BLE	STEP, FRONT ENTRANCE DOOR 25 3/4" Depth; 14ga Steel, Formed Treads, Naviflex Finish
47BLP	BODY TAG, METAL Omit
47DAA	CONTROL, ENTRANCE DOOR Electric Over Air, 2 Position Selector Switch Mounted left of Driver
47DBP	DOOR, ENTRANCE, FRONT Air, Outward Opening, with Split Pane Glass
47DCJ	DOOR, SIDE EMERGENCY, LEFT 25"; Installed Forward of Rear Wheel Pocket
47DCZ	HOLD BACK, LEFT SIDE Side Emergency Door, with Plastic Cover
47DDE	HANDLE, ASSIST, ENTRANCE DOOR Outside Entrance
47DDX	LATCH, EMERGENCY DOOR, LEFT One Point Slide Bar, Cam Operated, with One Inch Stroke
47DSC	COMPARTMENT, LUGG, PASS THRU (01) 114"
47EBM	HOLD DOWN, BATTERY For (2) Standard Size Batteries
47ECG	COMPARTMENT, TOOL, FWD RIGHT of Right Side Rear Wheels, Key Lock, 13"x 15"x 25 1/2"
47EHB	CARTON, SHIPPING for Spare Wheel and Tire, Inside Bus
47KBV	HANDLE, EXTERIOR, REAR Emergency Exit Window, Yellow
47LAB	NOISE REDUCTION, DRIVER FLOOR Insulation Covering Complete Driver Floor Area
47LAD	NOISE REDUCTION, ROOF BOW For RE; Insulation 1 1/2", All Body Lengths
47LAU	INSULATION, ROOF AND SIDES 1.50", All Models
47MAC	UNDERCOAT, FLOOR/STEPWLL/SIDES for Engine Noise Reduction
47MAP	LETTERS, SIGN, REAR Decal, "STOP", 8" Letters, Red, "ON FLASHING RED", 5" Mounted on Rear of Bus
47MBA	UNDERCOAT, BODY Fire Resistant, Water Based, TT-C-730 Spec
47MBT	DECAL, SEAT & WHEELCHAIR Decals; Numbering Centered Above Seat Cushion Light Bar, Left Side Numbered Odd & Right Side Numbered Even
47MJG	LETTERS, DOOR, LT Decals; "EMERGENCY DOOR", 2" Black Letters Inside and Outside
47MNE	ARROW, SIDE DOOR, LT OUTSIDE Decal; Black, Indicating Handle Direction
47MRK	STRIPING, BUMPER (3) Decal, Non-contrasting, Front and Rear
47MRT	STRIPING, E/E WINDOW, REAR Perimeter, Reflexite V82
47MSE	STRIPING, REAR END Reflexite 2" Yellow
47MSS	STRIPING, SEATLINE Reflexite V82, 2" Yellow

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

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<u>Code</u>	<u>Description</u>
47MTB	STRIPING, PERIMETER, LEFT Side Emergency Door, Reflexite V82 Yellow Reflective
47MTY	WIRING DIAGRAM Schematic, Electrical
47MVA	LETTERS, HEADER Decal; "WATCH YOUR STEP", 1" Black, Above Windshield
47MVC	LETTERS, STEPWELL Decal, "WATCH YOUR STEP", 2.5" Black, Behind Door on Step Riser
47NAB	PAINT COLOR, RUB RAILS 0001 Canyon Black
47NGW	SEAL, RUB RAILS Top Edge, All Rails
47NJA	PAINT COLOR, BODY EXTERIOR 4421 School Bus Yellow
47NJM	PAINT FLASHER BACKGRD 0001 Canyon Black
47NKL	PAINT, RUB RAIL Flange to Flange
47NKM	PAINT COLOR, BODY INTERIOR 9384 Spring White
47NKZ	LETTERS, FUEL I.D. Decal; "DIESEL FUEL", 2" Black, Adjacent to Fuel Filler Door
47NLB	HANDLE, EXTERIOR, LEFT Emergency Door; Yellow
47NMB	OPERATING INSTR, LEFT Decal, Inside Side Emergency Door
47NMR	ARROW, SIDE DOOR, LT INSIDE Decal; Red Indicating Handle Direction
47NNA	LETTERS, E/E WINDOW, LEFT (01) Decal Set, "EMERGENCY EXIT", Black Inside and Outside
47NNY	LETTERS, E/E WINDOW, RIGHT (01) Decal Set, "EMERGENCY EXIT", Black, Inside and Outside
47NRN	STRIPING, E/E WINDOW, LEFT (01) Perimeter, Reflexite V82, 1" Yellow
47NRT	STRIPING, E/E WINDOW, RIGHT (01) Perimeter, Reflexite V82, 1" Yellow
47NTE	LOGO, ROOF LINE Decal; Wing and Shield, First Body Section, Above Driver Window and Entrance Door Over Driver Window and Entrance Door
47PLX	LETTERS, DEF, I.D. Decal; "DEF ONLY", 1" Black, on DEF Filler Door
47PMM	LOGOS EXTERIOR Engine Decal
47SAV	SUB FLOOR, PLYWOOD For RE; B-B Marine Grade, Less Sealed Edges, 5/8", 5 Ply, for All Body Lengths
47SLZ	POSITION DOOR, LEFT Side Emergency Door, Modified FWD Door Position Within Opening, with 25" Door, Located Forward of Rear Wheel Pocket
47SPE	ALPHA/NUMERIC DECAL GUIDE Quantity 051-60
48ACN	SEAT BELT, DRIVER, COLOR with Blaze Orange Seat Belt Webbing
48ALA	WINDOW, SIDE OFFSET, LT 18", Split Sash Type, with Modified Door Position
48ANW	WINDOW, DRIVER Storm
48APL	WINDOW, STOPS 12" Opening, Only with 78" Headroom
48APX	WINDOW, ENTRANCE DOOR, TOP Storm, Clear, Tempered
48APY	WINDOW, ENTRANCE DOOR, BOTTOM Storm, Clear, Tempered
48ASC	WINDOW, SASH (24) 27" Sections, 9"x 23" Opening
48BAG	WINDOW, E/E, LEFT (01) Vertical Hinge
48BJA	COLOR, WINDOW FRAME, PASS Passenger Window, Natural Aluminum Finish
48BKN	WINDOW, E/E, RIGHT (01) Vertical Hinge

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

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<u>Code</u>	<u>Description</u>
48CCJ	WINDOW, PASSENGER, TINT Clear, Tempered Glass
48CUV	HAND RAIL, ENTRANCE DOOR, FWD 1.25" Diameter Stainless Steel; 30" Height
48CWX	WINDOW, REAR Emergency Exit, with Black Interior Frame, Glass Type to Match Passenger Windows
48DBN	SHIELD, COURTESY, AFT ENTR DR Padded, 30", Mounted Under Stanchion
48DCE	STANCHION, AFT ENTRANCE DOOR Stainless Steel, 30"
48GHC	HEATER, DRIVER 90,000 BTU, with Defroster and without Rear Heat Duct
48NAT	FITTINGS, AIR SEAT for Driver Seat
48PAC	WINDSHIELD 4 Flat Pieces, 73% Light, with Shaded Band
48PAV	WHEEL POCKET COVER Plastic, ABS
48PAY	AISLE POSITION Center, for balanced seating
48PEW	FLOOR COVERING, COLOR Gray #766
48PHN	UPHOLSTERY, PASS SEATS, TYPE Prevaill, 42 oz.; for (21-22) Seats
48PKC	HOSE CLAMPS, HEATER HOSE Constant Torque for Heater System
48PKR	FAN, DEFOG LEFT CENTER 6.50" Diameter, Black, Mounted Left of Center Post, 2-Speed Switch in Panel
48PKS	FAN, DEFOG RIGHT CENTER 6.50" Diameter, Black, Mounted Over Windshield, 15" Right of Centerline, 2-Speed Switch in Panel
48PLX	HEATER, DRIVER, ADDITIONAL For FE, RE, 14,000 BTU
48PMC	HEATER, PASS, LT MIDSHIP 1ST 50,000 BTU
48PMJ	HEATER, PASS, LT REAR 84,500 BTU
48PNR	HEATER HOSE INSULATION
48PNS	KICK GUARD, MIDSHIP, LT 1ST for 50,000 BTU Passenger Heater
48PNZ	HEATER, WATER PUMP {2 MPU 12} Self Priming, Metal Housing
48PPC	SWITCH, HTR FAN, REAR, LT with 84,500 BTU Rear Heater Only
48PPE	KICK GUARD, REAR, LT for 84,500 BTU Passenger Heater
48PPN	HEATER CUT OFF, VALVE Quarter Turn Operation
48PPS	ROOF VENT, FRONT Static
48PUP	FLOOR COVERING, TRIM Omit
48PUT	NUTS, BELT MOUNTING Standard Nuts For Seat Belt Mounting
48PVA	UPHOLSTERY, DRIVER SEAT, STYLE Plain, with Cloth Insert
48PVN	UPHOLSTERY, DRIVER SEAT, COLOR Drivers Seat, Gray
48PWD	UPHOLSTERY, PASS SEATS, COLOR Gray, for Seats, Barriers and Head Bumpers
48PWR	UPHOLSTERY, DRIVER SEAT, TYPE Prevail, 42 oz.
48PXP	UPHOLSTERY, BARRIER, TYPE (1-2) Prevaill, 42 oz.
48RAE	BARRIER, CRASH, AFT ENTRY DOOR 39", 1 Leg
48RAL	BARRIER, CRASH, AFT DRIVER 39", 1 Leg
48RBW	BARRIER, CRASH, RT, 1ST Position; 39", 1 Leg

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

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<u>Code</u>	<u>Description</u>
48REP	PANEL, MODESTY, AFT OF DRIVER Mounted Under Barrier
48RET	PANEL, MODESTY, AFT ENTR DOOR Mounted Under Barrier
48RGR	HAND RAIL, ENTRANCE DOOR, AFT Stainless Steel, 4", Above Step
48RLX	CUSHION, SEAT 15" Depth
48RLZ	COMPARTMENT, HEATER for Webasto Scholastic Fuel Fired, Mounted Left Side Behind Front Wheel Pocket
48RRA	UPHOLSTERY, SEAT, STITCHING Single
48RYW	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Isolated, with 2 Position Front Cushion Adjustment, 6 to 17 Degree Seat Back Adjustment, Mechanical Lumbar Support, Includes Additional Back Padding
48SDS	SEAT,PASS,LT,39",2 LEG (09)
48SKM	SEAT,PASS,RT,39",2 LEG (11)
48SRA	SEAT,PASS,LT,39",4 LEG (01)
48TSA	SEAT,DAVENPORT,LEFT (01) 39"
48TSH	SEAT,DAVENPORT,RIGHT (01) 39"
48UAH	SEAT,FLIP,LEFT Automatic, (01) 39"
48UCP	ROOF HATCH, FRONT {Transpec 1975-028-121-03} with Outside Release, with English Decals
48UCR	ROOF HATCH, REAR {Transpec 1975-028-121-03} with Outside Release, with English Decals
48USV	SEAT BACK, PASSENGER High Back
48UTV	SEAT RELOCATION Driver Seat Centered with Steering Wheel
48UWW	FLOOR COVERING, TYPE Koroseal, One Piece, Vinyl, All Body Lengths, Dark Gray
48VVR	STEP TREADS {Koroseal} Pebble White Nosing Only, with Non-Metal Backing, used with Formed Treaded Steps
49062	BODY PLAN, APPROVED VARIATION Number 062
49ADR	HEADLIGHTS Halogen, Heavy Duty 5"x 7" Rectangular, with Turn Signal
49AMB	WIRE, FEED 4 Gauge, Chassis To Body
49AMC	TERMINAL STRIP Chassis
49AMD	SWITCH, DRIVER PANEL, TYPE Rocker
49AMT	CIRCUIT, PROTECTION Breakers, Manual Reset in Lieu of Fuses
49ANU	SOURCE, POWER 12 VDC, Mounted In Dash
49ARM	SWITCH, DOME LIGHT, REAR Separate, for Rear Row Dome Lights, Last Light on Each Side
49ASK	FLASHER SYSTEM (8) Warning Lights, Weldon 7000 8-Lamp, Sequential, Electronic Solid State Flasher
49ATV	LIGHT, INDIC, WARNING LIGHTS Red and Amber
49AUL	SWITCH, MASTER FLASHER Lighted Master Switch for Warning Lights, Not Available with Push-Pull Switch
49AUT	SWITCH, OVERRIDE for Flasher System, Operate Red Lights and Stop Sign
49AWE	SPEAKER, OUTSIDE Weatherproof Horn, Under Drivers Platform, Radio Accessory Corporation, Requires Amplifier
49AWT	SPEAKERS AND WIRING (4) Flush Mounted in Light Bar

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
49BDT	ALARM, BACKING {Ecco #SA-917-87} 112 db, Self Adjusting 5db Above Ambient Noise Level
49BLL	WIRING, VIDEO SYSTEM Power and Ground Connection Only; Connection in Flasher Plate Area with 20 Amp Fuse Protection
49BLM	WIRING, TWO WAY RADIO Power and Ground Connection Only; Connection in Flasher Plate Area with 20 Amp Fuse Protection
49BVD	SWITCH, BATTERY Shut-Off, 300A Weather Resistant, In Battery Compartment
49BYT	LIGHTS, STOP (2) {Sound Off} and Tail; 7" Round LED, Red
49BYZ	LIGHTS, DIRECTIONAL, REAR (2) {Sound Off} LED, 7" Round Amber LED
49BZG	LIGHTS, BACK UP (2) {Sound Off} LED, 7" Round Clear
49CKR	FUEL FILLER PIPE Low Profile Neck Cap and Vent Hosing, for Use with Right Side Fill for Between the Rail Fuel Tanks, for Below the Floor Fuel Fill
49CKX	RADIO, ENTERTAINMENT {Custom Radio} AM/FM Stereo/USB Input, Includes Antenna and Cable, with Public Address System, Mounted Overhead in Driver Area
49EAW	LIGHTS, MARKER, SIDE {Sound Off} Rectangular LED, Armored Type, Intermediate, Centered; Required for Units 30 Foot or Longer
49EAX	LIGHTS, DIRECTIONAL, SIDE (4) {Sound Off} Rectangular LED Armored, 2 Each Side First Section Aft Entrance Door & Forward Rear Wheel Pocket
49EGB	MIRROR, INSIDE 10" x 30", Clear
49EGM	MIRROR, CROSS VIEW, EXTERIOR Heated, Black, Rosco
49EHA	MIRROR, REAR VIEW, EXTERIOR Breakaway, Motorized Head, Heated, Black, Rosco
49ELD	STOP ARM, FRONT Electric, Composite Blade, 18" Octagon, Double Sided, 1/2" White Border, Hi Intensity Grade, LED Lights "STOP"
49ELJ	STOP ARM, LEFT REAR Electric, Composite Blade, 18" Octagon, Single Sided, 1/2" White Border, Hi Intensity Grade, LED Lights "STOP"
49ENK	VISOR, INTERIOR, LEFT FRONT 6" x 30", Transparent, For Left Windshield
49EUB	KIT, FIRST AID Metal; 24 Unit, Spec State
49EVL	SWITCH, NOISE SUPPRESSION Actuator Legend States, "NOISE SUPP ", for Separate Solenoid, with Red Switch in Panel
49EWM	LIGHT, STROBE ECCO 6550C, Low Profile, Double Flash, 4.9" High
49EYG	LIGHTS, DOME, DRIVER {Sound Off} (1) Rectangular LED, Mounted 32.94" Left of Center in Ceiling
49GAB	KIT, BODY FLUID Alaska
49GCH	LOCATION, FIRST AID KIT Right Side Front Bulkhead with Screws
49GDA	LATCH, DOOR BULKHEAD Spring Latch, for Bulkhead Mounted Safety Compartment or Destination Sign Access Doors
49GDC	DOOR, FRONT BULKHEAD For Access to Front Bulkhead
49GDD	DOOR, REAR BULKHEAD For Access to Rear Bulkhead
49GEH	SAFETY TRIANGLES Warning Reflectors, Mounted on Drivers Barrier Level with Top of a Modesty Shield
49GGE	FIRE EXTINGUISHER, DRIVER AREA 5 lb 2A-40BC Minimum with Flexible Hose and Metal Nozzle
49GHN	REFLECTORS, REAR (2) 3", Red, Adhesive Back

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

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Code	Description
49GHR	REFLECTORS, SIDE, REAR (2) 3", Red, Adhesive Back
49GHV	REFLECTORS, SIDE, FRONT (2) 3", Amber; Adhesive Back, 1 Aft Drivers Window Left, 1 Aft Entrance Door Right
49GHX	REFLECTORS, SIDE, INTERMEDIATE (2) 3" Amber, 1 Each Side, Below The Third Rub Rail From the Top, Adhesive Back
49GKZ	FUEL FILLER DOOR with Non-Locking Latch
49GTR	WINDSHIELD WASHER Kit; 8 Quart Capacity, Bottle
49GTV	WINDSHIELD WIPERS (2) Bottom Mounted; Pantograph Type; Wet Arms, 28.5"
49GTY	SWITCH, WIPER CONTROL Single, to Control Both Wipers
49GUB	CUTTER, SEAT BELT {TIE TECH Safecut} for Cutting Seat Belts
49GUK	FENDERS, RUBBER, REAR (2)
49GUM	INSPECTION PLATE Fuel Sending Unit 8" x 8" Steel
49GUW	MOISTURE BARRIER, FLOOR Between Plywood and Steel; for AK Body
49GUX	MUD FLAPS, FRONT WHEELS (2) Rubber
49GUY	MUD FLAPS, REAR WHEELS (2) Anti-Spray and Anti-Sail; Behind Rear Wheels
49GWR	INSULATION, FUEL SENDER PLATE Metalized Foam with Adhesive Back
49GWX	HEATER, ENGINE COOLANT Fuel Fired, Webasto Scholastic, 45,000 BTU, with Exhaust Exit Out Left Side
49JAC	DEF FILLER DOOR with Non-Locking Latch
49JBP	LIGHTS, DOME {Sound Off} (07) LED, Rectangular Recessed Type, Mounted in Light Bar
49JBS	LIGHTS, CLUSTER {Sound Off} Oval, 4 Internal LEDs per Light; Amber Front and Red Rear
49JBU	LIGHT, ENTRY DOOR {Sound Off} LED; 4" Oval; Light Mounted in Skirt Behind Entrance Door, Wired To Step Light
49JBV	LIGHT, LICENSE PLATE {Sound Off} LED, with Mounting Gasket
49JBX	LIGHT, STEP {Sound Off} 4" Round LED, White, Wired to Ignition, Operated by Entrance Door
49JBY	LIGHTS, MARKER, FRONT, REAR {Sound Off} (4) Total, Slim-Line Armored LED, (2) Amber Front and (2) Red Rear
49MSW	TIMER, FUEL FIRED HEATER Digital, 7 Day, Programmable, for Webasto Fuel Fired Heater with SmarTemp Control, Mounted on the Electrical Panel
49NGH	LIGHTS, WARNING (8) {Sound Off} (4) 7" Round Red Flashing LED and (4) 7" Round Amber Flashing LED, 2 Front, 2 Rear Each Color
49UAB	STATE OF OPERATION Alaska
49ZNG	LIGHTS, STOP & TAIL ADDITIONAL (2) {Sound Off} 4" Round LED, Red, with Flange
50KRW	BODY PLAN, NON-SPECIAL NEEDS for RE; 39' 11" Body Length, 72 Passenger, 276" WB, DC0505A000
7382135429	(2) TIRE, FRONT 11R22.5 Load Range H ECOPLUS HS3 (CONTINENTAL), 495 rev/mile, 75 MPH, All-Position
7382135430	(5) TIRE, REAR 11R22.5 Load Range H HDW2 (CONTINENTAL), 495 rev/mile, 75 MPH, Drive
OBD002	MISCELLANEOUS FUEL FILL BUCKET REQUIRED TO MEET STATE OF ALASKA SPECS

Services Section:

Vehicle Specifications
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Code</u>	<u>Description</u>
40126	WARRANTY Standard for CE, RE, BE School Bus Models, Effective with Vehicles Built March 1, 2017 or Later, CTS-3304H
ICWD	AUTOMATIC TIRE CHAINS, Insta-Chain 6-Strand
RWC	TIRE CHAINS, 1 Set for Single Tire 11R22.5, Glacier PTCH2247SC
RWC	TIRE CHOCKS, 1 Set (2) P/N 18455
BSC	BSC WORK, Install Only Insta Chains; Re-wire Battery Disconnect Switch so that Webasto heater & Gatekeeper System operate when disconnect switch is OFF; Furnish & Install Winter Type Blades
RWC	MANUALS, OnCommand Parts & Service, Electronic Subscription, 10 Year
BSC	FUEL FILL BUCKET, Rubber fuel fill bucket flush with the outside skin on a plate that replaces standard fuel door

Financial Summary
2020 INTEGRATED RE S BUS (PB305)

June 10, 2019

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Net Sales Price:		\$138,458.00
Freight	\$9,305.00	
Note: Memo item(s) shown here are included in the above Net Sales Price.		

Price is quoted FOB Anchorage, AK and does not include fees for title and registration. Please allow 180 days for delivery. Price is valid for 30 days.

Thank you for the opportunity to provide this proposal. Please call me at (907) 265-0225 or email at mlash@rwcgroup.com with any questions.

Regards,

Mike Lash
General Manager, Alaska
RWC Group

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

RWC INTERNATIONAL, LTD.
7880 SANDLEWOOD PLACE
ANCHORAGE AK 99507 -
(907)279-9591

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

Monday, June 10, 2019

TRUCK PURCHASE AND DEPOSIT AGREEMENT

Rachelle Goniotakis
Kenai Peninsula Borough School District
139 E. PARK AVE
SOLDOTNA, AK 99669 USA

Proposal Number: 72 R-ED 114 LUG

CUSTOMER TRUCK AND EQUIPMENT PURCHASE ORDER AND DEPOSIT AGREEMENT

I hereby place a firm order for the chassis and/or body described on the attached proposal, which includes standard equipment set forth in current Original Equipment Manufacturer's (OEM) price lists unless otherwise specified herein, together with the equipment designated on the previous page(s); and I agree to pay the full purchase price shown in accordance with the terms and conditions contained in this Purchase Order. I understand this Purchase Order becomes binding only when signed by a person authorized to accept on behalf of RWC International, Ltd ("Distributor").

TRUCK PURCHASE DEPOSIT AGREEMENT

It is agreed and understood by the undersigned that this deposit will be held by Distributor, and will be applied toward the cash purchase price, cash down payment, or initial lease-purchase payments, whichever shall apply at time of delivery.

It is further agreed and understood that if the Customer cancels the above referenced Sales Order at any time after the chassis has: (1) reached a non-cancelable point at the factory, (2) been purchased by the Distributor from another distributor, or (3) has undergone Sales Order modifications at Distributor expense, that the Distributor shall reserve the right, at its discretion, to hold the deposit until the chassis is sold in the market or is otherwise satisfactorily disposed of; in which even the Distributor will be allowed to retain from the deposit whatever charges it may incur until the chassis is sold and damages it shall have suffered by reason of such cancellation; provided, in the event the charges incurred and damages suffered by Distributor exceed the deposit, Customer agrees to pay Distributor the amount of such excess, and in the event there is a balance after said charges and damages, the balance will be remitted to Customer within ten (10) days thereafter. If the Sales Order is cancelled at no loss or inconvenience to the Distributor, the deposit will be returned to Customer upon request.

The foregoing shall not be interpreted to give the Customer a right to cancel the aforesaid Purchase Order, but merely sets forth the rights to the use of the purchase deposit in the event the Purchase Order is cancelled with the consent of the Distributor.

THE PURCHASE ORDER AND DEPOSIT AGREEMENT INCLUDING THE LIMITATION OF WARRANTY IN PARAGRAPH 5 SHALL BE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NOTES BELOW.

Customer Signature of Approval: _____ DATE ____/____/____

Distributor's Acceptance. Subject to the conditions contained herein, this order for the above described chassis hereby accepted.

Accepted for RWC INTERNATIONAL, LTD. By: _____

This Order is given and accepted subject to the following:

CONDITIONS

1. Distributor shall not be responsible for any failure or delay in shipment or delivery due to causes beyond his control. Such failure or delay shall extend the time of performance by such time as may be necessary to enable Distributor to make delivery. If the delay shall extend Thirty days beyond the delivery date set forth in this agreement, Distributor may cancel this order and return to Customer any deposit made with Distributor, and Distributor shall be relieved of any further liability to Customer
2. If Customer fails to pay the balance due prior to delivery as set forth herein or breaches any other provision of this agreement, Distributor at his option may cancel this order and retain any deposit made by Customer as liquidated damages, or he may enforce the terms of this agreement. Customer agrees that the venue of any suit or action based on this agreement may be at the Distributor s option, be laid in the county in which Distributor s principal place of business is located, and that in the event of any such suit or action Customer will pay reasonable attorney s fees incurred by Distributor.
3. Buyer agrees to pay the amount of any tax imposed upon the transaction covered by this agreement.
4. If any material is furnished by Customer for use in the manufacture of the vehicle purchased herein, Customer agrees to indemnify and hold harmless the Distributor and manufacturer from any and all costs, claims and damages arising from any defect in such material.
5. Limitation of Warranty. It is expressly agreed that the Distributor makes no warranties, express or implied, including no warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE with regard to the equipment described above, except those warranties which are in writing and made part of this agreement and such warranties as may be granted by the manufacturer of the equipment covered by this agreement; and that in no event shall the Distributor be liable for incidental or consequential damages or commercial losses. Customer acknowledges that the has read, understood, and agreed to the contents and that the same is a part of the bargaining and negotiating of this agreement.
6. If the terms of payment herein provided are other than cash, this Purchase Order and the terms of payment shall be subject to the approval of the credit of the Customer by the Distributor. Distributor shall notify Customer upon approval of credit. If Customer does not pay according to the terms of payment, the unpaid balance shall bear interest at an annual percentage rate of eighteen percent (18%).
7. Any change to a factory ordered vehicle is subject to a change fee after three calendar days from date of original order. Fees are outlined in Navistar letter G-1873B and will be supplied to the purchasing customer upon request.

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Kake City School District Cost Estimate Documentation

One bus selected for replacement:

1. #01

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School Bus Replacement Application Cover



Date of Application	11-Jun-19
Applicant/Agency Name	Kake City School District
Employer/Taxpayer ID (EIN/TIN)	92-6001322
Address	175 Library Lane
City/Zip	Kake, AK 99830

Authorized Representative Name	Richard Catahay
Contact Title & Association	Superintendent
Phone	(907)785-3741 ext 230
Email	superintendent@kakeschools.com

Alternative Authorized Representative Name	
Contact Title & Association	
Phone	
Email	

Project Narrative

Please describe in detail the project, including the number of buses being replaced, bus ownership, timeline of events, and plans for scrappage of existing bus(es). Include information such as voluntary matching funds, timing of other funding sources, or in the case of alternative fueled vehicles, related infrastructure plans and funding. Use the next page or attach additional pages if necessary.

We are seeking to replace our two diesel school buses (2001 and 2006 model year) that we currently use to transport students, with new much more efficient Diesel powered buses. Kake City School District owns and operates these two School Buses. Both buses have passed the State mandated inspections and are the only buses we have for transporting students. We would be providing up to \$25,000 of voluntary matching funds for this project. The cost for the new buses is approximately \$115,000 each (A portion of this cost is to ship the buses to our island from Seattle, Washington on Alaska Marine Lines (Barge Service). The cost also includes automatic chain spinners and winter options (Heaters, headbolt heaters etc.) for Kake's winter driving climate and conditions. We have included \$1,000 of labor for each bus. The labor cost is to drill a hole in the block of each engine and cut the chasis on each bus which will permanently disable the buses. The total cost for 1 Bus is \$116,000. If we were awarded both buses the total cost would be \$232,000. The Buses would receive their fuel supply from our local fuel station Kake Tribal Fuel. The purchase order for the new bus(es) would be by December of 2019. The Delivery of the new Bus would be by March of 2020. The scrappage of the existing bus(es) would be by April of 2020. Our reimbursement request would be submitted in April of 2020 after the old bus(es) had been scrapped. We originally tried to get a Propane Powered Bus but we do not have the facillites or mechanical ability necessary to work on that type of bus. Options for Electric Powererd Vehicles are not a reality here due to the extremely high electricity costs.

Milestone	Proposed Completion Date	Notes
Purchase order issued for new bus	Dec-19	
Delivery of new bus	Mar-20	(Shipping via Alaska Marine Lines)
Existing bus scrappage with required documentation	Apr-20	(Scrapped/documentated by local mechanic.
Reimbursement request with required documentation	Apr-20	

School Bus Replacement Application Cover



Project Narrative - Continued

Application Check List

- School Bus Application Cover
- Bus Data Form for each bus
- EPA DEQ emission results report used in the Bus Data Form for each bus
(For example see <http://www.akenergyauthority.org/Programs/vwsettlement>)
- Project Evaluation Form for each bus
- Map of bus route including fleet yard location for each bus
- Bus odometer photo

Application Acknowledgement

The undersigned certifies that they are the authorized agent of the above stated entity, and that all information and documentation submitted to the Alaska Energy Authority for an award of the VW Settlement Funds are truthful and correct, and that the applicant is in compliance with, and will continue to comply with, all applicable state and federal law, and that they can legally commit the entity to these obligations.

Richard Catahoy
Signature of Authorized Representative

6-11-19
Date

Richard Catahoy
Authorized Representative Name

Superintendent/Principal
Title

Applicant: Kake City School District

Bus ID: _01

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>) *Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	1	NA
Bus Ownership (complete next page)	Kake Schools	Kake Schools
VIN #		NA
Engine Serial Number	EF3126210	NA
Bus Make	Thomas	Thomas
Bus Model	19060S	C2
Bus Model Year	2002	2019
Bus Class/Type (Class A-D)	B	B
Gross Vehicle Weight Restriction	30,000	30,000
Fuel Type ¹ (complete next page)	Diesel #2	Diesel #2
Average Fuel Efficiency (MPG)	2	4
Annual Fuel (gals)	1800	NA
Annual Miles Traveled	3600	NA
Annual Idling Hours	107	NA
Total Mileage	272117	NA
Annual Fuel Reduction (gals) ²	NA	900
Remaining Life (years) ³	12	NA
Attrition year (please explain) ⁴	2025	NA
Equipment Cost limited to cost of bus & shipping ⁵	NA	\$115,000
Labor Cost	NA	\$1,000

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.

2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.

4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.

5. EV charging infrastructure if applicable

6. Not to include administrative costs

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	Kake City School District
Bus owner address	175 Library Lane
Bus owner city/state/zip code	Kake, AK 99830
Contract expiration date	NA
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	\$110,000	\$95,000
Shipping	\$5,000	5,000
Other - (please explain)	NA	NA
Electric Vehicle charging infrastructure	NA	NA
Alternative fueling infrastructure	NA	NA
Labor (includes onboarding, signage, scrapping of old bus) ⁶	\$1,000	\$1,000
Total Project Cost		101,000

First Student Cost Estimate Documentation

One bus selected for replacement:

1. #211068

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School Bus Replacement Application Cover



Date of Application	11/15/19
Applicant/Agency Name	First Student, Inc.
Employer/Taxpayer ID (EIN/TIN)	59-2364035
Address	600 Vine St., Suite 1400
City/Zip	Cincinnati, OH 45202

Authorized Representative Name	Brian Beechem
Contact Title & Association	Sr. Director First Student, Inc.
Phone	513.419.3218
Email	brian.beechem@firstgroup.com

Alternative Authorized Representative Name	Joseph Dean
Contact Title & Association	Manager Ryan, LLC
Phone	213.627.1719 Ext. 19-5258
Email	joseph.dean@ryan.com

Project Narrative

Please describe in detail the project, including the number of buses being replaced, bus ownership, timeline of events, and plans for scrappage of existing bus(es). Include information such as voluntary matching funds, timing of other funding sources, or in the case of alternative fueled vehicles, related infrastructure plans and funding. Use the next page or attach additional pages if necessary.

Please refer to Project Narrative attached below

Milestone	Proposed Completion Date	Notes
Purchase order issued for new bus	February - March 2020	
Delivery of new bus	August-September 2020	
Existing bus scrappage with required documentation	September 2020	See Project Narrative
Reimbursement request with required documentation	September 2020	

School Bus Replacement Application Cover



Project Narrative - Continued

Application Check List

- School Bus Application Cover
- Bus Data Form for each bus
- EPA DEQ emission results report used in the Bus Data Form for each bus
- Project Evaluation Form for each bus
- Map of bus route including fleet yard location for each bus
- Bus odometer photo

Application Acknowledgement

The undersigned certifies that they are the authorized agent of the above stated entity, and that all information and documentation submitted to the Alaska Energy Authority for an award of the VW Settlement Funds are truthful and correct, and that the applicant is in compliance with, and will continue to comply with, all applicable state and federal law, and that they can legally commit the entity to these obligations.

Signature of Authorized Representative

11/15/2019

Date

Brian Beechem

Authorized Representative Name

Asst. Secretary/Corp Officer

Title

1) Project Narrative:

If granted an **Alaska Volkswagen Diesel Settlement Grant** award, First Student plans on replacing six eligible International PB105 diesel buses (One 2005, one 2007, and four 2008) with a Thomas Built Saf-T-Liner C2 diesel replacement vehicle. The buses will be owned by First Student, Inc. and located at one of three First Student bus depot locations based on the service area they operate in; (Juneau) 12364 Mendenhall Loop Rd, Juneau, AK 99801, (Kodiak) 2014 Mill Bay Rd, Kodiak, AK 99615, and (Mat-Su) 6183 E Mountain Heather Rd, Wasilla, AK 99654. The buses will be divided in service to schools in the Juneau School District, the Kodiak Island Borough School District, and the Matanuska-Susitna Borough School District.

Applicant name: First Student, Inc.

Applicant type (i.e., government or non-government entity): First Student is a private contractor serving public school districts, and thus qualifies as a government owned vehicle for 100% of cost funding per the grant guidelines.

Type of project: Replacement

Fuel types: Diesel (existing) to diesel (proposed)

Number of proposed vehicles/engines: Six

Description of any expected community and air quality benefits: First Student prides itself on its connection to the local community, and commitment to student health and safety by reducing diesel emissions. Diesel-fueled buses emit diesel particulate matter (PM), toxic air contaminants that adversely affect human health, including proper lung development in children. Research published in the Journal of the Air & Waste Management Association has concluded that, “A high percentage of school buses in California and elsewhere are powered by diesel engines and commuting children may be exposed to high concentrations of exhaust particles and gases during their commutes, at school bus stops, or at loading/unloading zones.” Funding school bus replacements not only reduces diesel PM, but also reduces NOx, which is the focus of the VW Mitigation Trust.

Total project cost, applicant’s matching funds, and total funding request:

Total Project Cost:	\$ 561,340.02
First Student Matching Funds @ 0%	\$ 0
Total Funding Request @ 100%	\$ 561,340.02

2) Project Implementation Timeline (with key milestones):

Anticipated date for entering into contract for vehicle/equipment: January 2020

Anticipated date for ordering vehicle/engine/equipment: February - March 2020

Anticipated date for receiving vehicle/engine/equipment: August – September 2020 (dependent on manufacturer’s delivery schedule).

Anticipated date for placing vehicle/engine into service: No later than September 2020. For school year 2020.

Anticipated scrappage date for existing vehicle/engine: No later than September 2020.

Anticipated timeline for incurring and paying expenditures: June – September 2020

Anticipated date for requesting reimbursement of eligible project costs: September 2020

3) The method of scrappage for the existing vehicle/engine: Cutting the chassis and drilling a hole in the existing engine block, per the VW mitigation trust regulations.

4) The funding source for the applicant's cost share: Internal funds/working capital

Applicant: Matanuska-Susitna Borough School District / First Student Inc.

Bus ID:

211068

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>) *Note: disregard the health benefits output.

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	211068	NA
Bus Ownership (complete next page)	on next page	on next page
VIN #	1T88T4E1X81107046	NA
Engine Serial Number	46775309	NA
Bus Make	Thomas Built	Thomas Built
Bus Model	MVP-EF (Engine Front)	Saf-T Liner C2 340TS
Bus Model Year	2008	2020
Bus Class/Type (Class A-D)	D	C
Gross Vehicle Weight Restriction	16,001 - 19,500 lb	26,001 - 33,000 lbs
Fuel Type ¹ (complete next page)	Diesel	Diesel
Average Fuel Efficiency (MPG)	6.5	8.5
Annual Fuel (gals)	2,799	NA
Annual Miles Traveled	18,193	NA
Annual Idling Hours	460	NA
Total Mileage	189,132	NA
Annual Fuel Reduction (gals) ²	NA	659
Remaining Life (years) ³	6	NA
Attrition year (please explain) ⁴	2025	NA
Based on the requirements in the transportation contract.		
Equipment Cost limited to cost of bus & shipping ⁵	NA	92,366
Labor Cost	NA	

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.

2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

3. EPA's Quantifier uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.

4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.

5. EV charging infrastructure if applicable

6. Not to include administrative costs

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	First Student
Bus owner address	600 Vine St. Suite 1400
Bus owner city/state/zip code	Cincinnati, OH 45202
Contract expiration date	30-Jun-21
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	Yes

Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	91,506	91,506
Shipping	860	860
Other - (please explain)		
Electric Vehicle charging infrastructure		
Alternative fueling infrastructure		
Labor (includes onboarding, signage, scrapping of old bus) ⁶		
Total Project Cost	92,366	92,366

Vehicle Quote Request -Bus & Automotive

Request Date	<input type="text" value="November 13, 2019"/>	Request #	<input type="text" value="21112"/>
Request Received Date	<input type="text" value="November 13, 2019"/>	*Request # assigned by Vehicle Procurement	
Bus Purchase Priority	<input type="text" value="Replacement"/>	Request Type	<input type="text" value="Non-Location Specific"/>
Requestor Name	<input type="text" value="CHATFIELD"/>	Region	<input type="text"/>
Requestor Phone	<input type="text" value="(503) 869-3218"/>	AGM	<input type="text"/>
Contract Name	<input type="text" value="TBD"/>	SVP	<input type="text"/>

Model Type	<input type="text" value="Type C Conventional"/>	Province/State Specification	<input type="text" value="AK"/>
Intended Purpose	<input type="text" value="Yellow School Bus"/>		
Quantity Required	<input type="text" value="1"/>	# of Seated Passengers	<input type="text" value="48"/>
Fuel Specification	<input type="text" value="Type C Diesel"/>	Track Seating	<input type="text" value="In W/C positions"/>
Brake Specification	<input type="text" value="Hydraulic"/>	Integrated Child Seats (ICS)	<input type="text" value="First two rows"/>
		# of ICS seats	<input type="text" value="8"/>
		**Choose WC configuration	Or <input type="text"/>
		# of Wheelchairs	<input type="text" value="4"/>
		Seat W/C Positions?	<input type="text" value="Yes"/>
		Lift Position	<input type="text" value="Rear"/>

First Student Standard and Climate Package Options for the Model/State you selected are listed for your reference. These options will automatically be included in the supplier pricing to be subsequently provided.

First Student Standard Options for Specified Model	Hydraulic	Climate Package Options for Specified State	Package 2
Child CheckMate/TheftMate	LED Stop/Tail/ License/Marker Lights	Block Heater	
Zonar (Factory Installed)	LED Side Directional Lights	High Output Water Pump	
Two-way Radio/Antenna Pre-Wire	LED Warning Lights	Pressure Treated/Marine Plywood Floors	
Camera Pre-Wire (4 Locations)	LED Interior Lights	Stepwell Heater	
Extra Auxiliary Fan	Body Disconnect	2 84K BTU Heaters (if not required by state)	
Driver's Dome Light	3-Switch with Entrance Door Override	Insulated Roof and Wall Bows	
Remote Heated Mirrors	Backing Alarm	2 8D 12V Gel Batteries	
Extended Left Mirror Bracket (for greater visibility)		270 AMP Alternator	
Front & Rear Mud Flaps	Crossing Arm & Magnet	Winter Cold Front	
Front License Plate Mounting Bracket	Orange Driver's Seat Belt	On/Off Fan	
High-Back Student Seating	Maximum Allowable Window Tint	Spray Stepwell Coating	
Three-Piece Rubber Flooring		Snow Tires	
Yellow Nosed Step Treads (If Available)		Oil Pan Heater	
Yellow Textured Hand Rails		Performance Friction Brake Rotors (Hydraulic only)	
Mechanical Suspension Driver's Seat		Stainless Steel Coolant Transition	
Electric Entrance Door			
Entrance Door Interlock			
Synthetic Rear Axle Lube			
Synthetic Front Seals & Bearings			
Dual Tire Valve Stems			
Performance Friction Brake Rotors			
Brake Dust Shields			
Upgraded Undercoating (Edge-Guard/Underguard)			
Stainless Steel Exhaust & Brake Lines			
ABS-Full Vehicle Wheel Control (4-Channel)			

Other specifications - Please ONLY list specifications required but not identified above.

Acoustical Ceiling	<input type="text" value="No"/>	Drop Chains	<input type="text" value="Yes"/>	Tow Hooks	<input type="text" value="Yes"/>
Total Number of Hatches	<input type="text" value="Two"/>	Mid-ship Heater	<input type="text" value="Yes"/>	Under-storage (Type C & D Only)	<input type="text" value="No"/>
Air Conditioning	<input type="text" value="No"/>	Plywood Floors	<input type="text" value="Yes"/>	White Roof	<input type="text" value="Yes"/>
AM/FM Radio w/ PA	<input type="text" value="Yes"/>	Camera Options	<input type="text" value="3-Camera System (Type C & D)"/>	Fuel Fired Heater	<input type="text" value="Yes"/>
Coaxial Cable	<input type="text" value="Yes"/>	Seat Belts	<input type="text" value="No"/>		
		Strobe Light	<input type="text" value="Yes"/>		

Additional information- Please explain any options required not previously identified above as well as specifics relating to seat belts, etc.

Build to ALASKA State SpecsBATT DISCONNECT SWITCH***Curb Side Chain Equipment Box***Quote Seon 3 Camera System***Unit should be an overall 33' - 34' long / build on a 281TS Chassis***

Below to be completed by supplier:						
Quote Number: <input type="text" value="352316"/>			Vehicle Price Breakdown:			
Quote Request Date: <input type="text" value="November 13, 2019"/>			Chassis Type: <input type="text"/>		Quote Received Date: <input type="text" value="November 19, 2019"/>	
Supplier: <input type="text"/>						
Quantity Quoted	Actual Capacity		Bus Passenger Size	Quoted Currency	Approx. Chassis Cost	
	Ambulatory	Wheelchair	(Size required, i.e. 54 pax size)	(USD \$ or CAD \$)	(Type A only)	
1	48	4		USD		
Base/Federal Cost	State/Province Upgrade Cost	Additional Options Cost	Lift Option Cost	Freight Cost	Total Cost Per Unit	Extended Cost
\$ 95,938.00				\$ 0.01	\$ 95,938.01	\$ 95,938.01

***** WEIGHT O.K. *****

```

SEATINGPLAN: 765767
ORDER NO:    352316
YARD NO:
BODY MODEL: 281TS
CHASSIS MAKE: FLNER
WHEELBASE:  238.2
DATE:       02-04-19
TIME:       12:35:15
    
```

Weight Summary	Front	%Front	Rear	%Rear	Total
Total Weight	8093.65	32%	17559.80	68%	25653.45
Allowables	10000.00		20280.00		29800.00
Unladen	7039.17	37%	11984.27	63%	19023.45
Base Body	959.36		4141.64		5101.00
Body Options	438.91		2609.76		3048.67
Base Chassis	4482.34		2726.44		7208.78
Chassis Options	1158.56		2506.44		3665.00
Passenger	1054.48		5575.52		6630.00
State Special	0.00		0.00		0.00

NOTES:

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*****
* THE WEIGHT AND AXLE RATINGS IN THIS REPORT APPLY ONLY TO *
* ORDER NO. 352316 AND REFERENCE SEATING PLAN 765767 *
* ANY OPTIONS EXCEEDING 20 LBS. OR SEATING PLAN CHANGES NOT ON *
* THIS REPORT OR MADE AFTER THE SUBMISSION DATE AND TIME WILL *
* NULLIFY RESPONSIBILITY OF THOMAS BUILT BUSES ENGINEERING *
* DEPARTMENT OF THE SAFE OPERATION OF THE VEHICLE *
*****
    
```

* THIS SHEET MUST ACCOMPANY ORIGINAL ORDER.
SIGNATURE OF ENGINEERING APPROVAL:

Cherry, Kevin

***** BODY OPTIONS *****		Front	Rear	Total
Option	Description			
B640139200	39" BARR-VERT,WALL MT 45"H RS RIGHT SIDE	21.77	9.23	31.00
B640239000	39"8DEG BARR-REV. WALL-MT 45"H LEFT SIDE	22.38	8.62	31.00
D105400001	FAN-CIRC MID W/S HDR BLACK	2.70	0.30	3.00
D105600000	FAN-CIRC DRV'S WDO HDR BLACK	2.50	0.50	3.00
D106600003	HORN-SPEAKER LS COWL LEG	2.10	-0.10	2.00
D106902000	RADIO-AM/FM DEA510 W/PAGE	4.71	-0.71	4.00
D107300002	HATCH-RF ESC MODEL 1100 ENG(2)	0.00	0.00	0.00 **
D107700003	ELEC-ROOF ESCAPE HATCH POS 3	0.00	0.00	0.00 **
D108800002	FLAPS-MUD, REAR 22.5"W	0.00	12.00	12.00
D108900001	FLAPS-MUD, FRONT 16"W X 12"H	10.74	1.26	12.00
D109600000	HTR-FUEL BURNING 45K BTU 7 DAY	25.29	74.71	100.00
D110024ALK	KIT,FIRST AID 24 UNIT ALASKA.	4.00	0.00	4.00
D110100000	KIT,BODYFLUID CLEANUP NAT.MIN.	2.85	0.15	3.00
D116100002	LOC-VEST.FLR.PLT.LEFT 5LB FE	4.45	0.55	5.00
D116400009	LIFT-WCH BRAUN NL919IB-2(U.S.)	-139.59	529.59	390.00
D116700000	TRACK-OVERHEAD 10" LENGTH RS	-0.22	1.22	1.00
D120300010	RIVETED ALUM TRACK-CONT (4) PER LOC	-39.62	226.29	186.67
D120300010	RIVETED ALUM TRACK-CONT (4) PER LOC	-6.22	76.22	70.00
D122400000	TRIANGLES-REFL. 3 W/BOX	7.12	3.88	11.00
D123000002	DOOR-STORAGE BOX W/O GLASS	24.21	5.79	30.00
D123800000	ANTENNA - RADIO SWIVEL BASE	1.73	0.27	2.00
D124200003	MOTOR-XING ARM ELEC, SPECIALTY	21.86	-6.86	15.00
D200700001	WHEELHOUSES-REAR L&R OMIT	0.00	28.00	28.00

* * * WEIGHT DISTRIBUTION REPORT * * *

D300601002	DOOR-ACC SOLID PANEL	19.16	0.84	20.00
D304400002	DOOR-SI LIFT RS RR 50" OPG	-14.32	54.32	40.00
D400702281	LPS-DOME PASS 6 MIN LED 281T	1.01	3.99	5.00
D406000002	LPS-SI DIR AMB FRT 2 CP LED	2.00	0.00	2.00
D406211008	LPS-WARNING LED (8)	4.96	5.04	10.00
D408300003	STROBE-CLR 4.9"H 4' FROM REAR	-0.07	5.07	5.00
D425100000	Camera-Interior (3) w/DVR	10.00	0.00	10.00
D500605015	SIGN-STOP, ELEC FRT #SE1-7980C	27.06	0.94	28.00
D505709021	FENDRTTE-STL FL FLR 21" BOXES	0.00	6.00	6.00
D507100004	LS HEATER COMP.-30" W 45K HTR	14.24	60.76	75.00
D508200003	RS STORAGE BOX 1 - 30" WIDE	16.90	73.10	90.00
D510900000	VENT-STATIC PRESENT	1.13	0.87	2.00
D601701281	FLR-PLYWD MARINE GRADE 281T	22.44	307.56	330.00
D602001281	SPEAKERS-INT. 30 WAT.(6) 281T	7.00	0.00	7.00
D603603084	HTR-U/S LS 84,000 BTU LOC 3	9.58	13.42	23.00
D604801000	HTR-ENT DOOR STEPWELL (DUCTED)	34.53	18.47	53.00
D610339004	RAIL-ASSIST FRT ENT DR 39"YEL	5.68	2.32	8.00
D611000004	RAIL-ASSIST FRT ENT DR RS YEL	4.31	0.69	5.00
D614617084	HTR-RS 84,000 BTU RR FLR.	-13.26	38.26	25.00
D614701281	ELEC-HTR U/ SEAT POS.17	-6.91	21.91	15.00
D620600000	HOLDER-STORAGE, CLIP BOARD	6.00	1.00	7.00
D700201001	GLASS-LS FRT STAT CLR TEM STOR	16.61	2.39	19.00
D700830R00	GLASS-WDO STORM TEMP 30" R	6.50	3.50	10.00
D701600010	WDO-DRIVER'S STORM TEMP	11.56	11.44	23.00
D900102000	BACK,SEATS INC HIBACK DRVR'S	37.73	12.27	50.00
D900502002	PEDESTAL-SEATS INC HIBACK MECH	22.55	6.45	29.00
D930039000	S3B 39"RS WL MT REST/NO BELT RIGHT SIDE	19.89	37.11	57.00
D930039000	S3B 39"RS WL MT REST/NO BELT RIGHT SIDE	12.64	44.36	57.00
D930039000	S3B 39"RS WL MT REST/NO BELT RIGHT SIDE	5.39	51.61	57.00
D930139000	S3B 39"LS WL MT REST/NO BELT LEFT SIDE	23.20	33.80	57.00
D930139000	S3B 39"LS WL MT REST/NO BELT LEFT SIDE	16.76	40.24	57.00
D930139000	S3B 39"LS WL MT REST/NO BELT LEFT SIDE	10.32	46.68	57.00
D930439000	S3B 39"RS TRK MT REST/NO BELT RIGHT SIDE	-1.85	60.85	59.00
D930439000	S3B 39"RS TRK MT REST/NO BELT RIGHT SIDE	-9.28	68.28	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	4.25	54.75	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	-2.19	61.19	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	-8.63	67.63	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	-15.07	74.07	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	-21.51	80.51	59.00
D930539000	S3B 39"LS TRK MT REST/NO BELT LEFT SIDE	-27.95	86.95	59.00
D980139002	S3C 39"LS 3-PASS WALL W/ICS LEFT SIDE	59.68	34.32	94.00
D980139002	S3C 39"LS 3-PASS WALL W/ICS LEFT SIDE	48.87	45.13	94.00
D980239002	S3C 39"RS 3-PASS WALL W/ICS RIGHT SIDE	56.72	37.28	94.00
D980239002	S3C 39"RS 3-PASS WALL W/ICS RIGHT SIDE	44.77	49.23	94.00
STDRH1100E	ROOF HATCH MODEL 1100 ENG (D107300000)	-0.39	9.39	9.00
STDRH1100E	ROOF HATCH MODEL 1100 ENG (D107300000)	4.15	4.85	9.00

Body Option Total		438.91	2609.76	3048.67

***** CHASSIS OPTIONS *****				
Option	Description	Front	Rear	Total
FL-018-003	BOSCH HYD BRAKE PKG W/OPT AIR	6.66	24.34	31.00
FL-093-1MW	BST R250ED 255/70R22.5 16PLY	192.00	0.00	192.00
FL-094-0CV	RR BST M726 255/70R22.5 16 PLY	0.00	316.00	316.00
FL-101-21N	CUM B6.7-200 HP @ 2400 RPM	356.14	12.86	369.00
FL-124-1CC	LN 12V 270 AMP 4949PA PADMT AL	20.00	0.00	20.00
FL-138-010	PHILLIPS 750W/115V BLOCK HEATR	2.00	0.00	2.00
FL-140-039	ENG HEAT RECPT MTD BMP LH SIDE	3.52	-0.52	3.00
FL-141-806	KIT CUST FURN 45K WATT HTR	16.81	3.19	20.00
FL-155-057	DELCO 12V 29MT STARTER WITH M	10.00	0.00	10.00
FL-174-001	CAST BOOSTER PUMP	1.80	0.20	2.00
FL-175-002	30,6K BTU STPWL HEAT,RH FT ENT	20.00	0.00	20.00
FL-230-001	60 GAL/227 LIT STEL TANK, BTR	-180.67	889.67	709.00
FL-23U-004	11.5 GALLON DEF TANK	185.30	26.70	212.00
FL-266-1AH	750 SQUARE INCH DOWN FLOW RADI	20.00	0.00	20.00
FL-275-034	PAGE W/CHASS MTD EXTERNAL SPKR	4.00	0.00	4.00
FL-292-1E3	(2) ALLI GRP 8D 8G8D 12V BATTE	246.77	67.23	314.00
FL-31X-019	FT BUMPER MT CROSSING ARM-ELEC	3.52	-0.52	3.00
FL-342-1T6	ALLISON 2350 PTS TRANSMISSION	41.46	-2.46	39.00
FL-393-001	DRIVELINE GUARD	15.00	15.00	30.00
FL-400-1A5	DA-F-10-3 10K 71.5 KPI/3.74 AX	40.00	0.00	40.00
FL-418-030	CONMET IRON FRONT HUBS	0.00	0.00	0.00 **
FL-420-1GK	DA-RS-23-4 23,000# R-SRS AXLE	0.00	744.00	744.00
FL-427-001	FRONT BRAKE DUST SHIELDS	0.00	0.00	0.00 **
FL-480-009	BENDIX AD-9 AIR DRYER W/HEATER	40.00	0.00	40.00
FL-502-523	MAX 90262 22.5X8.25 10HPLT 5HD	-8.00	-0.00	-8.00

FL-505-523	MAX 90262 22.5X8.25 10HPLT 5HD	0.00	16.00	16.00
FL-536-050	TRW THP-60 POWER STEERING	10.00	0.00	10.00
FL-545-605	6050MM (238") WHEELBASE	0.00	0.00	0.00 **
FL-552-016	3425MM (135") RR FRAME OVRHANG	0.00	0.00	0.00 **
FL-556-1C1	ONE-PIECE 14" PTD STEEL BUMPER	46.88	-6.88	40.00
FL-558-001	FRT FRAME MOUNTED TOW HOOKS	17.52	-2.52	15.00
FL-576-034	INSTA CHAIN AUTO TIRE CHAINS	0.00	175.00	175.00
FL-620-062	10000 LB. TAPERLEAF FRT SUSPEN	40.00	0.00	40.00
FL-622-216	AIRLINER 23K REAR SUSPENSION	0.00	230.00	230.00
FL-650-021	CAB MOUNTING HOOD/COWL CHASSIS	0.00	0.00	0.00 **
FL-716-014	WINDSHIELD FAN, (1) HEADER MTD	2.85	0.15	3.00
FL-746-803	C/F J1939 RADIO W/PA	5.01	-1.01	4.00

Chassis Option Total		1158.56	2506.44	3665.00

***** PASSENGER WEIGHTS *****							
# Option	Description	Side	Front	Rear	Total		

1	D900102000	BACK, SEATS INC HIBACK DRVR'S	SIDE	113.19	36.81	150.00	
3	D980139002	S3C 39"LS 3-PASS WALL W/ICS LEFT	LEFT SIDE	233.11	126.89	360.00	
3	D980139002	S3C 39"LS 3-PASS WALL W/ICS LEFT	LEFT SIDE	191.70	168.30	360.00	
3	D930139000	S3B 39"LS WL MT REST/NO BELT LEF	LEFT SIDE	151.04	208.96	360.00	
3	D930139000	S3B 39"LS WL MT REST/NO BELT LEF	LEFT SIDE	110.39	249.61	360.00	
3	D930139000	S3B 39"LS WL MT REST/NO BELT LEF	LEFT SIDE	69.73	290.27	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	30.44	329.56	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	-8.86	368.86	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	-48.15	408.15	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	-87.45	447.45	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	-126.74	486.74	360.00	
3	D930539000	S3B 39"LS TRK MT REST/NO BELT LE	LEFT SIDE	-166.04	526.04	360.00	
3	D980239002	S3C 39"RS 3-PASS WALL W/ICS RIGH	RIGHT SIDE	221.77	138.23	360.00	
3	D980239002	S3C 39"RS 3-PASS WALL W/ICS RIGH	RIGHT SIDE	175.98	184.02	360.00	
3	D930039000	S3B 39"RS WL MT REST/NO BELT RIG	RIGHT SIDE	130.19	229.81	360.00	
3	D930039000	S3B 39"RS WL MT REST/NO BELT RIG	RIGHT SIDE	84.39	275.61	360.00	
3	D930039000	S3B 39"RS WL MT REST/NO BELT RIG	RIGHT SIDE	38.60	321.40	360.00	
3	D930439000	S3B 39"RS TRK MT REST/NO BELT RI	RIGHT SIDE	-6.74	366.74	360.00	
3	D930439000	S3B 39"RS TRK MT REST/NO BELT RI	RIGHT SIDE	-52.08	412.08	360.00	

Passenger Totals				1054.48	5575.52	6630.00	

Vehicle Quote Request

Request Date	<input type="text" value="November 13, 2019"/>	Request #	<input type="text" value="20803"/>
Request Received Date	<input type="text" value="November 13, 2019"/>	<i>*Request # assigned by Vehicle Procurement</i>	
Bus Purchase Priority	<input type="text" value="Replacement"/>	Request Type	<input type="text" value="Location Specific"/>
Requestor Name	<input type="text" value="Sandra Carney"/>	Loc ID	<input type="text" value="20054"/>
Requestor Phone	<input type="text" value="(585) 344-1819"/>	Region	<input type="text" value="400"/>
Location Name	<input type="text" value="Botsford"/>	AGM	<input type="text" value="Sean McCabe"/>
Contract Name	<input type="text" value="Buffalo City School District"/>	SVP	<input type="text" value="D. Armitt"/>

Expected Inservice Date	<input type="text" value="August 31, 2020"/>	School Start Date	<input type="text" value="September 03, 2020"/>
Location Manager	<input type="text" value="Jacklyn Smith"/>	Phone	<input type="text" value="(716) 650-5274"/>
Delivery Street Address 1	<input type="text" value="119 Botsford Place"/>		
City	<input type="text" value="Buffalo"/>	Province/State	<input type="text" value="NY"/>
Country	<input type="text" value="USA"/>	Postal Code	<input type="text" value="14206-0000"/>

Model Type	<input type="text" value="Type C Conventional"/>	Province/State Specification	<input type="text" value="NY"/>
Intended Purpose	<input type="text" value="Yellow School Bus"/>		
Quantity Required	<input type="text" value="1"/>	# of Seated Passengers	<input type="text" value="64"/>
Fuel Specification	<input type="text" value="Type C Diesel"/>	Track Seating	<input type="text" value="None"/>
Brake Specification	<input type="text" value="Air"/>	Integrated Child Seats (ICS)	<input type="text" value="First two rows"/>
		# of ICS seats	<input type="text" value="4"/>

**Choose WC configuration

# of Wheelchairs	<input type="text" value="-"/>
Seat W/C Positions?	<input type="text" value="No"/>
Lift Position	<input type="text" value="None"/>

First Student Standard and Climate Package Options for the Model/State you selected are listed for your reference. These options will automatically be included in the supplier pricing to be subsequently provided.

First Student Standard Options for Specified Model	Type C Conventional Air	Climate Package Options for Specified State	Package 4
Child CheckMate/TheftMate	LED Stop/Tail/ License/Marker Lights	Block Heater	
Zonar (Factory Installed)	LED Side Directional Lights	High Output Water Pump	
Two-way Radio/Antenna Pre-Wire	LED Warning Lights	Plywood Floors	
Camera Pre-Wire (4 Locations)	LED Interior Lights	Stepwell Heater	
Extra Auxiliary Fan	Body Disconnect	1 50K BTU & 1 84K BTU Heaters	
Driver's Dome Light	3-Switch with Entrance Door Override	Insulated Roof and Wall Bows	
Remote Heated Mirrors	Backing Alarm	3-760 Batteries	
Extended Left Mirror Bracket (for greater visibility)		270 AMP Alternator	
Front & Rear Mud Flaps	Crossing Arm & Magnet	Winter Cold Front	
High-Back Student Seating	Orange Driver's Seat Belt	On/Off Viscous Fan	
Three-Piece Rubber Flooring	Air Suspension Driver's Seat	Stainless Steel Brake Lines	
Yellow Nosed Step Treads (If Available)	Air Entrance Door	Stainless Steel Stepwell	
Yellow Textured Hand Rails	Entrance Door Interlock	Snow Tires	
Air Drain	Front & Rear Automatic Slack Adjusters	Performance Friction Brake Rotors (Hydraulic only)	
Air Dryer	Synthetic Rear Axle Lube		
Rear Air Cam, Long Stroke Brake Chamber	Spring Actuated Parking Brake		
Air Compressor	Maximum Allowable Window Tint		
Synthetic Front Seals & Bearings			
Dual Tire Valve Stems			
Performance Friction Brake Rotors			
Brake Dust Shields			
Upgraded Undercoating (Edge-Coat/Underguard)			
Stainless Steel Exhaust & Brake Lines			
ABS-Full Vehicle Wheel Control (4-Channel)			

Other specifications - Please ONLY list specifications required but not identified above.

Acoustical Ceiling	<input type="text" value="No"/>	Drop Chains	<input type="text" value="No"/>	Tinted Windows	<input type="text"/>
Total Number of Hatches	<input type="text" value="Two"/>	Mid-ship Heater	<input type="text" value="Yes"/>	Tow Hooks	<input type="text" value="Yes"/>
Air Conditioning	<input type="text" value="No"/>	Plywood Floors	<input type="text"/>	Under-storage (Type C & D Only)	<input type="text" value="No"/>
Air Suspension (Type C & D Only)	<input type="text" value="Yes"/>	Camera Pre-wire Hookup	<input type="text"/>	White Roof	<input type="text" value="No"/>
AM/FM Radio w/ PA	<input type="text" value="No"/>	Seat Belts	<input type="text" value="3-Point Belts"/>	Fuel Fired Heater	<input type="text" value="No"/>
Coaxial Cable	<input type="text" value="Yes"/>	Strobe Light	<input type="text" value="No"/>		

Additional information- Please explain any options required not previously identified above as well as specifics relating to seat belts, etc.

Fleet Shield Undercoating, Wet Oil front hubs; Fuel sending unit access hole; heated remote mirrors; fuel tank on passenger side. Must be able to change destination sign back and forth from "School Bus" & "Charter".

Below to be completed by supplier:

Quote Number:		<input type="text"/>		Chassis Type:		<input type="text"/>	
Quote Request Date:		<input type="text" value="November 13, 2019"/>		Quote Received Date:		<input type="text" value="November 19, 2019"/>	
Supplier:		<input type="text" value="Thomas"/>					
Quantity Quoted	Actual Capacity		Bus Passenger Size		Quoted Currency	Approx. Chassis Cost	
	Ambulatory	Wheelchair	(Size required, i.e. 54 pax size)		(USD \$ or CAD \$)	(Type A only)	
1	64				USD		
Base/Federal Cost	State/Province Upgrade Cost	Additional Options Cost	Lift Option Cost	Freight Cost	Total Cost Per Unit	Extended Cost	
\$ 91,506.00				\$ 860.00	\$ 92,366.00	\$ 92,366.00	

***** WEIGHT O.K. *****

SEATINGPLAN: 756321
 ORDER NO: 349807
 YARD NO:
 BODY MODEL: 340TS
 CHASSIS MAKE: FLNER
 WHEELBASE: 278.5
 DATE: 11-19-18
 TIME: 08:57:25

Weight Summary	Front	%Front	Rear	%Rear	Total
Total Weight	7968.55	29%	19632.43	71%	27600.98
Allowables	10000.00		23000.00		33000.00
Unladen	7206.96	36%	12564.02	64%	19770.98
Base Body	1117.23		4531.97		5649.20
Body Options	551.36		2455.64		3007.00
Base Chassis	4421.97		3036.81		7458.78
Chassis Options	1116.40		2539.60		3656.00
Passenger	761.58		7068.42		7830.00
State Special	0.00		0.00		0.00

NOTES:

 * THE WEIGHT AND AXLE RATINGS IN THIS REPORT APPLY ONLY TO *
 * ORDER NO. 349807 AND REFERENCE SEATING PLAN 756321 *
 * ANY OPTIONS EXCEEDING 20 LBS. OR SEATING PLAN CHANGES NOT ON *
 * THIS REPORT OR MADE AFTER THE SUBMISSION DATE AND TIME WILL *
 * NULLIFY RESPONSIBILITY OF THOMAS BUILT BUSES ENGINEERING *
 * DEPARTMENT OF THE SAFE OPERATION OF THE VEHICLE *

* THIS SHEET MUST ACCOMPANY ORIGINAL ORDER.
 SIGNATURE OF ENGINEERING APPROVAL:

Diann Overcash

***** BODY OPTIONS *****		Front	Rear	Total
Option	Description			
B640139200	39" BARR-VERT,WALL MT 45"H RS RIGHT SIDE	23.10	7.90	31.00
B640239000	39"8DEG BARR-REV. WALL-MT 45"H LEFT SIDE	23.41	7.59	31.00
D104100000	SWITCH-RKR DEST.SIGN	6.00	0.00	6.00
D105400001	FAN-CIRC MID W/S HDR BLACK	2.74	0.26	3.00
D105600000	FAN-CIRC DRV'S WDO HDR BLACK	2.57	0.43	3.00
D107300002	HATCH-RF ESC MODEL 1100 ENG(2)	0.00	0.00	0.00
D107700003	ELEC-ROOF ESCAPE HATCH POS 3	0.00	0.00	0.00
D108800003	FLAPS-MUD, REAR 22.5"W/O LOGO	0.00	7.00	7.00
D108900001	FLAPS-MUD, FRONT 16"W X 12"H	10.92	1.08	12.00
D115200001	SIGN-IDENT FRONT MASONITE	8.00	0.00	8.00
D115300001	SIGN-IDENT REAR MASONITE	0.00	8.00	8.00
D120410NYK	KIT.FIRST AID 10 UNIT N.Y.	3.50	0.50	4.00
D122400000	TRIANGLES-REFL. 3 W/BOX	7.68	3.32	11.00
D123000002	DOOR-STORAGE BOX W/O GLASS	25.04	4.96	30.00
D300601002	DOOR-ACC SOLID PANEL	19.28	0.72	20.00
D304100000	DOOR-SI EMERG LS CTR 30" OPG	26.94	73.06	100.00
D406000002	LPS-SI DIR AMB FRT 2 CP LED	2.00	0.00	2.00
D406211008	LPS-WARNING LED (8)	2.19	7.81	10.00
D500601009	SIGN-STOP, AIR FRT #2970	13.60	0.40	14.00
D500700009	SIGN-STOP, AIR RR #2971C	-5.71	20.71	15.00
D505700021	FENDERETTE-STL 21" SKIRT	0.00	6.00	6.00
D510900000	VENT-STATIC PRESENT	1.26	0.74	2.00
D511300000	PANEL-EXT/INT 10IN WIDE	5.00	0.00	5.00

* * * WEIGHT DISTRIBUTION REPORT * * *

D601701340	FLR-PLYWD MARINE GRADE 340T	45.75	346.25	392.00
D603603050	HTR-U/S LS 50,000 BTU LOC 3	9.88	12.12	22.00
D604310084	HTR-U/S LS 84,000 BTU LOC 10	-6.07	29.07	23.00
D604800000	HEATER-ENTRANCE DOOR STEPWELL	15.46	5.54	21.00
D610339004	RAIL-ASSIST FRT ENT DR 39"YEL	6.02	1.98	8.00
D611000004	RAIL-ASSIST FRT ENT DR RS YEL	4.41	0.59	5.00
D900102000	BACK,SEATS INC HIBACK DRVR'S	39.50	10.50	50.00
D900502005	PEDESTAL-SEATS INC HIBACK AIR	23.48	5.52	29.00
D922130000	IMMI FLEXPLUS 30"LS WL SH/LAP LEFT SIDE	-34.65	109.65	75.00
D922136002	IMMI FLEXPLUS 36"LS ICS&SH/LAP LEFT SIDE	65.78	32.22	98.00
D922136002	IMMI FLEXPLUS 36"LS ICS&SH/LAP LEFT SIDE	54.59	43.41	98.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	39.86	50.14	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	10.58	79.42	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	1.89	88.11	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	-6.81	96.81	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	-15.50	105.50	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	-24.19	114.19	90.00
D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LEFT SIDE	-32.88	122.88	90.00
D922236002	IMMI FLEXPLUS 36"RS ICS&SH/LAP RIGHT SIDE	64.76	33.24	98.00
D922236002	IMMI FLEXPLUS 36"RS ICS&SH/LAP RIGHT SIDE	53.57	44.43	98.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	39.47	50.53	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	29.68	60.32	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	19.89	70.11	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	10.10	79.90	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	0.30	89.70	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	-9.49	99.49	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	-19.28	109.28	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	-29.07	119.07	90.00
D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RIGHT SIDE	-38.86	128.86	90.00
D972339104	IMMI XCHANGE 39"LS FLIP SH/LAP LEFT SIDE	18.73	83.27	102.00
D973139100	FLEX XCHNGE 39"LS 3P FLR S/LAP LEFT SIDE	33.38	68.62	102.00
STDRH1100E	ROOF HATCH MODEL 1100 ENG (D107300000)	-1.29	10.29	9.00
STDRH1100E	ROOF HATCH MODEL 1100 ENG (D107300000)	4.85	4.15	9.00

Body Option Total		551.36	2455.64	3007.00

***** CHASSIS OPTIONS *****				
Option	Description	Front	Rear	Total

FL-018-002	AIR BRAKE PACKAGE	120.02	129.98	250.00
FL-093-2G9	FT BST ECO R268 11R22.5 14 PLY	244.00	0.00	244.00
FL-094-2D6	RR BST M770 11R22.5 14 PLY	0.00	524.00	524.00
FL-101-21N	CUM B6.7-200 HP @ 2400 RPM	358.00	11.00	369.00
FL-124-1B6	LN 12V 270 AMP 4944A ALTERNATR	20.00	0.00	20.00
FL-138-010	PHILLIPS 750W/115V BLOCK HEATR	2.00	0.00	2.00
FL-140-039	ENG HEAT RECPT MTD BMP LH SIDE	3.44	-0.44	3.00
FL-155-057	DELCO 12V 29MT STARTER WITH M	10.00	0.00	10.00
FL-174-001	CAST BOOSTER PUMP	1.83	0.17	2.00
FL-175-002	30,6K BTU STPWL HEAT,RH FT ENT	20.00	0.00	20.00
FL-230-001	60 GAL/227 LIT STEL TANK, BTR	-154.53	863.53	709.00
FL-231-006	FUEL TANK MTD BTR AFT RR AXLE	0.00	0.00	0.00 **
FL-23U-004	11.5 GALLON DEF TANK	189.16	22.84	212.00
FL-266-1AH	750 SQUARE INCH DOWN FLOW RADI	20.00	0.00	20.00
FL-292-058	(3)ALLIA 1031 GP31 12V 2280CCA	41.02	8.98	50.00
FL-31X-021	FT BUMPER MT CROSSING ARM-AIR	3.44	-0.44	3.00
FL-342-1MJ	ALLISON 2500 PTS AUTO TRANS	41.10	-2.10	39.00
FL-393-002	TRANS & RR AXLE DRIVELINE GRD	9.00	0.00	9.00
FL-400-1A5	DA-F-10-3 10K 71.5 KPI/3.74 AX	40.00	0.00	40.00
FL-418-030	CONMET IRON FRONT HUBS	0.00	0.00	0.00 **
FL-419-023	CONMET CAST IRON FRT BRK DRUMS	0.00	0.00	0.00 **
FL-420-1GK	DA-RS-23-4 23,000# R-SRS AXLE	0.00	744.00	744.00
FL-427-001	FRONT BRAKE DUST SHIELDS	0.00	0.00	0.00 **
FL-450-030	CONMET IRON REAR HUBS	0.00	0.00	0.00 **
FL-480-009	BENDIX AD-9 AIR DRYER W/HEATER	40.00	0.00	40.00
FL-502-523	MAX 90262 22.5X8.25 10HPLT 5HD	-8.00	-0.00	-8.00
FL-505-523	MAX 90262 22.5X8.25 10HPLT 5HD	0.00	16.00	16.00
FL-536-050	TRW THP-60 POWER STEERING	10.00	0.00	10.00
FL-545-707	7075MM (279") WHEELBASE	0.00	0.00	0.00 **
FL-552-141	3675MM (145")RR FRAME OVERHANG	0.00	0.00	0.00 **
FL-556-1C1	ONE-PIECE 14" PTD STEEL BUMPER	45.89	-5.89	40.00
FL-558-001	FRT FRAME MOUNTED TOW HOOKS	17.15	-2.15	15.00
FL-620-062	10000 LB. TAPERLEAF FRT SUSPEN	40.00	0.00	40.00
FL-622-216	AIRLINER 23K REAR SUSPENSION	0.00	230.00	230.00
FL-650-021	CAB MOUNTING HOOD/COWL CHASSIS	0.00	0.00	0.00 **
FL-716-014	WINDSHIELD FAN,(1) HEADER MTD	2.87	0.13	3.00

Chassis Option Total		1116.40	2539.60	3656.00

***** PASSENGER WEIGHTS *****						
#	Option	Description	Side	Front	Rear	Total
1	D900102000	BACK, SEATS INC HIBACK DRVR'S	SIDE	118.51	31.49	150.00
2	D922136002	IMMI FLEXPLUS 36"LS ICS&SH/LAP L	LEFT SIDE	163.68	76.32	240.00
2	D922136002	IMMI FLEXPLUS 36"LS ICS&SH/LAP L	LEFT SIDE	136.28	103.72	240.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	163.31	196.69	360.00
3	D973139100	FLEX XCHNGE 39"LS 3P FLR S/LAP L	LEFT SIDE	121.69	238.31	360.00
3	D972339104	IMMI XCHANGE 39"LS FLIP SH/LAP L	LEFT SIDE	69.98	290.02	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	46.20	313.80	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	11.43	348.57	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	-23.35	383.35	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	-58.12	418.12	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	-92.89	452.89	360.00
3	D922139000	IMMI FLEXPLUS 39"LS WL SH/LAP LE	LEFT SIDE	-127.66	487.66	360.00
2	D922130000	IMMI FLEXPLUS 30"LS WL SH/LAP LE	LEFT SIDE	-108.29	348.29	240.00
2	D922236002	IMMI FLEXPLUS 36"RS ICS&SH/LAP R	RIGHT SIDE	161.18	78.82	240.00
2	D922236002	IMMI FLEXPLUS 36"RS ICS&SH/LAP R	RIGHT SIDE	133.78	106.22	240.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	161.76	198.24	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	122.59	237.41	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	83.43	276.57	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	44.26	315.74	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	5.09	354.91	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	-34.07	394.07	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	-73.24	433.24	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	-112.41	472.41	360.00
3	D922239000	IMMI FLEXPLUS 39"RS WL SH/LAP RI	RIGHT SIDE	-151.57	511.57	360.00

Passenger Totals				761.58	7068.42	7830.00

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
501 N. Gulkana
Palmer, AK 99645

ADDENDUM TO PUPIL TRANSPORTATION SERVICES CONTRACT
SERVICE AREA #1 – PALMER, WASILLA, SUTTON, BIG LAKE, HOUSTON, AND PORTIONS OF
WILLOW AREA

The contract between the MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT and First Student, Inc., dated July 1, 2016, is hereby-amended effective July 1, 2017, to provide for an increase in the daily rate from Confidential per vehicle per day. The increases represent a Confidential cost of living increase (CPI-U, Anchorage Area), in the amount of Confidential per vehicle per day.

The fuel peg price is increased from Confidential per gallon to Confidential. The increased represents a cost of living (CPI-U, Anchorage Area), in the amount of Confidential per gallon.

It is mutually agreed that this addendum hereby becomes a part of the contract specified above, and subject to all provisions contained herein.

AUTHORIZED SIGNATURES



Kim Worster, Sr. Vice President
First Student, Inc.

Dec 4/17
Date



Ashley Bjornson, Director of Finance
Matanuska-Susitna Borough School District

12/8/17
Date

**MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
PURCHASING DEPARTMENT
690 COPE INDUSTRIAL WAY
PALMER, AK 99645**

**BID #B16-01
PUPIL TRANSPORTATION SERVICES FOR THE
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT**

**AGREEMENT BETWEEN MATANUSKA-SUSITNA BOROUGH
SCHOOL DISTRICT AND THE CONTRACTOR**

THIS AGREEMENT is made this 20th day of May, 2016, by and between:

MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT (hereinafter "School District")
and **FIRST STUDENT, INC.**, (hereinafter the "Contractor").

The parties agree as follows:

SECTION 1. WORK: The Contractor will provide all services as described in the Proposal Documents and refer to the Standard Agreement for Services, as set forth herein, which includes the original proposal, Addenda 1, 2, and 3 (attached hereto and made a part herein), and all other documents referenced in Section 15 of this Agreement. The services are more specifically identified as: **Bid #B16-01 to provide Pupil Transportation Services for Service Area 1 for the Matanuska-Susitna Borough School District.**

SECTION 2. AGREEMENT COMMENCEMENT: This Agreement shall commence upon execution by both parties. The School District will not be liable for work performed by the Contractor prior to execution of the Agreement by both parties.

SECTION 3. MAINTENANCE AGREEMENT TIME:

3.1 The Agreement term shall begin after execution by both parties and shall be effective July 1, 2016 through June 30, 2021.

First Student's contract expires in 2021. However, it is expected to be fully renewed for another 5 year period.

3.2 **OPTION TO RENEW:** The Contract may be renewed upon mutual agreement of the School District and the Contractor for up to five (5) years.

SECTION 4. AGREEMENT PRICE:

4.1 The School District will pay the Contractor the amount specified on the Revised Bid Form submitted to the School District on January 12, 2016 and agreed to as set forth in Addendum #3. The Revised Bid Form is attached hereto and made a part herein.

SECTION 5. METHOD OF PAYMENT: Payments shall be made to the Contractor within thirty (30) days after the School District Transportation Department receives, verifies, and approves a written Request for Payment or Invoice from the Contractor. The Request for Payment or Invoice may be submitted to the Matanuska-Susitna Borough School District, Attn: Accounts Payable, 501 N. Gulkana Street, Palmer, AK 99645 or invoices can be emailed to accounting@matsuk12.us.

SECTION 6. RELATIONSHIP OF THE PARTIES: The Contractor shall perform its obligations hereunder as an independent Contractor of the School District. The School District may administer this Agreement and monitor the Contractor's compliance with this Agreement but shall not supervise or otherwise direct the Contractor except to provide recommendations and to provide approvals pursuant to this Agreement.

SECTION 27. AGREEMENT ADMINISTRATION:

27.1 Ashley Bjornson, Director of Finance, or her designee, will be the representative of the School District administering this Agreement.

27.2 The services to be furnished by the Contractor shall be administered, supervised, and directed by Cal Hull, First Student, Inc., or his designee (360-896-9500). In the event that the individual named above or any of the individuals identified in the bid to perform work under the contract are unable to serve for any reason, the Contractor shall appoint in writing a successor subject to approval by the School District.

SECTION 28. UNDERSTANDING: The Contractor acknowledges that the Contractor has read and understands the terms of this Agreement, has had the opportunity to review the same with counsel of the Contractor's choice, and is executing this Agreement of the Contractor's own free will.

SECTION 29. TITLE: The titles of sections in this Agreement are for identification purposes only and are not to be construed as definitions or limitations on the terms of the Agreement.

SECTION 30. AGREEMENT PERSON: Any questions regarding the work to be performed under this Agreement will be directed to Crystal Smith, Transportation Supervisor, or her designee.

**MATANUSKA-SUSITNA BOROUGH
SCHOOL DISTRICT**

FIRST STUDENT, INC.



Signature



Signature

Dr. Deena Paramo

Printed Name

Calvin E. Hull

Printed Name

Superintendent

Title

SA. VICE PRESIDENT

Title

6/1/16

Date

5/27/16

Date

**MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
PURCHASING DEPARTMENT
690 COPE INDUSTRIAL WAY
PALMER, AK 99645**

**ADDENDUM #3 TO RFP #B16-01
PUPIL TRANSPORTATION SERVICES FOR THE
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT**

DATED: FEBRUARY 26, 2016

The Matanuska-Susitna Borough School District (MSBSD) accepts the pricing on the BID FORM submitted to the District on January 12, 2016, and attached hereto, subject to the agreed upon changes to RFP #B16-01 as set forth in Addendum No. 3. below:

1. Section 23 of the Instructions to Bidders titled TERMINATION FOR CONVENIENCE OF THE MSBSD is deleted.
2. Section 33.4 of the Instructions to Bidders is changed to read: The contract shall be effective until June 30, 2021.
3. In the Statement of Work, Contract General Terms and Conditions (hereafter referred to as General Conditions), the title of Section 2.2 is changed to read: Duration of Contract 5 (five) years. In the text of Section 2.2, the period of work from July 1, 2016 – June 30, 2026 is changed to July 1, 2016 – June 30, 2021.
4. The parties agree that First Student's currently utilized 71 passenger buses may be aged out pursuant to the terms of the RFP, provided that at least 50% of the regular education route buses and standby buses shall be 84 passenger buses by January 31, 2017, and during any subsequent contract year.
5. In the General Conditions, delete Sections 3.3.3.1, 3.3.3.3, 3.3.3.4, 3.3.3.5, and 3.3.3.6. Change the title/text of Section 3.3.3. to: Fuel Cost. MSBSD will receive monthly invoices from First Student for First Student's purchase of fuel for buses used in providing transportation services for the MSBSD. The invoices shall separate out the fuel costs of activity buses. Procedures to implement this Section shall be developed and mutually agreed to by the parties. Procedures will include a peg price of \$1.86/gallon excluding FET, and an annual escalator of the peg price based on the Anchorage CPI inclusive of fuel. Escalator will also apply to the daily bus rate. The invoiced price vs. the peg price shall determine whether MSBSD receives a credit or additional billing for fuel each month. The parties further acknowledge that First Student's invoiced price per gallon cost of fuel includes a wet hose fueler fee for the buses, currently in the approximate amount of \$.06-\$.08 per gallon. This amount is reflected in the peg price set forth above.

Change current Section number 3.3.3.2 to 3.3.3.1.
6. In the General Conditions, delete the last two sentences in Section 6.1.3.2.
7. In the General Conditions, change the bus-to-technician ratio in Section 8.9.1 from "not to exceed 18:1" to "not to exceed 25:1."
8. In the General Conditions, change the ratio of field safety officers in Section 5.2.1.3 from 30:1 to 55:1, provided that regardless of that ratio, there shall be a minimum of three field safety officers. Additionally, a Lead Trainer shall be allowed to act as a substitute field safety officer.

**MATANUSKA -SUSITNA BOROUGH SCHOOL DISTRICT
PURCHASING DEPARTMENT
690 COPE INDUSTRIAL WAY
PALMER , AK 99645**

**PUPIL TRANSPORTATION SERVICES
FOR THE MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
RFP #B16-01**

BID FORM

In compliance with the Invitation to Bid for Pupil Transportation Services issued by the Matanuska-Susitna Borough School District (MSBSD), the undersigned proposes to furnish transportation during the five (5) year period of July 1,2016 through June 30, 2021 for eligible pupils living within Service Area #1 of the MSBSD as follows:

SERVICE AREA #1 & #2	DAILY RATE PER BUS
Regular and Special Education Pupil Transportation Routes 112 Buses & 42 SPED Buses at _____	\$ _____
FY17 Bus Runs to Alaska Middle College, UAA, Eagle River Campus	\$ _____
SERVICE AREA #1 & #2	
Mid-Day Bus Runs to include SPED Pre-school, School to School special runs	\$ _____
Hourly Rate _____	\$ _____
Long-Haul Mileage Rate _____	\$ _____
Long-Haul Per Diem Rate _____	\$ _____
(hotels will be reimbursed at actual costs)	



Days less than 170 *Per bus Per Day* \$ _____
Routes less than 154 Daily Routes (122 Regular + 42 SPED) \$ _____

First Student, Inc. 360.896.9500
 Company Name Phone Number

201 NE Park Plaza Dr Ste 240, Vancouver, WA 98684
 Street Address

201 NE Park Plaza Dr Ste 240, Vancouver, WA 98684
 Mailing Address

 Authorized Signature Title

 Printed Name of Individual Signed Above Date Signed



MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT

November 15, 2019

Alaska Energy Authority (AEA)
813 W Northern Lights Blvd
Anchorage, AK 99503

Dear AEA:

It is our pleasure to write this letter in support of the grant application submitted by First Student, Inc ("First Student") for the **Alaska School Bus Replacement/Repower Grant** program, as part of the Volkswagen Environmental Mitigation Trust settlement.

First Student is the current school transportation solutions provider for student transportation in Matanuska-Susitna Borough School District, proudly serving our district's student population with over 150 vehicles. First Student takes the health of our students very seriously by continuously pursuing environmentally sustainable initiatives for their fleet.

Diesel-fueled buses emit diesel particulate matter (PM), toxic air contaminants that adversely affect human health, including proper lung development in children. Several studies of diesel PM and children's exposure to air pollution on school buses and has found that the school bus itself is a major source of diesel PM exposure for children riding the bus. Funding school bus replacements not only reduces diesel PM, but also reduces NOx, which is the focus of the VW Mitigation Trust.

We fully support the efforts of First Student as they seek the **Alaska School Bus Replacement/Repower Grant** funding to help support the reduction in diesel emissions in Matanuska-Susitna Borough School District. We believe that awarding the grants to First Student will incentivize them to modernize their fleet faster than normal budgets will allow and will serve as a long-term beneficial investment for Alaska's efforts to reduce harmful diesel emissions. With fewer diesel emissions, our students won't be forced to breathe toxic pollutants that aggravate or increase incidents of respiratory illness, asthma, or other health problems.

Sincerely,

Crystal Smith

Pupil Transportation Supervisor

Matanuska-Susitna Borough School District

Southeast Island School District Cost Estimate Documentation

Four buses selected for replacement:

1. #B9
2. #B10
3. #B14
4. #B15

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School Bus Replacement Application Cover



Date of Application	11/08/2019
Applicant/Agency Name	SOUTHEAST ISLAND SCHOOL DISTRICT
Employer/Taxpayer ID (EIN/TIN)	92-0057120
Address	PO BOX 19569, 1010, SANDY BEACH RD
City/Zip	THORNE BAY, AK 99919

Authorized Representative Name	SHERRY BECKER
Contact Title & Association	SUPERINTENDENT OF SCHOOLS
Phone	(907)828-8254
Email	sbecker@sisd.org

Alternative Authorized Representative Name	BRIAN KROSSCHELL
Contact Title & Association	GRANTS MANAGER
Phone	(907)828-8254
Email	bkrosschell@sisd.org

Project Narrative

Please describe in detail the project, including the number of buses being replaced, bus ownership, timeline of events, and plans for scrappage of existing bus(es). Include information such as voluntary matching funds, timing of other funding sources, or in the case of alternative fueled vehicles, related infrastructure plans and funding. Use the next page or attach additional pages if necessary.

We are requesting help to replace 4 very inefficient old buses that are owned by the school district (B9-XYA892, B10-XYA893, B14-XZA492, B15-XZA493). See the associated data forms, DEQ reports, evaluations, and odometer photos included.

If awarded, our goal is to start the purchasing process within 2 months of notification. The school bus dealer in Anchorage said we could have them delivered on the barge to Thorne Bay 6 weeks after purchase. Scrappage of the old buses will begin as soon as the new buses are operating on the roads, no later than July 31. Reimbursement requests with required documentation will be completed no later than August 31, 2020.

Each of our buses travels approximately the same number of miles each year because of a regular rotation of vehicles for servicing. We have an outstanding maintenance team that has a schedule to provide servicing to each vehicle on a routine basis. All vehicle servicing is documented with dates and services provided.

We can provide a 20% match. These matching funds will come from district funds set aside to help with this school bus project. These funds are available immediately.

Milestone	Proposed Completion Date	Notes
Purchase order issued for new bus	JANUARY 31, 2020	Completed immediately if awarded
Delivery of new bus	APRIL 30, 2020	Delivery will be by barge
Existing bus scrappage with required documentation	JULY 31, 2020	Scrapage will be at local landfill
Reimbursement request with required documentation	AUGUST 31, 2020	Documentation will be included

School Bus Replacement Application Cover



Project Narrative - Continued

The buses are rotated on each of the different routes to balance mileage and usage.

The school district office, bus yard, and largest school are located in Thorne Bay.

The included maps show:

- (1) All district routes combined
- (2) Coffman Cove-Thorne Bay
- (3) Hollis-Craig
- (4) Hollis-Thorne Bay
- (5) Kasaan-Thorne Bay
- (6) Naukati Bay-Thorne Bay
- (7) South Thorne Bay-Thorne Bay
- (8) Whale Pass-Thorne Bay

The new buses have a much better fuel economy than our old buses and will provide a much safer ride for our students.

Thank you for the opportunity to apply for this badly needed upgrade of our vehicles.

Application Check List

- School Bus Application Cover
- Bus Data Form for each bus
- EPA DEQ emission results report used in the Bus Data Form for each bus
- Project Evaluation Form for each bus
- Map of bus route including fleet yard location for each bus
- Bus odometer photo

Application Acknowledgement

The undersigned certifies that they are the authorized agent of the above stated entity, and that all information and documentation submitted to the Alaska Energy Authority for an award of the VW Settlement Funds are truthful and correct, and that the applicant is in compliance with, and will continue to comply with, all applicable state and federal law, and that they can legally commit the entity to these obligations.

Sherry Becker
Signature of Authorized Representative

11/14/19
Date

Sherry Becker
Authorized Representative Name

Superintendent
Title

Applicant: SOUTHEAST ISLAND SCHOOL DISTRICT

Bus ID: B9-XYA892

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	B9-XYA892	NA
Bus Ownership (complete next page)	SOUTHEAST ISLAND SD	SOUTHEAST ISLAND SD
VIN #	1BAKCKKH45F-226756	NA
Engine Serial Number	KAL47708	NA
Bus Make	BLUE BIRD	THOMAS
Bus Model	VISION	C2
Bus Model Year	2005	2020
Bus Class/Type (Class A-D)	C	C
Gross Vehicle Weight Restriction	26,000	26,000
Fuel Type ¹ (complete next page)	DIESEL	DIESEL
Average Fuel Efficiency (MPG)	7 MPG	12 MPG
Annual Fuel (gals)	1520	NA
Annual Miles Traveled	10,600	NA
Annual Idling Hours	200	NA
Total Mileage	84,035.8	NA
Annual Fuel Reduction (gals) ²	NA	637
Remaining Life (years) ³	15	NA
Attrition year (please explain) ⁴	2035	NA
*We would use this vehicle until it died or the maintenance expenses are too much. Possibly as late as 2035 (2005+30). *New Bus 12 MPG - based on information from Trailer Craft of Anchorage (quoted as at least 12-15 mpg) *Calculations: OLD 10,600mi / 1520gal = 7MPG (as recorded on Diagnostic Link 8), NEW 10,600mi / 883gal = 12 MPG *Annual fuel reduction of 637 gals saved (1520 gal - 883 gal = 637)		
Equipment Cost (limited to cost of bus & shipping bus scragpage fee & EV charging infrastructure, if applicable.)	NA	122,489
Labor Cost (includes bus scragpage) ⁵	NA	1040

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.

2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

3. EPA's DEQ tool uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.

4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.

5. Labor cannot include administrative costs

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	SOUTHEAST ISLAND SCHOOL DISTRICT
Bus owner address	PO BOX 19569, 1010, SANDY BEACH RD
Bus owner city/state/zip code	THORNE BAY, AK 99919
Contract expiration date	N/A - District owns the buses
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	N/A - District owns buses

Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	N/A - Diesel

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	115,949	92,759
Shipping	5000	4000
Other - (please explain)	N/A	
Electric charging infrastructure	N/A	
Other alternative fueling infrastructure	N/A	
Labor (includes onboarding, signage, scrapping of old bus) ⁵	1540	1232
Total Project Cost	122,489	97,991

Applicant: SOUTHEAST ISLAND SCHOOL DISTRICT

Bus ID: B10-XYA893

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	B10-XYA893	NA
Bus Ownership (complete next page)	SOUTHEAST ISLAND SD	SOUTHEAST ISLAND SD
VIN #	1BAKCKKH4 5F-226757	NA
Engine Serial Number	KAL46391	NA
Bus Make	BLUE BIRD	THOMAS
Bus Model	VISION	C-2
Bus Model Year	2005	2020
Bus Class/Type (Class A-D)	C	C
Gross Vehicle Weight Restriction	26,000	26,000
Fuel Type ¹ (complete next page)	DIESEL	DIESEL
Average Fuel Efficiency (MPG)	7 MPG	12 MPG
Annual Fuel (gals)	1330	NA
Annual Miles Traveled	9200	NA
Annual Idling Hours	200	NA
Total Mileage	91,403.7	NA
Annual Fuel Reduction (gals) ²	NA	564
Remaining Life (years) ³	15	NA
Attrition year (please explain) ⁴	2035	NA
*We would use this vehicle until it died or the maintenance expenses are too much. Possibly as late as 2035 (2005+30).		
*New Bus 12 MPG - based on information from Trailer Craft of Anchorage (quoted as at least 12-15 mpg)		
*Calculations: OLD 9200mi / 1330gal = 7MPG (as recorded on Diagnostic Link 8), NEW 9200mi / 766gal = 12 MPG		
*Annual fuel reduction of 564 gals saved (1330 gal - 766 gal = 564)		
Equipment Cost (limited to cost of bus & shipping bus scragpage fee & EV charging infrastructure, if applicable.)	NA	122,489
Labor Cost (includes bus scragpage) ⁵	NA	\$1040

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.

2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

3. EPA's DEQ tool uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.

4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.

5. Labor cannot include administrative costs

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	SOUTHEAST ISLAND SCHOOL DISTRICT
Bus owner address	PO BOX 19569, 1010, SANDY BEACH RD
Bus owner city/state/zip code	THORNE BAY, AK 99919
Contract expiration date	N/A - District owns the buses
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	N/A - District owns buses

Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	N/A - Diesel

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	115,949	92,759
Shipping	5000	4000
Other - (please explain)	N/A	
Electric charging infrastructure	N/A	
Other alternative fueling infrastructure	N/A	
Labor (includes onboarding, signage, scrapping of old bus) ⁵	1540	1232
Total Project Cost	122,489	97,991

Applicant: SOUTHEAST ISLAND SCHOOL DISTRICT

Bus ID: B14-XZA492

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	B14-XZA492	NA
Bus Ownership (complete next page)	SOUTHEAST ISLAND SD	SOUTHEAST ISLAND SD
VIN #	4UZABPDKA-9CAH7964	NA
Engine Serial Number	92696150014747	NA
Bus Make	THOMAS	THOMAS
Bus Model	C2	C2
Bus Model Year	2008	2020
Bus Class/Type (Class A-D)	C	C
Gross Vehicle Weight Restriction	26,000	26,000
Fuel Type ¹ (complete next page)	DIESEL	DIESEL
Average Fuel Efficiency (MPG)	5 MPG	12 MPG
Annual Fuel (gals)	1800	NA
Annual Miles Traveled	9000	NA
Annual Idling Hours	200	NA
Total Mileage	68556.4	NA
Annual Fuel Reduction (gals) ²	NA	1050
Remaining Life (years) ³	18	NA
Attrition year (please explain) ⁴	2038	NA
*We would use this vehicle until it died or the maintenance expenses are too much. Possibly as late as 2038 (2008+30). *New Bus 12 MPG - based on information from Trailer Craft of Anchorage (quoted as at least 12-15 mpg) *Calculations: OLD 9000mi / 1800gal = 5MPG (as recorded on Diagnostic Link 8), NEW 9000mi / 750gal = 12 MPG *Annual fuel reduction of 1050 gals saved (1800 gal - 750 gal = 1050)		
Equipment Cost (limited to cost of bus & shipping bus scrapage fee & EV charging infrastructure, if applicable.)	NA	122,489
Labor Cost (includes bus scrapage) ⁵	NA	1040

1. This funding opportunity is strictly to replace/repower existing diesel school buses MY 2009 or older with at least three years of remaining life. New replacement buses may be diesel, alternate fueled (e.g., propane, CNG, hybrid), or all-electric.

2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

3. EPA's DEQ tool uses remaining life of the existing vehicle to calculate lifetime emission reductions associated with a project. Actual remaining life depends on the age of the vehicle at the time of the project, as well as usage, maintenance, and climate. Remaining life is calculated by taking either the maximum life or the median life value and subtracting the current age of the vehicle based on model year. DEQ will use the maximum life for this calculation. For example, if the on-road vehicle replacement occurs in 2019, and the existing vehicle is a model year 2005, the remaining life would be 30 - (2019-2005) = 16 years. DEQ quantifies the median life of on-road vehicles as 19 years and the maximum life as 30 years.

4. Year in which bus would normally be retired/sold by the fleet owner if not for this funding opportunity.

5. Labor cannot include administrative costs

Bus Ownership Information	
Both school district-owned buses and buses contracted to the school districts are eligible for repower/replacement. If the bus is contracted to the school district, please complete this section. Attach an explanation of the terms of the contract and what happens to the bus when the contract expires.	
Bus owner name	SOUTHEAST ISLAND SCHOOL DISTRICT
Bus owner address	PO BOX 19569, 1010, SANDY BEACH RD
Bus owner city/state/zip code	THORNE BAY, AK 99919
Contract expiration date	N/A - District owns the buses
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	N/A - District owns buses

Non-diesel Replacement Buses	
If requesting funding for alternative-fuel buses (compressed natural gas, hybrid-electric, liquid natural gas, or liquid propane gas) or all-electric buses, identify the fuel type and attach information about fueling infrastructure and indicate if it is in place or provide installation information (e.g., timeline, location of infrastructure, funding source for infrastructure).	
Fuel Type	N/A - Diesel

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	115,949	92,759
Shipping	5000	4000
Other - (please explain)	N/A	
Electric charging infrastructure	N/A	
Other alternative fueling infrastructure	N/A	
Labor (includes onboarding, signage, scrapping of old bus) ⁵	1540	1232
Total Project Cost	122,489	97,991

Applicant: SOUTHEAST ISLAND SCHOOL DISTRICT

Bus ID: B15-XZA493

Please complete the table below. **The applicant must also enter the data into the EPA Diesel Emission Quantifier tool and attach the DEQ emissions results to this form.**

(<https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>)

Submit a separate Bus Data Form and DEQ output for each bus. For electronic applications, submit one excel worksheet per bus; paper applicants print as many copies of the form as necessary.

Bus Data for EPA Diesel Emission Calculator		
	Existing Bus	Replacement Bus
Bus ID #	B15-XZA493	NA
Bus Ownership (complete next page)	SOUTHEAST ISLAND SD	SOUTHEAST ISLAND SD
VIN #	4UZABPDKA-ACAP5760	NA
Engine Serial Number	9269613015626	NA
Bus Make	THOMAS	THOMAS
Bus Model	C-2	C-2
Bus Model Year	2009	2020
Bus Class/Type (Class A-D)	C	C
Gross Vehicle Weight Restriction	26000	26000
Fuel Type ¹ (complete next page)	DIESEL	DIESEL
Average Fuel Efficiency (MPG)	5 MPG	12 MPG
Annual Fuel (gals)	2320	NA
Annual Miles Traveled	11,600	NA
Annual Idling Hours	200	NA
Total Mileage	83765.0	NA
Annual Fuel Reduction (gals) ²	NA	1354
Remaining Life (years) ³	19	NA
Attrition year (please explain) ⁴	2039	NA
*We would use this vehicle until it died or the maintenance expenses are too much. Possibly as late as 2039 (2009+30). *New Bus 12 MPG - based on information from Trailer Craft of Anchorage (quoted as at least 12-15 mpg) *Calculations: OLD 11,600mi / 2320gal = 5MPG (as recorded on Diagnostic Link 8), NEW 11,600mi / 966gal = 12 MPG *Annual fuel reduction of 1354 gals saved (2320 gal - 966 gal = 1354)		
Equipment Cost (limited to cost of bus & shipping bus scrapage fee & EV charging infrastructure, if applicable.)	NA	\$122,489
Labor Cost (includes bus scrapage) ⁵	NA	\$1040

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2. Information to be provided by the manufacturer, reasonably extrapolated to the service use conditions for each bus. Example, long haul with intermittent stops vs. frequent urban stop and go conditions.

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Bus owner city/state/zip code	THORNE BAY, AK 99919
Contract expiration date	N/A - District owns the buses
Can the parties enter a legally binding agreement to ensure the new replacement bus will operate within the usage area described in this application?	N/A - District owns buses

Non-diesel Replacement Buses	
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Fuel Type	N/A - Diesel

Bus Replacement Cost		
Provide project costs below. Use NA for any fields that are not applicable. Detailed cost estimates from selected or potential vendors are required for all individual expenditures. Attach a copy of the manufacturer/vendor bid estimates for each vehicle replacement. Note that funds cannot be requested for fueling infrastructure for alternative-fueled buses. Verification and documentation of scrapping of the old bus must be provided for reimbursement of project costs; the old bus shall be scrapped or rendered inoperable and available for recycle by cutting a 3-inch hole in the engine block and, if applicable, disabling the chassis by cutting the vehicle’s frame rails completely in half.		
	Total Cost (\$)	Requested Funds (\$)
Bus	115,949	92,759
Shipping	5000	4000
Other - (please explain)	N/A	
Electric charging infrastructure	N/A	
Other alternative fueling infrastructure	N/A	
Labor (includes onboarding, signage, scrapping of old bus) ⁵	1540	1232
Total Project Cost	122,489	97,991



Customer Quotation

Prepared For:
Southeast Island School District
Attention: Alex Hert

Prepared By :
Trailercraft, Inc.
Attention: Jeff Jessen

Quote Number:
360638

Quote Date:
10/9/2019

Customer Order No:
70 Pass

Model Profile: Saf-T-Liner C2 311TS

Product Type:	School Transportation
Year:	2020
Chassis Model:	B2 106
Chassis MFG:	FLNER
GVWR:	GVWR
Passenger Capacity:	70
Headroom:	78
Wheelbase:	259
Brake Type:	HYDRAULIC W/AIR SUPPLY
Engine Type:	DETROIT DIESEL DD5 240 DIESEL, 4 Cyl, 240 HP, 2600 RPM
Fuel Type:	DIESEL
Fuel Tank Capacity:	100
Transmission Type:	AUTOMATIC
Axle, Front:	12000-lb Capacity
Axle, Rear:	23000-lb Capacity
Tires, Front:	HANKOOK AH37 10R22.5 14 PLY FRONT TIRES
Tires, Rear:	REAR HANKOOK DH01 10R22.5 14 PLY TIRE
Suspension Front:	[FRONT SUSPENSION]
Suspension Rear :	[REAR SUSPENSION]

Total for 1 complete unit(s):
Delivery Cost:

\$ 115,949.85
Quote Available Upon Request

Includes the Following Equipment:

BODY

ACCESSORIES

- 1 [D106104000] LOC-1ST.SEAT DRVRSIDE REFL TRIANGLE

CERTIFICATION/SAFETY

- 1 [D102200002] REFLECTTAPE-RR END YEL 2"
- 4 [D102500000] REFLECTTAPE-P/O WDO YEL
- 1 [D102901000] REFLECTIVE TAPE-EMERGENCY DOOR REAR YELLOW
- 1 [D103400311] REFLECTTAPE-SIDE 2" @ FLR YEL
- 1 [D103900000] FIRE EXTINGUISHER-5 3A-40BC
- 1 [D107000000] REFLECTORS-AMBER(2) MID BDY 3"
- 1 [D107100000] REFLECTORS-RED (4) RR/RR SI 3"
- 1 [D107300002] HATCH-RF ESC MODEL 1100 ENG(2)
- 1 [D107700003] ELECTRICAL-ROOF ESCAPE HATCH POS 3
- 1 [D108700000] HANDLES-W/S SERVICE, PAINTED
- 1 [D110024ALK] KIT,FIRST AID 24 UNIT ALASKA.
- 1 [D110100000] KIT - BODY FLUID CLEAN-UP NATIONAL STANDARDS
- 1 [D116100009] LOC-VEST,FLR,PLT,RIGHT 5LB F.E.
- 1 [D119501002] LOC-VEST.FLR.PLT.RT.BFC,24 FAK
- 1 [D122201000] CUTTER-SEAT BELT W/HAND GRIP
- 1 [D122400000] TRIANGLES-REFL. 3 W/BOX
- 1 [D500003008] MIR-A OPEN-VIEW HTD BLK.BRKT
- 1 [D500300000] MIRROR-SYSTEM B EXTERIOR CROSSVIEW BLACK BRACKET
- 1 [D500605010] SIGN-STOP, ELEC FRT #SE1-7500C
- 1 [D602200000] MIRROR-INTERIOR 6"X30" WITH RUBBER EDGE
- 1 [D602300023] LABEL(S)-SPECIAL DATA, ALASKA
- 1 [D602400000] LABEL-VEHICLE CERTIFICATION

DOORS

- 1 [D200301005] STEP-RS ALUM.ENT.DR 8.75"RISER
- 1 [D300100001] HANDLE-INT RR DR BLACK
- 1 [D300300000] HANDLE-EXTERIOR REAR DOOR WITH RECESS
- 1 [D300800000] LATCH-DOOR INTERIOR STORAGE OVER WINDSHIELD
- 1 [D302304003] DOOR-ENT AG2 STORM TEMP LO STEP
- 1 [D302403000] PWR SYST.-AG2 ELECTRIC ENTRANCE DOOR
- 1 [D302502000] ELEC-AG2 ELECTRICAL OPERATED ENTRANCE DOOR
- 1 [D303100004] OPER-DOOR ELEC.ENT.W/ BAT.
- 1 [D303916000] RELEASE-NONE
- 1 [D311500000] KEY-VANDALOCK REAR DOOR NONE
- 1 [D311900000] TRIM-ENTRANCE DOOR INTERIOR
- 1 [D603000000] PAD-DR HEADER, RR EMER 36"W

ELECTRICAL - BODY

- 1 [D105400001] FAN-CIRC MID W/S HDR BLACK
- 1 [D105500001] ELEC-FAN MID W/S HDR
- 1 [D105600000] FAN-CIRC DRV'S WDO HDR BLACK
- 1 [D105700000] ELECTRICAL-FAN DRIVER'S WINDOW HEADER
- 1 [D106902001] RADIO-AM/FM DEA510
- 1 [D115000003] OPER-AUTOMATIC FAST IDLE
- 1 [D130706000] ELEC-ZONAR STANDARD MONITORING
- 1 [D301100001] ELEC-PWR CELL PHONE OUTLET LS
- 1 [D400200001] MONITOR-LPS WARN NONE
- 1 [D400703311] LPS-DOME PASS MEDIUM () 311T
- 1 [D400804311] ELEC-PASS DOME LPS MEDIUM 311T
- 1 [D401000001] MODULE-PWR.DIST.ELEC.SYS.
- 1 [D402200000] LAMP-EXTERIOR AND AFT OF ENT DOOR
- 1 [D402300001] ELEC-LPS EXT AFT OF ENT DOOR
- 1 [D402400003] OPERATION-STEPWELL LAMPS WITH IGNITION/DOME SWITCH(S)
- 1 [D402500000] LAMPS-STEPWELL WITHOUT HOOD (1)
- 1 [D402800003] LPS-STOP/TAIL/DIR AMBER/REV
- 1 [D402904311] ELEC-LPS STOP/TAIL/TURN/REV
- 1 [D404300001] ELEC-PWR, GND, NETWORK, BUZZ
- 1 [D406004000] LPS-SI DIR AMBER FRT. LED PIN
- 1 [D406109311] ELEC-LPS SI DIRECTIONAL
- 1 [D406210008] LPS-WARNING HALOGEN (8)
- 1 [D406601016] OPERATION-LAMPS WARNING (8) PACKAGE 16
- 1 [D406700000] OPERATION-LAMPS REVERSE WITH REAR EMERGENCY DOOR OPEN
- 1 [D406900006] LPS-ID AMB/RED LED
- 1 [D407004000] LPS-MKR ROOF FRT/RR LED PIN
- 1 [D407104000] LPS-MKR ROOF MID LED PIN
- 1 [D408300003] STROBE-CLR 4.9"H 4' FROM REAR
- 1 [D408901000] LPS- STOP/TAIL 4" FLS.MT L.E.D.
- 1 [D409000000] SWITCH-ROCKER FAN DEFROST WINDSHIELD
- 1 [D410804002] LPS-SI DIR AMB LED PIN RR.AXLE
- 1 [D411000000] SWITCH-ROCKER STROBE LAMPS
- 1 [D412200000] LAMPS-PILOT WARNING LIGHTS RED
- 1 [D412300000] LAMPS-PILOT WARNING LIGHTS AMBER
- 1 [D412400000] CHIME-WARNING LPS
- 1 [D413807000] OPERATION-LAMP STROBE, IGNITION & SWITCH ACTIVATED
- 1 [D414700002] ELEC-CABLE PRIM PWR & GND-CUSTOMER ACCESS
- 1 [D415900001] ELEC-CHIME WARNING LPS
- 1 [D416100000] OPERATION-LAMPS SIDE DIRECT.ONLY
- 1 [D416400000] BLOCK-FUSE CUSTOMER ACCESS
- 1 [D418600002] OPER-PRE-TRIP INSPECTION
- 1 [D418900000] LPS-EXT, OVER RS ENT DR
- 1 [D419000000] OPER-LPS EXT, OVER RS ENT DR
- 1 [D419100000] ELEC-LPS EXT, OVER RS ENT DR
- 1 [D419601001] ELEC-SEAT BELT PILOT LAMP
- 1 [D419700001] OPER-SEAT BELT PILOT LAMP
- 1 [D419900000] LAYOUT-ROCKER SWITCH STANDARD
- 1 [D420300000] CIRCUITRY-MULTIPLEX PRESENT
- 1 [D500801007] ELEC-ELECTRIC STOP SIGN FRONT DEFENDER
- 1 [D602001311] SPEAKERS-INT. 30 WAT.(6) 311T
- 1 [D602102311] ELEC- (6) INT SPEAKERS 311T
- 1 [D609700000] SWITCH-RKR HTR BOOST PUMP

- 1 [D613400002] DOME LPS - MEDIUM
- 1 [D619600000] ELEC-HTR ENT DOOR STEPWELL
- 1 [FL-721-029] 112DB BACKUP ALARM

EXTERIOR

- 1 [D108800002] FLAPS-MUD, REAR 22.5"W
- 1 [D108900001] FLAPS-MUD, FRONT 16"W X 12"H
- 1 [D110500000] STEPS-EXT W/S SERVICE
- 1 [D200200002] FENDER-QUARTER 24" BATTERY BOX DOOR
- 1 [D200600000] BODY ADJUSTMENT-FREIGHTLINER, BTR RS FUEL FILL LOCATION
- 1 [D201900003] REINFORCEMENT-FRAME STD 24" BATTERY BOX DOOR
- 1 [D202600000] CAP-ENTRANCE DOOR STANDARD
- 1 [D202800001] FLOOR-NON ADA
- 1 [D502600000] BUMPER-REAR 2 BRACES NO EXHAUST HOLE
- 1 [D502900004] SKT.FWD.STPWLL LO DEF
- 1 [D503302000] CAP-FRT ROOF VENT W/WARN.LPS.
- 1 [D503402000] CAP-REAR ROOF W/WARN.LPS.
- 1 [D503902311] GUSSET-21"H LWR SIDE SHEET
- 1 [D504006311] SHEET-LWR, L MID 20G,21"
- 1 [D504106311] SHEET-LWR,L RR 20G,21"
- 1 [D504206311] SHEET-LWR,R MID 20G,21"
- 1 [D504306311] SHEET-LWR,R RR 20G,21"
- 1 [D504500003] DOOR-U/B L BATTERY 24"
- 1 [D505600000] DOOR-FUEL FILL ACCESS BTR
- 1 [D505700021] FENDERETTE-STL 21" SKIRT
- 1 [D507400002] LATCH-BATT DOOR NON-LOCKING
- 1 [D507600000] LATCH-FUEL FILL ACCESS (THUMB)
- 1 [D510900000] VENT-STATIC PRESENT
- 1 [D511501700] PILASTER - 311T, 700
- 1 [D511800000] LATCH-NON-LOCKING DEF ACCESS DOOR
- 1 [D512900000] RAIL-SNOW RAIL PRESENT
- 1 [D515100311] HARDWARE-MOUNTING CLIPS STANDARD

HVAC

- 1 [D112400012] AIR COND - NONE
- 1 [D603704084] HEATER-UNDERSEAT LEFT SIDE 84,000 BTU LOCATION 4
- 1 [D604310084] HTR-U/S LS 84,000 BTU LOC 10
- 1 [D6047101BS] HOSE-HTR BLUSTRIP W/ W/H POS 10
- 1 [D604801000] HTR-ENT DOOR STEPWELL (DUCTED, UNDERSEAT)
- 1 [D604901002] HOSE-STEPWELL HEATER BLUSTRIPE
- 1 [D605200001] CLAMPS-PLUMBING HEATER CONSTANT TORQUE
- 1 [D605301000] CLAMPS-UNDERSEAT HEATER CONSTANT TORQUE
- 1 [D605810002] CONN-HTR(1) CONST TORQ/BLUSTRIP
- 1 [FL-130-998] NO AIR CONDITIONING COMPRESSOR
- 1 [FL-174-006] AMETEK CAST COOLANT BOOSTER PUMP WITH LH ON/OFF SMART SWITCH

INTERIOR

- 1 [D106500000] VISOR-WINDSHIELD SUN 6"X30" TINTED
- 1 [D123000002] DOOR-STORAGE BOX W/O GLASS
- 1 [D133300005] TRIM-LOWER REAR HEATER NO A/C
- 1 [D300601002] DOOR-ACC SOLID PANEL
- 1 [D309001001] LATCH-DR INT STOR OVR DRVRSHDR
- 1 [D510800001] BTR FUEL FILL RECESS, W/DOOR
- 1 [D600801001] COVER-TRIM DRVS HDR W/STORAGE
- 1 [D600901000] COVER-TRIM FRT END W/S HEADER
- 1 [D601003002] COVER-TRIM FRT ENT.ALUM.DR HDR.ELEC.OP.
- 1 [D601402311] STRIPS-AISLE, GALVALUME 311T
- 1 [D601508311] FLR-BLK VINYL W/13" CTR AISLE 311T
- 1 [D601600006] FLR-BLK WHEELHOUSE AND HEATER
- 1 [D601703311] FLOOR-PLYWOOD 1/2" 311T
- 1 [D607904700] LINING-SIDE INT.
- 1 [D608600000] TRIM-STEPWELL HORIZONTAL WITH DIAMONETTE NOSE
- 1 [D610600311] INSULATION - RAFTER CAVITY 311T
- 1 [D801000000] TUBE-FILL BTR & OVERFLOW HOSE
- 1 [D801100000] CAP-FUEL FILL BTR NON-LOCKING
- 1 [FL-694-010] IN DASH STORAGE BIN

MISC

- 1 [A000000115] LIST-INSPECTION, CUSTOMER ALASKA
- 1 [A200100000] PDI IDENTIFIER-DEALER PERFORMED
- 1 [D125200000] MANUAL-DRVR'S/MAINT.ENGLISH
- 1 [D201600000] APPLICATION - SCHOOL
- 1 [FL-141-998] NO COOLANT HEATER - GAS/DIESEL
- 1 [FL-702-998] NO A/C PLUMBING - MAIN
- 1 [FL-79A-070] 70 MPH ROAD SPEED LIMIT
- 1 [TB-001-310] SAF-T-LINER C2

PAINT/LETTERING

- 1 [A000000058] DECAL-UNITED AUTO WORKERS
- 1 [D100300001] LOGO-OMIT THOMAS DECALS
- 1 [D100400005] LETTERING-STOP ON FLASHING RED
- 1 [D100500000] LETTERING-"BATTERY" ON DOOR 2"
- 4 [D100600000] LABEL-P/O WDO EMER EXIT 2" RED
- 1 [D101502003] LABEL-ENGLISH AG2.ELEC.ENT DR
- 1 [D126600000] LETTERING-ARROW EXTERIOR RR EMG DR BLK
- 1 [D127400000] DECAL-BACKING ALARM
- 1 [D130200000] DECAL-LOW SULFUR FUEL
- 1 [D132200000] LABEL-RR DR EMERGENCY DOOR DO NOT BLOCK
- 1 [D134200000] LABEL-RR EMERGENCY DOOR INSTRUCTION
- 1 [D134600000] LABEL-"DEF ONLY"
- 1 [D134901000] LABEL-REGENERATION WARNING 2010/2013 EPA ENGLISH
- 1 [D502513000] PAINT-EXT HNDLE(S) BLACK
- 1 [D503104001] DECAL-REFL FRT CAP "SCHOOL BUS"
- 1 [D503204001] DECAL-REFL RR CAP "SCHOOL BUS"
- 1 [D505500001] DECAL-"DIESEL"
- 1 [D5061SC311] PAINT-EXT WDO AREA SAME AS BODY
- 1 [D506347000] PAINT-EXT GRD RAIL @ WINDOW BLACK
- 1 [D506447000] PAINT-EXT GRD RAIL @ SEAT BLACK
- 1 [D506547000] PAINT-EXT GRD RAIL @ FLOOR BLACK
- 1 [D506647000] PAINT-EXT GRD RAIL @ SKRT BLACK
- 1 [D506747001] PAINT-EXT BUMPER REAR BLACK
- 1 [D506900000] PAINT-BLACK TRIM-FRONT/REAR ROOF CAPS
- 1 [D510646311] PAINT-SOLID COLOR YELLOW
- 1 [D515400000] DECAL-APPROVED FUEL TYPE
- 1 [FL-065-196] PAINT:ONE SOLID COLOR,BASE/CLEARCOAT
- 1 [FL-980-6MJ] CAB COLOR A:L5898EB SCHOOL BUS YELLOW ELITE BC
- 1 [FL-981-998] CAB COLOR B - NONE
- 1 [FL-982-998] CAB COLOR C: NONE
- 1 [FL-98A-998] NO GRILLE PAINT

SEATS

- 1 [A201400001] 2014 SEATING ALERT
- 1 [B610000095] BELT-ELR SHOULDER/PUSH BUTTON LAP
- 1 [B640139200] 39" BARR-VERT,WALL MT 45"H RS 2009
- 1 [B640239000] 39"8DEG BARR-REV. WALL-MT 45"H 2009
- 2 [B660019121] SPANISH GRAY UPHOLSTERY-45"HIGH RECESSED BARRIER
- 1 [D610339002] RAIL-ASSIST FRT ENT DR 39"W
- 1 [D900104000] BACK-NATIONAL DRV'S SEAT
- 1 [D900302003] ARMREST NATIONAL DRVR'S ST. RS
- 1 [D900403000] UPH DR.ST.WOLF BLK NATIONAL
- 1 [D900503002] PEDASTAL-DR ST MECH TYPE
- 1 [D900602001] COVER PEDASTAL NATIONAL NONE
- 1 [D900802001] RETAINER NATIONAL DR.ST.BELT NONE
- 1 [D900902001] POUCH-DR.ST.STORAGE NONE
- 1 [D901039001] KICKPLATE-MOD.PANEL RS 39" HEATER
- 1 [D901139000] KICKPLATE-MOD.PANEL LS 39"
- 1 [D901200002] RISER-DRIVERS SEAT, NATIONAL
- 1 [D901700001] Haptics-Not Present
- 11 [D930039000] S3B 39"RS WALL MT RESTRAINING/NO BELT
- 11 [D930139000] S3B 39"LS WALL MT RESTRAINING/NO BELT
- 24 [D930419166] 42 OZ GRAY UPHOLSTERY - S3B SEAT
- 1 [D930830000] S3B 30"RS THIN WALL RESTRAINING/NO BELT
- 1 [D930930000] S3B 30"LS THIN WALL RESTRAINING/NO BELT
- 24 [D939201000] S3B WALL MT HARDWARE-RESTRAINT

WINDOWS/GLASS

- 1 [D700000001] GLASS-WINDSHIELD ONE PIECE WITH TINTED BAND
- 1 [D700101000] GLASS-RS FRT STAT CLR TEMP
- 1 [D700201000] GLASS-LS FRT STAT CLR TEMP
- 1 [D700300000] GLASS-REAR STAT CLEAR TEMPERED
- 1 [D700400000] GLASS-RR SIDE STAT CLEAR TEMP
- 1 [D700500000] FRAME-WDO SPLIT
- 13 [D700530000] FRAME-WDO SPLIT 30"W
- 2 [D700540000] FRAME-WDO SPLIT 40"W
- 2 [D700600L00] WDO P/O VERT TEMP CLR LS
- 2 [D700600R00] WDO P/O VERT TEMP CLR RS
- 1 [D700830R00] GLASS-WDO STORM TEMP 30" R
- 1 [D700900003] STOPS-WDO 12"
- 1 [D701600010] WDO-DRIVER'S STORM TEMP

OTHER

- 1 [D100200002] LOGO-FRT RS & RR
- 1 [D108200008] ELECTRICAL-ROOF ESCAPE HATCH POSITION 8
- 1 [D109300000] ARM ASSEMBLY-WINDSHIELD WIPER (2)
- 1 [D110200000] ELECTRICAL-ROOF HATCH OR P/O WINDOW (DASH)
- 1 [D110800000] OPER-FAN W/S HDR
- 1 [D110900000] OPER-FAN DRV'S WDO HDR
- 1 [D111000000] OPER-ALARM BACKING W/REV.
- 1 [D113200000] OPER-RF HATCH BUZZER
- 1 [D119700001] AC DUCT-NOT PRESENT NO SIDE EVAP
- 1 [D123300000] CONDENSER ALERT - NONE
- 1 [D123400000] EVAPORATOR QTY - NONE
- 1 [D123800000] ANTENNA - RADIO SWIVEL BASE
- 1 [D124000000] ELEC-ANTENNA RADIO COAXIAL
- 1 [D124100000] KIT-RADIO ANTENNA MOUNTING @ DRIVER'S HEADER
- 1 [D200000700] 311T30_N
- 1 [D200100000] TRIM-A POST
- 1 [D200700000] WHEELHOUSES-REAR L&R
- 1 [D200800311] STRINGER-ROOF 311T
- 1 [D201000000] FRONT END FRAME
- 1 [D201100000] FRT END FRAME MTG KIT
- 1 [D201200000] REAR END FRAME-28.68"DEEP
- 1 [D201300311] FLOOR-GALVALUME STEEL MID BODY
- 1 [D201400704] LOC-40" RAF SP 10TH 311T
- 1 [D201500000] RS TANK ALERT - NONE
- 1 [D300700000] DOOR ALERT - LS ENT NONE
- 1 [D301400000] TRIM-REAR DOOR
- 1 [D302001000] VANDALOCK-NONE REQUIRED
- 1 [D302800000] HINGES-REAR DOOR PIN TYPE
- 1 [D302900000] LATCH-SINGLE-POINT, REAR EMERGENCY DOOR
- 1 [D303000000] STOP-DOOR REAR EMERGENCY, 1-POS
- 1 [D304000000] PULL-ENTRANCE DOOR, NONE REQD
- 1 [D306400000] OPER-DR.RR.EMG.W/BUZ
- 1 [D306500700] ELEC-EMERGENCY/EXIT DOOR(S)
- 1 [D307100000] DOOR-LS ENT RS EXIT -NONE REQD
- 1 [D307700000] INT COLOR -RR DOOR GRAY
- 1 [D308101000] VANDALOCK-NONE REQUIRED RS
- 1 [D308201000] VANDALOCK-NONE REQUIRED LS
- 1 [D308300000] DOOR ALERT - RS EXIT NONE
- 1 [D308600000] SWITCH-PAD. SERV. DOOR ELEC.
- 1 [D309200000] DOOR, REAR EMERGENCY
- 1 [D310501000] THRESHOLD REAR EMERGENCY DOOR
- 1 [D400900001] SWITCH-RKR DOME LPS ALL
- 1 [D403700000] SWITCH-RKR FAN DEFROST L.S.
- 1 [D404100001] BUZZER-SWITCH PANEL 1 TONE
- 1 [D404608311] ELECTRICAL-LAMPS WARNING,8 LAMPS 311T
- 1 [D405400001] OPER-LPS, DOME STANDARD
- 1 [D405800000] OPER-LPS BODY TAIL W/PARK SW.
- 1 [D405900000] LAMPS-LICENSE PLATE ILLUMINATION
- 1 [D407500311] ELEC-LPS ID/MKR PARK/SW.311T
- 1 [D408602311] ELECTRICAL-LAMPS STROBE 4' FROM REAR

- 1 [D410400000] OPER-HTR BOOSTER PUMP OPER WITH SWITCH
- 1 [D410501000] OPERATION-LAMPS INTERIOR/EXTERIOR RIGHT FRONT ENTRANCE DOOR
- 1 [D410600000] OPER-LPS SERVICE BRAKE
- 1 [D410900005] OPERATION-SWITCH ID/MARKER LAMPS WITH PARK
- 1 [D411400001] OPER-LPS DOME (1)ON/OFF
- 1 [D411700000] OPER-LPS REVERSE
- 1 [D411900002] ELEC-(2) SWITCH BANKS
- 1 [D412700001] SWITCH-RKR.WARN LPS MASTER
- 1 [D412900001] SWITCH-ROCKER WARNING LAMPS RED/AMBER ACTIVATION
- 1 [D414500311] ELEC-HARNESS COMP ASM 311T
- 1 [D414600000] ELEC-ELECTRONIC COMP ASM
- 1 [D414900000] OPER-LPS DIR./HAZ.
- 1 [D500100000] SWITCH-RKR MIRROR HTR.
- 1 [D500200000] ELEC-MIR A HTD
- 1 [D501400311] RAIL-EXTERIOR GUARD @ WINDOW,SEAT,FLOOR,SKIRT
- 1 [D501500000] RAIL-EXT GRD @ SEAT FRT END LS
- 1 [D501901000] RAIL-EXT GRD@ FLOOR, NONE
- 1 [D502800000] TRIM-FRT CAP RS/LS
- 1 [D503500000] PANELS-EXTERIOR REAR
- 1 [D503600000] SHEET-DRIVERS EXTERIOR 20 GA.
- 1 [D503700700] SHEET-UPPER SIDE EXTERIOR
- 1 [D504600000] OPER-MIRRORS EXT HTD.
- 1 [D505300311] UNDERCOATING-ASPHALT EMULSION
- 1 [D505800704] HEADERS-WINDOW INTERIOR 311T
- 1 [D506800001] PAINT-EXT ENT DOOR NONE
- 1 [D507001001] PANELS-EXTERIOR REAR SIDE LONG W/STATIONARY GLASS
- 1 [D507100000] LS STORAGE BOX 1 - NONE
- 1 [D507300000] LS STORAGE BOX 2 - NONE
- 1 [D508100081] ROOF SHEETS-(2)HATCH - 311T
- 1 [D508200000] RS STORAGE BOX 1 - NONE
- 1 [D508300000] RS STORAGE BOX 2 - NONE
- 1 [D508400000] RS STORAGE BOX ROH - NONE
- 1 [D508500000] LS STORAGE BOX ROH - NONE
- 1 [D600100000] PANELS-REAR END INTERIOR REAR GALVALUME
- 1 [D600201000] PANELS-RR END INT SI LONG W/ST
- 1 [D600300000] BULKHEAD-RR END INT.GRY
- 1 [D600400000] PANELS-ACCESS RR BULKHEAD GRAY
- 1 [D600500311] COVER-HARNESS ACCESS@HDR
- 1 [D600600000] COVER-ACCESS RR END HARNESS
- 1 [D600700000] COVER-ACCESS FRT END HARNESS
- 1 [D601100001] HEADLINING-VESTIBULE SMOOTH, VENT, GRAY, NO LAMPS
- 1 [D601200001] HEADLINING-REAR LONG SMOOTH, GRAY
- 1 [D601800001] COVER-FUEL SENDING INSPECTION
- 1 [D601900311] MOLDING-SHOE 311T
- 1 [D605000000] SWITCH-ROCKER HEATER STEPWELL
- 1 [D605600000] LUGGAGE RACK ALERT - NONE
- 1 [D605900000] SWITCH-ROCKER HEATER LEFT 1ST
- 1 [D606000000] SWITCH-ROCKER HEATER LEFT 2ND
- 1 [D606500004] ELEC-HTR U/ SEAT POS 4
- 1 [D607100010] ELECTRICAL-HEATER UNDERSEAT POSITION 10
- 1 [D607600700] RAIL-SEAT
- 1 [D607700000] LAYOUT-SEAT RAIL HOLES RS
- 1 [D607800000] LAYOUT-SEAT RAIL HOLES LS
- 1 [D608100000] CABINET-SW, FWD
- 1 [D608200000] CABINET-SWITCH, LOWER WITHOUT POCKET
- 1 [D608300000] CABINET-SWITCH, UPPER
- 1 [D608400000] CABINET-TOP PLATE (2 BANKS)
- 1 [D608501000] TREAD-STEP ALUMINUM ENTRANCE DOOR BLACK
- 1 [D609000000] OPER-HTR U/ SEAT LS FWD
- 1 [D609200000] OPER-HTR STEPWELL
- 1 [D609500000] INSULATION-VEST HEADLINING 2"
- 1 [D609600700] INSULATION-SIDELINING 2" POLY
- 1 [D609800000] INSULATION-RR BULKHEAD 2" POLY
- 1 [D609900000] INSULATION-FRONT BULKHEAD 2"POLYESTER
- 1 [D610000000] OPER-HTR U/ SEAT LS AFT

- 1 [D610405311] H/L-PASS AREA SMOOTH GREY 311T
- 1 [D610500311] HEADERS-WINDOW EXTERIOR 311T
- 1 [D613100000] HARNESS COVER COLOR - GRAY
- 1 [D613200001] SPEAKER ALERT - PRESENT
- 1 [D613500000] HEADLINING COLOR - GREY
- 1 [D613600000] HEADLINING TYPE - ALL SMOOTH
- 1 [D613800000] MAT, FLOOR VESTIBULE
- 1 [D614000000] TRIM-INTERIOR DASH FORWARD
- 1 [D616100000] INSTALLATION-PARK BRAKE ASSEMBLY
- 1 [D616900002] INSULATION-INT LONG REAR WDO
- 1 [D617100000] LUGGAGE RACK ALERT - NONE
- 1 [D617200000] PLATE-ACCELERATOR
- 13 [D700730000] GLASS-WDO CLEAR TEMP 30"
- 2 [D700740000] GLASS-WDO CLEAR TEMP 40"
- 1 [D701200000] GLS-LWR RR DR TEMP CLR
- 1 [D701300000] GLS-UPR RR DR TEMP CLR
- 1 [D701500000] OPER-WDO P/O
- 1 [D900702001] SLIDE STOP NATIONAL DR.ST. NONE
- 1 [FL-132-998] NO AIR INTAKE WARMER
- 1 [FL-168-002] LOWER RADIATOR GUARD
- 1 [FL-202-003] REINFORCED NYLON FUEL LINES
- 1 [FL-215-005] PAINTED FUEL TANK, PAINTED BANDS
- 1 [FL-216-001] SINGLE SUCTION AND RETURN FUEL LINES
- 1 [FL-231-006] FUEL TANK MOUNTED BETWEEN RAILS, AFT OF REAR AXLE, WITH CAGE
- 1 [FL-267-001] REMOTE-MOUNTED SURGE TANK
- 1 [FL-280-001] BASIC WIRING SCHEMATIC,UNMOUNTED,12-VOLT NEGATIVE GROUND SYS
- 1 [FL-289-006] PAINTED BATTERY PANEL COVER
- 1 [FL-290-017] BATTERY BOX FRAME MOUNTED
- 1 [FL-302-068] BATT ENABLED 3 AMBER INBOARD ID LAMPS,2 AMBER OUTBOARD MARKE
- 1 [FL-317-006] STROBE LAMP, IGNITION SWITCH OR LH DASH SWITCH ACTIVATED
- 1 [FL-31C-061] HALOGEN WARNING SYSTEM LAMPS
- 1 [FL-31T-050] STANDARD BODY VISUAL WARNING,LOWER RR,REV LAMPS ON DR/OPEN
- 1 [FL-325-066] PASSENGER COMPARTMENT DOME LAMPS, IGNITION ACTIVATED
- 1 [FL-32C-001] PASSENGER COMPARTMENT DOME LPS, SINGLE ON/OFF SW
- 1 [FL-32H-998] NO SPECIAL STEPWELL LAMP OPERATION
- 1 [FL-33A-028] EIGHT LAMP WARNING SYSTEM,LH DASH SWITCH(S), PACKAGE 16
- 1 [FL-345-005] SHIFT LEVER, CABLE LINKAGE, AUTOMATIC TRANSMISSION
- 1 [FL-393-001] DRIVELINE GUARD
- 1 [FL-403-002] NON-ASBESTOS FRONT BRAKE LININGS
- 1 [FL-410-001] FRONT SHOCK ABSORBERS
- 1 [FL-433-002] NON-ASBESTOS REAR BRAKE LININGS
- 1 [FL-490-117] WABCO NG HYDRAULIC ABS/ATC W/SHUTOFF SWITCH
- 1 [FL-524-998] NO POLISHED FRONT WHEELS
- 1 [FL-525-998] NO POLISHED REAR WHEELS
- 1 [FL-534-015] TWO QUART SEE THRU POWER STEERING RESERVOIR
- 1 [FL-539-003] POWER STEERING PUMP
- 1 [FL-551-006] ZINC-PLATED HEXHEAD CHASSIS FASTENERS
- 1 [FL-552-141] 3675MM (145") REAR FRAME OVERHANG
- 1 [FL-553-001] SQUARE END OF FRAME
- 1 [FL-574-001] BUMPER MOUNTING FOR SINGLE LICENSE PLATE
- 1 [FL-57W-003] COMBINATION S/T/T/R LAMPS
- 1 [FL-59T-006] REAR EMERGENCY DOOR,IGNITION CONTROL,BUZZER ON W/DOOR OPEN
- 1 [FL-622-315] 21K TAPERLEAF SPRING REAR SUSPENSION
- 1 [FL-650-021] CAB MOUNTING FOR HOOD AND COWL CHASSIS
- 1 [FL-653-017] RH FRONT ENTRANCE DOOR, BATTERY CONTROLLED,ELECTRICALLY OPER
- 1 [FL-655-013] MANUAL ENT DOOR LOCK/BUZZER ON W/EMERGENCY DOORS UNLATCHED
- 1 [FL-659-003] ONE GALLON WINDSHIELD WASHER RESERVOIR
- 1 [FL-660-008] SINGLE ELECTRIC WINDSHIELD WIPER MOTOR W/DELAY
- 1 [FL-680-006] GRAY/CHARCOAL FLAT DASH
- 1 [FL-690-002] STANDARD TUNNEL/FIREWALL LINER
- 1 [FL-698-998] NO AIR CONDITIONER CONDENSER
- 1 [FL-700-001] HEATER AND DEFROSTER
- 1 [FL-701-001] STANDARD HVAC DUCTING
- 1 [FL-703-006] MAIN HVAC CONTROLS WITHOUT RECIRCULATION SWITCH
- 1 [FL-716-014] WINDSHIELD FAN,(1) HEADER MOUNTED

- 1 [FL-718-008] DRIVER'S FAN,(1) MOUNTED ABOVE SIDE WINDOW
- 1 [FL-71P-003] AUX BODY HEATER,UNDER SEAT ,FWD
- 1 [FL-71V-001] AUXILIARY BODY HEATER, UNDER SEAT, AFT
- 1 [FL-732-004] GRAY INSTRUMENT PANEL-DRIVER
- 1 [FL-74B-088] BODY SUPPLIED HEATED MIRRORS
- 1 [FL-778-004] ROOF MOUNTED VENT/ESCAPE HATCH
- 1 [FL-77Z-800] PUSH OUT BODY SIDE WINDOWS, BUZZER WITH WINDOW UNLATCHED
- 1 [FL-81B-001] STANDARD PANEL LAMP DIMMER
- 1 [FL-829-043] CHASSIS COWL AND HOOD ONLY
- 1 [FL-84S-998] NO TCU-TRANSMISSION OPTIMIZED(NO FUEL SENSE)
- 1 [FL-877-002] STANDARD BRAKE WIRING
- 1 [FL-964-020] BUMPER: BLACK
- 1 [FL-986-019] CHASSIS: VENDOR BLACK
- 1 [FL-A63-99D] EXPECTED GROSS VEHICLE WEIGHT CAPACITY
- 1 [FL-A66-99D] EXPECTED FRONT AXLE(S) LOAD
- 1 [FL-A68-99D] EXPECTED REAR DRIVE AXLE(S) LOAD
- 1 [FL-A85-017] SCHOOL BUS SERVICE
- 1 [FL-AA1-006] COWL CHASSIS CONFIGURATION COMPLIES WITH SBMTC
- 1 [FL-AA3-028] BUS BODY WITH WHEELWELL
- 1 [FL-AA4-014] PASSENGER COMMODITY
- 1 [FL-AA5-002] 100% ON-HIGHWAY (CITY) TERRAIN
- 1 [FL-AA6-001] DOMICILED USA 50 STATES (CALIFORNIA)
- 1 [FL-AF2-011] DOMICILED ALASKA
- 1 [FL-AF3-1BP] THOMAS BUILT SCHOOL BUS 311T

CHASSIS

AXLES AND SUSPENSIONS

- 1 [A000000117] ALIGNMENT-4-WHEEL SAF-T-LINER C2
- 1 [FL-386-055] SPL100 DANA SPICER MAIN DRIVELINE
- 1 [FL-400-1A6] DA-F-12-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
- 1 [FL-409-002] CHICAGO RAWHIDE FRONT OIL SEALS
- 1 [FL-40T-002] SYNTHETIC 75W-90 FRONT AXLE LUBE
- 1 [FL-418-030] CONMET IRON FRONT HUBS
- 1 [FL-41T-002] SYNTHETIC 75W-90 REAR AXLE LUBE
- 1 [FL-420-1GK] DA-RS-23-4 23,000# R-SRS SINGLE REAR AXLE
- 1 [FL-421-522] 5.22 AXLE RATIO
- 1 [FL-424-001] IRON REAR AXLE CARRIER HOUSING
- 1 [FL-440-001] CHICAGO RAWHIDE (SCOT) REAR OIL SEALS
- 1 [FL-450-002] GUNITE IRON REAR HUBS
- 1 [FL-620-062] 10,000 LB. TAPERLEAF FRONT SUSPENSION
- 1 [FL-62G-004] COMFORT-TEC SUSPENSION

BRAKES

- 1 [A000000164] ALERT-ENHANCED STABILITY CONTROL
- 1 [FL-018-003] BOSCH HYDRAULIC BRAKE PACKAGE WITH OPTIONAL AIR SUPPLY
- 1 [FL-402-054] BOSCH HYDRAULIC PIN-SLIDE DISC FRONT
- 1 [FL-419-004] DISC BRAKE FRONT ROTORS FOR HYDRAULIC BRAKES
- 1 [FL-423-054] BOSCH HYDRAULIC PIN-SLIDE DISC REAR
- 1 [FL-435-001] TRANSMISSION-MOUNTED PARK BRAKE
- 1 [FL-451-005] REAR DISC BRAKE ROTORS
- 1 [FL-480-009] BENDIX AD-9 AIR DRYER WITH HEATER
- 1 [FL-871-033] NYCLAD HYDRAULIC TUBING W/NYLON & FABRIC/WIRE BRAID AIR LINE
- 1 [FL-882-059] FT OPER PARK BRAKE w/SERVICE BRAKE INTERLOCK w/INDICATOR

CHASSIS EQUIPMENT

- 1 [D800008311] EXHAUST-LS TURNDWN, BELOW BMPR
- 1 [D800600003] ANTI-FREEZE, OAT -34 DEGREE
- 1 [D801200000] SHIELD-EXHAUST PIPE
- 1 [FL-001-310] B2 106 CONVENTIONAL CHASSIS
- 1 [FL-002-004] SET-BACK AXLE - TRUCK
- 1 [FL-110-076] DETROIT ENG MTD FUEL WATER SEPARATOR WIF LIGHT, PUMP
- 1 [FL-155-057] DELCO 12V 29MT STARTER WITH INTEGRATED M
- 1 [FL-170-048] MANIFOLD PLUMBING,COMBINED SHUTOFF DASH&AUX HEATER W/RETURN
- 1 [FL-185-107] NO CLUTCH PEDAL WITH NON-ADJUSTABLE
- 1 [FL-198-025] INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
- 1 [FL-205-010] RIGHT HAND SIDE-FILL FUEL TANK CAP
- 1 [FL-230-003] 100GALLON/378 LITER STEEL RECTANGULAR FUEL TANK,BETWEEN RAIL

- 1 [FL-237-072] HORIZ TAILPIPE, EXIT LH REAR
- 1 [FL-23U-004] 11.5 GALLON DEF TANK
- 1 [FL-31X-998] NO BUMPER FRONT VISUAL WARNING DEVICE
- 1 [FL-341-018] MAGNETIC ENGINE DRAIN, REAR AXLE DRAIN & FILL PLUG
- 1 [FL-35W-001] EXHAUST MITIGATION DEVICE FTL 4" ID SLIP
- 1 [FL-439-024] REAR SHOCKS ABSORBERS - ONE AXLE, SPRING
- 1 [FL-452-998] NO TRACTION STABILIZER
- 1 [FL-460-077] ONE STEEL RESERVOIR BTWN RAILS HYDRAULIC BRAKES
- 1 [FL-477-042] PETCOCK DRAIN VALVES ON ALL AIR TANKS
- 1 [FL-532-001] FIXED STEERING COLUMN
- 1 [FL-536-050] TRW THP-60 POWER STEERING
- 1 [FL-545-657] 6575MM (259") WHEELBASE
- 1 [FL-546-021] 5/16" X 3.00" X 10 1/8" STEEL FRAME (7.94 X 76.5 X 257.2")
- 1 [FL-556-1C1] ONE-PIECE 14" PAINTED STEEL BUMPER
- 1 [FL-558-001] FRONT FRAME-MOUNTED TOW HOOKS
- 1 [FL-576-034] INSTA CHAIN AUTO TIRE CHAINS
- 1 [FL-587-998] NO REAR TOWING DEVICE
- 1 [FL-643-001] STANDARD DUTY HOOD MOUNTING
- 1 [FL-644-004] FIBERGLASS HOOD
- 1 [FL-646-023] HOOD MTD CHROMED PLASTIC GRILLE
- 1 [FL-657-001] ALL LOCKS KEYED THE SAME
- 1 [FL-65X-003] CHROME HOOD MOUNTED AIR INTAKE GRILLE
- 1 [FL-742-007] (2) CUPHOLDERS, LEFT HAND AND RIGHT HAND DASH

ELECTRICAL - CHASSIS

- 1 [FL-124-1F3] LN 12V 240 AMP AVI PAD MOUNT ALTERNATOR
- 1 [FL-148-084] PROG RPM CTRL W A/C OR 12.75V LOW VOLT AUTO HI IDLE, DASH SW
- 1 [FL-160-025] DIAGNOSTIC INTERFACE CONNECTOR,9-PIN, S
- 1 [FL-162-002] IGNITION SWITCH CONTROLLED ENGINE STOP
- 1 [FL-284-095] 12VOLT POWER SUPPLY LH PANEL
- 1 [FL-292-100] (2) ALLIANCE 1031, GROUP 31, 12 VOLT, MF, 1500 CCA BATTERIES
- 1 [FL-293-070] COLE HERSEE BATTERY CUT-OFF SWITCH, BATTERY BOX MOUNTED
- 1 [FL-300-015] STANDARD FRONT TURN SIGNAL LIGHTS
- 1 [FL-304-027] PARK LMP SW INTGRAL W/HL SWITCH, ID/MARKER/CLEARANCE/PARK ON
- 1 [FL-30B-998] NO FENDER MTD TURN/MARK COMBO LPS
- 1 [FL-30E-008] AMBER LED MIDSHIP TURN SIGNALS
- 1 [FL-30F-007] RED LED OVER REAR WHEELS MTD TURN SIGNALS GUARD
- 1 [FL-311-009] DAYTIME RUNNING LIGHTS SET @ 100% & EXTERIOR LAMPS W/ENG RUN
- 1 [FL-312-088] LED HEADLIGHT ASS & INCANDESCENT MARKER/TURN LAMP CHROME
- 1 [FL-318-800] PROVISION FOR UTIL LAMP MTD RH ENT DR W/SPD & DOOR INTLCKS
- 1 [FL-31L-083] STOP SIGN PRESENT
- 1 [FL-322-998] NO BAGGAGE COMPARTMENT LAMP
- 1 [FL-32F-998] NO BODY MTD INT SPOT/WORK LAMP
- 1 [FL-49B-004] ELECTRONIC STABILITY CONTROL
- 1 [FL-608-009] NYLON YARN PROTECTIVE COVERING
- 1 [FL-66W-007] BAT PWD 2-POS INT DOOR CONTROL LS SWITCH PANEL
- 1 [FL-726-002] DUAL ELECTRIC HORNS
- 1 [FL-736-998] NO OBSTACLE DETECTION SYSTEM
- 1 [FL-73H-998] NO CAMERA/VIDEO/IMAGING SYSTEM
- 1 [FL-746-803] C/F J1939 RADIO W/PA
- 1 [FL-763-801] FASTEN SEAT BELT INDICATOR FOR CUSTOMER SUPPLIED SEAT BELT
- 1 [FL-786-1A0] LOCATING SYSTEM WITH VEHICLE MONITORING
- 1 [FL-810-027] ELECTRONIC SPEEDOMETER WITH SECONDARY KPH SCALE, NO ODOMETER
- 1 [FL-811-039] DRIVER MESSAGE CENTER WITH LCD DISPLAY
- 1 [FL-812-022] ELECTRONIC 3500 RPM TACHOMETER
- 1 [FL-813-116] VT-HU CONNECTIVITY PLATFORM HARDWARE & TBB ZONAR DASH MTD
- 1 [FL-814-998] NO INFORMATION CENTER
- 1 [FL-81Y-001] PRE/POST TRIP SYSTEM TEST
- 1 [FL-830-017] ENGINE AND HOUR METERS INTEGRAL WITH DRIVER DISPLAY
- 1 [FL-836-015] DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
- 1 [FL-844-001] ELECTRIC FUEL GAUGE
- 1 [FL-852-002] ELECTRIC ENGINE OIL PRESSURE GAUGE
- 1 [FL-856-001] ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

ENGINE AND EQUIPMENT

- 1 [FL-101-2M4] DD5 5.1L 4 CYL 240HP@2200 RPM,2600 GOV RPM,660 LB/FT@1200 RP
- 1 [FL-103-039] ANTI-FREEZE TO -34F, OAT (NITRITE AND SILICATE FREE)EXT LIFE

- 1 [FL-105-001] ENGINE-MOUNTED OIL CHECK AND FILL
- 1 [FL-107-047] WABCO 20.0 CFM SGL CYLINDER AIR COMPRESSOR
- 1 [FL-111-003] 10W-30 WEIGHT ENGINE OIL
- 1 [FL-118-001] FULL FLOW OIL FILTER
- 1 [FL-122-1H1] DETROIT FUEL/WATER SEPARATOR W/BYPASS
- 1 [FL-128-998] EXHAUST BRAKE NONE
- 1 [FL-138-010] PHILLIPS 750 WATT/115 VOLT BLOCK HEATER
- 1 [FL-140-039] ENGINE HEATER RECEPTACLE MOUNTED FACE OF BUMPER, LEFT SIDE
- 1 [FL-152-069] ENGINE INTEGRAL SHUTDOWN PROT W/OVERRIDE SW,LW COOLANT&LIGHT
- 1 [FL-171-007] GATES BLUE STRIPE COOLANT HOSES
- 1 [FL-172-016] CONSTANT TORQUE BREEZE CLAMPS ON 1" IN DIA GREATER, SS C
- 1 [FL-175-002] 30,600 BTU STEPWELL HEATER, RH FRONT ENTRANCE DOOR
- 1 [FL-266-100] 700 SQUARE INCH ALUMINUM RADIATOR
- 1 [FL-273-059] BORG WARNER ELECTRONIC VISCOUS FAN DRIVE
- 1 [FL-79G-998] NO IDLE SHUTDOWN CONFIGURATION
- 1 [FL-864-022] DIGITAL TRANS OIL TEMP IN DRIVER DISPLAY

TRANSMISSION AND EQUIPMENT

- 1 [FL-342-1MJ] ALLISON 2500 PTS AUTOMATIC TRANSMISSION
- 1 [FL-343-301] ALLISON VOCATIONAL PACKAGE 354 - FIFTH GEN
- 1 [FL-346-001] TRANSMISSION OIL CHECK AND FILL
- 1 [FL-35T-001] SYNTHETIC 50W TRANSMISSION LUBE (TES-295 COMPLIANT)
- 1 [FL-370-015] WATER TO OIL TRANSMISSION COOLER - IN RADIATOR END TANK
- 1 [FL-84C-007] PRIMARY MODE GEARS, 6 FORWARD
- 1 [FL-84L-998] NO TCU-LBSS VAC
- 1 [FL-84U-998] NO MODE SWITCH

WHEELS AND TIRES

- 1 [FL-093-1TU] HANKOOK AH37 10R22.5 14 PLY FRONT TIRES
- 1 [FL-094-1HD] REAR HANKOOK DH01 10R22.5 14 PLY TIRE
- 1 [FL-489-998] NO TIRE PRESSURE CONTROL/SENSOR
- 1 [FL-502-431] ACCURIDE 29001 22.5X7.50, 10-HOLE HUB-PILOTED, 5-HAND
- 1 [FL-505-431] R WH, ACCURIDE 29001 22.5X7.50, 10-HOLE HUB-PILOTED,5-HAND
- 1 [FL-511-164] SP WH, ACCURIDE 29001 22.5X7.5,10-HOLE HUB-PILOTED,4-HAND
- 1 [FL-52M-003] TIRE/WHEEL BALANCING-LEAD FREE WEIGHTS
- 1 [FL-962-976] ACCURIDE PK-BLACK21 POWDER BLACK WHEEL (N0001H)- FRONT
- 1 [FL-966-976] ACCURIDE PKBLK21 POWDER BLACK WHEEL (N0001H) - REAR
- 1 [FL-96F-976] ACCURIDE PKBLK21 POWDER BLACK WHEELS (N0001H) - SPARE

**DEALER ADD On's
EQUIPMENT**

- 1 UPGRADES- TRAVEL AND ELECTRICAL

Meets all FMVSS requirements in effect at the time of manufacture.

Total for 1 complete unit(s):
Delivery Cost:

\$ 115,949.85
Quote Available Upon Request

Additional options you may want to consider:
[ADDITIONAL EQUIPMENT]

\$ [COST]

Terms and Conditions:

Quote Expires: 11/9/2019

Customer Signature: _____ **Date:** _____

Dealer Signature: _____ **Date:** _____

AttachedDetail

Optional Equipment - Body:

1 [A000000058] DECAL-UNITED AUTO WORKERS
1 [A000000115] LIST-INSPECTION, CUSTOMER ALASKA
1 [A000000117] ALIGNMENT-4-WHEEL SAF-T-LINER C2
1 [A000000164] ALERT-ENHANCED STABILITY CONTROL
1 [A200100000] PDI IDENTIFIER-DEALER PERFORMED
1 [A201400001] 2014 SEATING ALERT
1 [B610000095] BELT-ELR SHOULDER/PUSH BUTTON LAP
1 [B640139200] 39" BARR-VERT,WALL MT 45"H RS 2009
1 [B640239000] 39"8DEG BARR-REV. WALL-MT 45"H 2009
2 [B660019121] SPANISH GRAY UPHOLSTERY-45"HIGH RECESSED BARRIER
1 [D100200002] LOGO-FRT RS & RR
1 [D100300001] LOGO-OMIT THOMAS DECALS
1 [D100400005] LETTERING-STOP ON FLASHING RED
1 [D100500000] LETTERING-"BATTERY" ON DOOR 2"
4 [D100600000] LABEL-P/O WDO EMER EXIT 2" RED
1 [D101502003] LABEL-ENGLISH AG2.ELEC.ENT DR
1 [D102200002] REFLECTTAPE-RR END YEL 2"
4 [D102500000] REFLECTTAPE-P/O WDO YEL
1 [D102901000] REFLECTIVE TAPE-EMERGENCY DOOR REAR YELLOW
1 [D103400311] REFLECTTAPE-SIDE 2" @ FLR YEL
1 [D103900000] FIRE EXTINGUISHER-5 3A-40BC
1 [D105400001] FAN-CIRC MID W/S HDR BLACK
1 [D105500001] ELEC-FAN MID W/S HDR
1 [D105600000] FAN-CIRC DRV'S WDO HDR BLACK
1 [D105700000] ELECTRICAL-FAN DRIVER'S WINDOW HEADER
1 [D106104000] LOC-1ST.SEAT DRVRSIDE REFL TRIANGLE
1 [D106500000] VISOR-WINDSHIELD SUN 6"X30" TINTED
1 [D106902001] RADIO-AM/FM DEA510
1 [D107000000] REFLECTORS-AMBER(2) MID BDY 3"
1 [D107100000] REFLECTORS-RED (4) RR/RR SI 3"
1 [D107300002] HATCH-RF ESC MODEL 1100 ENG(2)
1 [D107700003] ELECTRICAL-ROOF ESCAPE HATCH POS 3
1 [D108200008] ELECTRICAL-ROOF ESCAPE HATCH POSITION 8
1 [D108700000] HANDLES-W/S SERVICE, PAINTED
1 [D108800002] FLAPS-MUD, REAR 22.5"W
1 [D108900001] FLAPS-MUD, FRONT 16"W X 12"H
1 [D109300000] ARM ASSEMBLY-WINDSHIELD WIPER (2)
1 [D110024ALK] KIT,FIRST AID 24 UNIT ALASKA.
1 [D110100000] KIT - BODY FLUID CLEAN-UP NATIONAL STANDARDS
1 [D110200000] ELECTRICAL-ROOF HATCH OR P/O WINDOW (DASH)
1 [D110500000] STEPS-EXT W/S SERVICE
1 [D110800000] OPER-FAN W/S HDR
1 [D110900000] OPER-FAN DRV'S WDO HDR
1 [D111000000] OPER-ALARM BACKING W/REV.
1 [D112400012] AIR COND - NONE
1 [D113200000] OPER-RF HATCH BUZZER
1 [D115000003] OPER-AUTOMATIC FAST IDLE
1 [D116100009] LOC-VEST,FLR,PLT,RIGHT 5LB F.E.
1 [D119501002] LOC-VEST.FLR.PLT.RT.BFC,24 FAK
1 [D119700001] AC DUCT-NOT PRESENT NO SIDE EVAP
1 [D122201000] CUTTER-SEAT BELT W/HAND GRIP
1 [D122400000] TRIANGLES-REFL. 3 W/BOX
1 [D123000002] DOOR-STORAGE BOX W/O GLASS
1 [D123300000] CONDENSER ALERT - NONE
1 [D123400000] EVAPORATOR QTY - NONE
1 [D123800000] ANTENNA - RADIO SWIVEL BASE
1 [D124000000] ELEC-ANTENNA RADIO COAXIAL
1 [D124100000] KIT-RADIO ANTENNA MOUNTING @ DRIVER'S HEADER
1 [D125200000] MANUAL-DRVR'S/MAINT.ENGLISH
1 [D126600000] LETTERING-ARROW EXTERIOR RR EMG DR BLK
1 [D127400000] DECAL-BACKING ALARM
1 [D130200000] DECAL-LOW SULFUR FUEL
1 [D130706000] ELEC-ZONAR STANDARD MONITORING
1 [D132200000] LABEL-RR DR EMERGENCY DOOR DO NOT BLOCK
1 [D133300005] TRIM-LOWER REAR HEATER NO A/C
1 [D134200000] LABEL-RR EMERGENCY DOOR INSTRUCTION
1 [D134600000] LABEL-"DEF ONLY"

1 [D134901000] LABEL-REGENERATION WARNING 2010/2013 EPA ENGLISH
1 [D200000700] 311T30_N
1 [D200100000] TRIM-A POST
1 [D200200002] FENDER-QUARTER 24" BATTERY BOX DOOR
1 [D200301005] STEP-RS ALUM.ENT.DR 8.75"RISER
1 [D200600000] BODY ADJUSTMENT-FREIGHTLINER, BTR RS FUEL FILL LOCATION
1 [D200700000] WHEELHOUSES-REAR L&R
1 [D200800311] STRINGER-ROOF 311T
1 [D201000000] FRONT END FRAME
1 [D201100000] FRT END FRAME MTG KIT
1 [D201200000] REAR END FRAME-28.68"DEEP
1 [D201300311] FLOOR-GALVALUME STEEL MID BODY
1 [D201400704] LOC-40" RAF SP 10TH 311T
1 [D201500000] RS TANK ALERT - NONE
1 [D201600000] APPLICATION - SCHOOL
1 [D201900003] REINFORCEMENT-FRAME STD 24" BATTERY BOX DOOR
1 [D202600000] CAP-ENTRANCE DOOR STANDARD
1 [D202800001] FLOOR-NON ADA
1 [D300100001] HANDLE-INT RR DR BLACK
1 [D300300000] HANDLE-EXTERIOR REAR DOOR WITH RECESS
1 [D300601002] DOOR-ACC SOLID PANEL
1 [D300700000] DOOR ALERT - LS ENT NONE
1 [D300800000] LATCH-DOOR INTERIOR STORAGE OVER WINDSHIELD
1 [D301100001] ELEC-PWR CELL PHONE OUTLET LS
1 [D301400000] TRIM-REAR DOOR
1 [D302001000] VANDALOCK-NONE REQUIRED
1 [D302304003] DOOR-ENT AG2 STORM TEMP LO STEP
1 [D302403000] PWR SYST.-AG2 ELECTRIC ENTRANCE DOOR
1 [D302502000] ELEC-AG2 ELECTRICAL OPERATED ENTRANCE DOOR
1 [D302800000] HINGES-REAR DOOR PIN TYPE
1 [D302900000] LATCH-SINGLE-POINT, REAR EMERGENCY DOOR
1 [D303000000] STOP-DOOR REAR EMERGENCY, 1-POS
1 [D303100004] OPER-DOOR ELEC.ENT.W/ BAT.
1 [D303916000] RELEASE-NONE
1 [D304000000] PULL-ENTRANCE DOOR, NONE REQD
1 [D306400000] OPER-DR.RR.EMG.W/BUZ
1 [D306500700] ELEC-EMERGENCY/EXIT DOOR(S)
1 [D307100000] DOOR-LS ENT RS EXIT -NONE REQD
1 [D307700000] INT COLOR -RR DOOR GRAY
1 [D308101000] VANDALOCK-NONE REQUIRED RS
1 [D308201000] VANDALOCK-NONE REQUIRED LS
1 [D308300000] DOOR ALERT - RS EXIT NONE
1 [D308600000] SWITCH-PAD. SERV. DOOR ELEC.
1 [D309001001] LATCH-DR INT STOR OVR DRVRSHDR
1 [D309200000] DOOR, REAR EMERGENCY
1 [D310501000] THRESHOLD REAR EMGERGENCY DOOR
1 [D311500000] KEY-VANDALOCK REAR DOOR NONE
1 [D311900000] TRIM-ENTRANCE DOOR INTERIOR
1 [D400200001] MONITOR-LPS WARN NONE
1 [D400703311] LPS-DOME PASS MEDIUM () 311T
1 [D400804311] ELEC-PASS DOME LPS MEDIUM 311T
1 [D400900001] SWITCH-RKR DOME LPS ALL
1 [D401000001] MODULE-PWR.DIST.ELEC.SYS.
1 [D402200000] LAMP-EXTERIOR AND AFT OF ENT DOOR
1 [D402300001] ELEC-LPS EXT AFT OF ENT DOOR
1 [D402400003] OPERATION-STEPWELL LAMPS WITH IGNITION/DOME SWITCH(S)
1 [D402500000] LAMPS-STEPWELL WITHOUT HOOD (1)
1 [D402800003] LPS-STOP/TAIL/DIR AMBER/REV
1 [D402904311] ELEC-LPS STOP/TAIL/TURN/REV
1 [D403700000] SWITCH-RKR FAN DEFROST L.S.
1 [D404100001] BUZZER-SWITCH PANEL 1 TONE
1 [D404300001] ELEC-PWR, GND, NETWORK, BUZZ
1 [D404608311] ELECTRICAL-LAMPS WARNING,8 LAMPS 311T
1 [D405400001] OPER-LPS, DOME STANDARD
1 [D405800000] OPER-LPS BODY TAIL W/PARK SW.
1 [D405900000] LAMPS-LICENSE PLATE ILLUMINATION
1 [D406004000] LPS-SI DIR AMBER FRT. LED PIN
1 [D406109311] ELEC-LPS SI DIRECTIONAL
1 [D406210008] LPS-WARNING HALOGEN (8)

1 [D406601016] OPERATION-LAMPS WARNING (8) PACKAGE 16
1 [D406700000] OPERATION-LAMPS REVERSE WITH REAR EMERGENCY DOOR OPEN
1 [D406900006] LPS-ID AMB/RED LED
1 [D407004000] LPS-MKR ROOF FRT/RR LED PIN
1 [D407104000] LPS-MKR ROOF MID LED PIN
1 [D407500311] ELEC-LPS ID/MKR PARK/SW.311T
1 [D408300003] STROBE-CLR 4.9"H 4' FROM REAR
1 [D408602311] ELECTRICAL-LAMPS STROBE 4' FROM REAR
1 [D408901000] LPS- STOP/TAIL 4" FLS.MT L.E.D.
1 [D409000000] SWITCH-ROCKER FAN DEFROST WINDSHIELD
1 [D410400000] OPER-HTR BOOSTER PUMP OPER WITH SWITCH
1 [D410501000] OPERATION-LAMPS INTERIOR/EXTERIOR RIGHT FRONT ENTRANCE DOOR
1 [D410600000] OPER-LPS SERVICE BRAKE
1 [D410804002] LPS-SI DIR AMB LED PIN RR.AXLE
1 [D410900005] OPERATION-SWITCH ID/MARKER LAMPS WITH PARK
1 [D411000000] SWITCH-ROCKER STROBE LAMPS
1 [D411400001] OPER-LPS DOME (1)ON/OFF
1 [D411700000] OPER-LPS REVERSE
1 [D411900002] ELEC-(2) SWITCH BANKS
1 [D412200000] LAMPS-PILOT WARNING LIGHTS RED
1 [D412300000] LAMPS-PILOT WARNING LIGHTS AMBER
1 [D412400000] CHIME-WARNING LPS
1 [D412700001] SWITCH-RKR.WARN LPS MASTER
1 [D412900001] SWITCH-ROCKER WARNING LAMPS RED/AMBER ACTIVATION
1 [D413807000] OPERATION-LAMP STROBE, IGNITION & SWITCH ACTIVATED
1 [D414500311] ELEC-HARNESS COMP ASM 311T
1 [D414600000] ELEC-ELECTRONIC COMP ASM
1 [D414700002] ELEC-CABLE PRIM PWR & GND-CUSTOMER ACCESS
1 [D414900000] OPER-LPS DIR./HAZ.
1 [D415900001] ELEC-CHIME WARNING LPS
1 [D416100000] OPERATION-LAMPS SIDE DIRECT.ONLY
1 [D416400000] BLOCK-FUSE CUSTOMER ACCESS
1 [D418600002] OPER-PRE-TRIP INSPECTION
1 [D418900000] LPS-EXT, OVER RS ENT DR
1 [D419000000] OPER-LPS EXT, OVER RS ENT DR
1 [D419100000] ELEC-LPS EXT, OVER RS ENT DR
1 [D419601001] ELEC-SEAT BELT PILOT LAMP
1 [D419700001] OPER-SEAT BELT PILOT LAMP
1 [D419900000] LAYOUT-ROCKER SWITCH STANDARD
1 [D420300000] CIRCUITRY-MULTIPLEX PRESENT
1 [D500003008] MIR-A OPEN-VIEW HTD BLK.BRKT
1 [D500100000] SWITCH-RKR MIRROR HTR.
1 [D500200000] ELEC-MIR A HTD
1 [D500300000] MIRROR-SYSTEM B EXTERIOR CROSSVIEW BLACK BRACKET
1 [D500605010] SIGN-STOP, ELEC FRT #SE1-7500C
1 [D500801007] ELEC-ELECTRIC STOP SIGN FRONT DEFENDER
1 [D501400311] RAIL-EXTERIOR GUARD @ WINDOW,SEAT,FLOOR,SKIRT
1 [D501500000] RAIL-EXT GRD @ SEAT FRT END LS
1 [D501901000] RAIL-EXT GRD@ FLOOR, NONE
1 [D502513000] PAINT-EXT HNDL(S) BLACK
1 [D502600000] BUMPER-REAR 2 BRACES NO EXHAUST HOLE
1 [D502800000] TRIM-FRT CAP RS/LS
1 [D502900004] SKT.FWD.STPWLL LO DEF
1 [D503104001] DECAL-REFL FRT CAP "SCHOOL BUS"
1 [D503204001] DECAL-REFL RR CAP "SCHOOL BUS"
1 [D503302000] CAP-FRT ROOF VENT W/WARN.LPS.
1 [D503402000] CAP-REAR ROOF W/WARN.LPS.
1 [D503500000] PANELS-EXTERIOR REAR
1 [D503600000] SHEET-DRIVERS EXTERIOR 20 GA.
1 [D503700700] SHEET-UPPER SIDE EXTERIOR
1 [D503902311] GUSSET-21"H LWR SIDE SHEET
1 [D504006311] SHEET-LWR, L MID 20G,21"
1 [D504106311] SHEET-LWR,L RR 20G,21"
1 [D504206311] SHEET-LWR,R MID 20G,21"
1 [D504306311] SHEET-LWR,R RR 20G,21"
1 [D504500003] DOOR-U/B L BATTERY 24"
1 [D504600000] OPER-MIRRORS EXT HTD.
1 [D505300311] UNDERCOATING-ASPHALT EMULSION
1 [D505500001] DECAL-"DIESEL"

1 [D505600000] DOOR-FUEL FILL ACCESS BTR
1 [D505700021] FENDERETTE-STL 21" SKIRT
1 [D505800704] HEADERS-WINDOW INTERIOR 311T
1 [D5061SC311] PAINT-EXT WDO AREA SAME AS BODY
1 [D506347000] PAINT-EXT GRD RAIL @ WINDOW BLACK
1 [D506447000] PAINT-EXT GRD RAIL @ SEAT BLACK
1 [D506547000] PAINT-EXT GRD RAIL @ FLOOR BLACK
1 [D506647000] PAINT-EXT GRD RAIL @ SKRT BLACK
1 [D506747001] PAINT-EXT BUMPER REAR BLACK
1 [D506800001] PAINT-EXT ENT DOOR NONE
1 [D506900000] PAINT-BLACK TRIM-FRONT/REAR ROOF CAPS
1 [D507001001] PANELS-EXTERIOR REAR SIDE LONG W/STATIONARY GLASS
1 [D507100000] LS STORAGE BOX 1 - NONE
1 [D507300000] LS STORAGE BOX 2 - NONE
1 [D507400002] LATCH-BATT DOOR NON-LOCKING
1 [D507600000] LATCH-FUEL FILL ACCESS (THUMB)
1 [D508100081] ROOF SHEETS-(2)HATCH - 311T
1 [D508200000] RS STORAGE BOX 1 - NONE
1 [D508300000] RS STORAGE BOX 2 - NONE
1 [D508400000] RS STORAGE BOX ROH - NONE
1 [D508500000] LS STORAGE BOX ROH - NONE
1 [D510646311] PAINT-SOLID COLOR YELLOW
1 [D510800001] BTR FUEL FILL RECESS, W/DOOR
1 [D510900000] VENT-STATIC PRESENT
1 [D511501700] PILASTER - 311T, 700
1 [D511800000] LATCH-NON-LOCKING DEF ACCESS DOOR
1 [D512900000] RAIL-SNOW RAIL PRESENT
1 [D515100311] HARDWARE-MOUNTING CLIPS STANDARD
1 [D515400000] DECAL-APPROVED FUEL TYPE
1 [D600100000] PANELS-REAR END INTERIOR REAR GALVALUME
1 [D600201000] PANELS-RR END INT SI LONG W/ST
1 [D600300000] BULKHEAD-RR END INT.GRY
1 [D600400000] PANELS-ACCESS RR BULKHEAD GRAY
1 [D600500311] COVER-HARNESS ACCESS@HDR
1 [D600600000] COVER-ACCESS RR END HARNESS
1 [D600700000] COVER-ACCESS FRT END HARNESS
1 [D600801001] COVER-TRIM DRVS HDR W/STORAGE
1 [D600901000] COVER-TRIM FRT END W/S HEADER
1 [D601003002] COVER-TRIM FRT ENT.ALUM.DR HDR.ELEC.OP.
1 [D601100001] HEADLINING-VESTIBULE SMOOTH, VENT, GRAY, NO LAMPS
1 [D601200001] HEADLINING-REAR LONG SMOOTH, GRAY
1 [D601402311] STRIPS-AISLE, GALVALUME 311T
1 [D601508311] FLR-BLK VINYL W/13" CTR AISLE 311T
1 [D601600006] FLR-BLK WHEELHOUSE AND HEATER
1 [D601703311] FLOOR-PLYWOOD 1/2" 311T
1 [D601800001] COVER-FUEL SENDING INSPECTION
1 [D601900311] MOLDING-SHOE 311T
1 [D602001311] SPEAKERS-INT. 30 WAT.(6) 311T
1 [D602102311] ELEC- (6) INT SPEAKERS 311T
1 [D602200000] MIRROR-INTERIOR 6"X30" WITH RUBBER EDGE
1 [D602300023] LABEL(S)-SPECIAL DATA, ALASKA
1 [D602400000] LABEL-VEHICLE CERTIFICATION
1 [D603000000] PAD-DR HEADER, RR EMER 36"W
1 [D603704084] HEATER-UNDERSEAT LEFT SIDE 84,000 BTU LOCATION 4
1 [D604310084] HTR-U/S LS 84,000 BTU LOC 10
1 [D6047101BS] HOSE-HTR BLUSTRIP W/ W/H POS 10
1 [D604801000] HTR-ENT DOOR STEPWELL (DUCTED, UNDERSEAT)
1 [D604901002] HOSE-STEPWELL HEATER BLUSTRIP
1 [D605000000] SWITCH-ROCKER HEATER STEPWELL
1 [D605200001] CLAMPS-PLUMBING HEATER CONSTANT TORQUE
1 [D605301000] CLAMPS-UNDERSEAT HEATER CONSTANT TORQUE
1 [D605600000] LUGGAGE RACK ALERT - NONE
1 [D605810002] CONN-HTR(1) CONST TORQ/BLUSTRIP
1 [D605900000] SWITCH-ROCKER HEATER LEFT 1ST
1 [D606000000] SWITCH-ROCKER HEATER LEFT 2ND
1 [D606500004] ELEC-HTR U/ SEAT POS 4
1 [D607100010] ELECTRICAL-HEATER UNDERSEAT POSITION 10
1 [D607600700] RAIL-SEAT
1 [D607700000] LAYOUT-SEAT RAIL HOLES RS

1 [D607800000] LAYOUT-SEAT RAIL HOLES LS
1 [D607904700] LINING-SIDE INT.
1 [D608100000] CABINET-SW, FWD
1 [D608200000] CABINET-SWITCH, LOWER WITHOUT POCKET
1 [D608300000] CABINET-SWITCH, UPPER
1 [D608400000] CABINET-TOP PLATE (2 BANKS)
1 [D608501000] TREAD-STEP ALUMINUM ENTRANCE DOOR BLACK
1 [D608600000] TRIM-STEPWELL HORIZONTAL WITH DIAMONETTE NOSE
1 [D609000000] OPER-HTR U/ SEAT LS FWD
1 [D609200000] OPER-HTR STEPWELL
1 [D609500000] INSULATION-VEST HEADLINING 2"
1 [D609600700] INSULATION-SIDELINING 2" POLY
1 [D609700000] SWITCH-RKR HTR BOOST PUMP
1 [D609800000] INSULATION-RR BULKHEAD 2" POLY
1 [D609900000] INSULATION-FRONT BULKHEAD 2"POLYESTER
1 [D610000000] OPER-HTR U/ SEAT LS AFT
1 [D610339002] RAIL-ASSIST FRT ENT DR 39"W
1 [D610405311] H/L-PASS AREA SMOOTH GREY 311T
1 [D610500311] HEADERS-WINDOW EXTERIOR 311T
1 [D610600311] INSULATION - RAFTER CAVITY 311T
1 [D613100000] HARNESS COVER COLOR - GRAY
1 [D613200001] SPEAKER ALERT - PRESENT
1 [D613400002] DOME LPS - MEDIUM
1 [D613500000] HEADLINING COLOR - GREY
1 [D613600000] HEADLINING TYPE - ALL SMOOTH
1 [D613800000] MAT, FLOOR VESTIBULE
1 [D614000000] TRIM-INTERIOR DASH FORWARD
1 [D616100000] INSTALLATION-PARK BRAKE ASSEMBLY
1 [D616900002] INSULATION-INT LONG REAR WDO
1 [D617100000] LUGGAGE RACK ALERT - NONE
1 [D617200000] PLATE-ACCELERATOR
1 [D619600000] ELEC-HTR ENT DOOR STEPWELL
1 [D700000001] GLASS-WINDSHIELD ONE PIECE WITH TINTED BAND
1 [D700101000] GLASS-RS FRT STAT CLR TEMP
1 [D700201000] GLASS-LS FRT STAT CLR TEMP
1 [D700300000] GLASS-REAR STAT CLEAR TEMPERED
1 [D700400000] GLASS-RR SIDE STAT CLEAR TEMP
1 [D700500000] FRAME-WDO SPLIT
13 [D700530000] FRAME-WDO SPLIT 30"W
2 [D700540000] FRAME-WDO SPLIT 40"W
2 [D700600L00] WDO P/O VERT TEMP CLR LS
2 [D700600R00] WDO P/O VERT TEMP CLR RS
13 [D700730000] GLASS-WDO CLEAR TEMP 30"
2 [D700740000] GLASS-WDO CLEAR TEMP 40"
1 [D700830R00] GLASS-WDO STORM TEMP 30" R
1 [D700900003] STOPS-WDO 12"
1 [D701200000] GLS-LWR RR DR TEMP CLR
1 [D701300000] GLS-UPR RR DR TEMP CLR
1 [D701500000] OPER-WDO P/O
1 [D701600010] WDO-DRIVER'S STORM TEMP
1 [D800008311] EXHAUST-LS TURNDWN, BELOW BMPR
1 [D800600003] ANTI-FREEZE, OAT -34 DEGREE
1 [D801000000] TUBE-FILL BTR & OVERFLOW HOSE
1 [D801100000] CAP-FUEL FILL BTR NON-LOCKING
1 [D801200000] SHIELD-EXHAUST PIPE
1 [D900104000] BACK-NATIONAL DRV'S SEAT
1 [D900302003] ARMREST NATIONAL DRVR'S ST. RS
1 [D900403000] UPH DR.ST.WOLF BLK NATIONAL
1 [D900503002] PEDASTAL-DR ST MECH TYPE
1 [D900602001] COVER PEDASTAL NATIONAL NONE
1 [D900702001] SLIDE STOP NATIONAL DR.ST. NONE
1 [D900802001] RETAINER NATIONAL DR.ST.BELT NONE
1 [D900902001] POUCH-DR.ST.STORAGE NONE
1 [D901039001] KICKPLATE-MOD.PANEL RS 39" HEATER
1 [D901139000] KICKPLATE-MOD.PANEL LS 39"
1 [D901200002] RISER-DRIVERS SEAT, NATIONAL
1 [D901700001] Haptics-Not Present
11 [D930039000] S3B 39"RS WALL MT RESTRAINING/NO BELT
11 [D930139000] S3B 39"LS WALL MT RESTRAINING/NO BELT

24 [D930419166] 42 OZ GRAY UPHOLSTERY - S3B SEAT
1 [D930830000] S3B 30"RS THIN WALL RESTRAINING/NO BELT
1 [D930930000] S3B 30"LS THIN WALL RESTRAINING/NO BELT
24 [D939201000] S3B WALL MT HARDWARE-RESTRAINT

Optional Equipment - Chassis:

- 1 [FL-018-003] BOSCH HYDRAULIC BRAKE PACKAGE WITH OPTIONAL AIR SUPPLY
- 1 [FL-065-196] PAINT:ONE SOLID COLOR,BASE/CLEARCOAT
- 1 [FL-124-1F3] LN 12V 240 AMP AVI PAD MOUNT ALTERNATOR
- 1 [FL-128-998] EXHAUST BRAKE NONE
- 1 [FL-138-010] PHILLIPS 750 WATT/115 VOLT BLOCK HEATER
- 1 [FL-140-039] ENGINE HEATER RECEPTACLE MOUNTED FACE OF BUMPER, LEFT SIDE
- 1 [FL-141-998] NO COOLANT HEATER - GAS/DIESEL
- 1 [FL-148-084] PROG RPM CTRL W A/C OR 12.75V LOW VOLT AUTO HI IDLE, DASH SW
- 1 [FL-155-057] DELCO 12V 29MT STARTER WITH INTEGRATED M
- 1 [FL-160-025] DIAGNOSTIC INTERFACE CONNECTOR,9-PIN, S
- 1 [FL-162-002] IGNITION SWITCH CONTROLLED ENGINE STOP
- 1 [FL-170-048] MANIFOLD PLUMBING,COMBINED SHUTOFF DASH&AUX HEATER W/RETURN
- 1 [FL-171-007] GATES BLUE STRIPE COOLANT HOSES
- 1 [FL-172-016] CONSTANT TORQUE BREEZE CLAMPS ON 1 IN DIA GREATER, SS C
- 1 [FL-230-003] 100GALLON/378 LITER STEEL RECTANGULAR FUEL TANK,BETWEEN RAIL
- 1 [FL-23U-004] 11.5 GALLON DEF TANK
- 1 [FL-284-095] 12VOLT POWER SUPPLY LH PANEL
- 1 [FL-292-100] (2) ALLIANCE 1031, GROUP 31, 12 VOLT, MF, 1500 CCA BATTERIES
- 1 [FL-293-070] COLE HERSEE BATTERY CUT-OFF SWITCH, BATTERY BOX MOUNTED
- 1 [FL-311-009] DAYTIME RUNNING LIGHTS SET @ 100% & EXTERIOR LAMPS W/ENG RUN
- 1 [FL-318-800] PROVISION FOR UTIL LAMP MTD RH ENT DR W/SPD & DOOR INTLCKS
- 1 [FL-31L-083] STOP SIGN PRESENT
- 1 [FL-342-1MJ] ALLISON 2500 PTS AUTOMATIC TRANSMISSION
- 1 [FL-343-301] ALLISON VOCATIONAL PACKAGE 354 - FIFTH GEN
- 1 [FL-35T-001] SYNTHETIC 50W TRANSMISSION LUBE (TES-295 COMPLIANT)
- 1 [FL-386-055] SPL100 DANA SPICER MAIN DRIVELINE
- 1 [FL-400-1A6] DA-F-12-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
- 1 [FL-402-054] BOSCH HYDRAULIC PIN-SLIDE DISC FRONT
- 1 [FL-409-002] CHICAGO RAWHIDE FRONT OIL SEALS
- 1 [FL-40T-002] SYNTHETIC 75W-90 FRONT AXLE LUBE
- 1 [FL-418-030] CONMET IRON FRONT HUBS
- 1 [FL-419-004] DISC BRAKE FRONT ROTORS FOR HYDRAULIC BRAKES
- 1 [FL-41T-002] SYNTHETIC 75W-90 REAR AXLE LUBE
- 1 [FL-420-1GK] DA-RS-23-4 23,000# R-SRS SINGLE REAR AXLE
- 1 [FL-421-522] 5.22 AXLE RATIO
- 1 [FL-423-054] BOSCH HYDRAULIC PIN-SLIDE DISC REAR
- 1 [FL-435-001] TRANSMISSION-MOUNTED PARK BRAKE
- 1 [FL-439-024] REAR SHOCKS ABSORBERS - ONE AXLE, SPRING
- 1 [FL-440-001] CHICAGO RAWHIDE (SCOT) REAR OIL SEALS
- 1 [FL-452-998] NO TRACTION STABILIZER
- 1 [FL-460-077] ONE STEEL RESERVOIR BTWN RAILS HYDRAULIC BRAKES
- 1 [FL-477-042] PETCOCK DRAIN VALVES ON ALL AIR TANKS
- 1 [FL-480-009] BENDIX AD-9 AIR DRYER WITH HEATER
- 1 [FL-502-431] ACCURIDE 29001 22.5X7.50, 10-HOLE HUB-PILOTED, 5-HAND
- 1 [FL-505-431] R WH, ACCURIDE 29001 22.5X7.50, 10-HOLE HUB-PILOTED,5-HAND
- 1 [FL-511-164] SP WH, ACCURIDE 29001 22.5X7.5,10-HOLE HUB-PILOTED,4-HAND
- 1 [FL-52M-003] TIRE/WHEEL BALANCING-LEAD FREE WEIGHTS
- 1 [FL-532-001] FIXED STEERING COLUMN
- 1 [FL-545-657] 6575MM (259) WHEELBASE
- 1 [FL-546-021] 5/16 X 3.00 X 10 1/8 STEEL FRAME (7.94 X 76.5 X 257.2)
- 1 [FL-558-001] FRONT FRAME-MOUNTED TOW HOOKS
- 1 [FL-576-034] INSTA CHAIN AUTO TIRE CHAINS
- 1 [FL-608-009] NYLON YARN PROTECTIVE COVERING
- 1 [FL-620-062] 10,000 LB. TAPERLEAF FRONT SUSPENSION
- 1 [FL-646-023] HOOD MTD CHROMED PLASTIC GRILLE
- 1 [FL-65X-003] CHROME HOOD MOUNTED AIR INTAKE GRILLE
- 1 [FL-66W-007] BAT PWD 2-POS INT DOOR CONTROL LS SWITCH PANEL
- 1 [FL-721-029] 112DB BACKUP ALARM
- 1 [FL-742-007] (2) CUPHOLDERS, LEFT HAND AND RIGHT HAND DASH
- 1 [FL-763-801] FASTEN SEAT BELT INDICATOR FOR CUSTOMER SUPPLIED SEAT BELT
- 1 [FL-786-1A0] LOCATING SYSTEM WITH VEHICLE MONITORING
- 1 [FL-79A-070] 70 MPH ROAD SPEED LIMIT
- 1 [FL-810-027] ELECTRONIC SPEEDOMETER WITH SECONDARY KPH SCALE, NO ODOMETER
- 1 [FL-811-039] DRIVER MESSAGE CENTER WITH LCD DISPLAY
- 1 [FL-81Y-001] PRE/POST TRIP SYSTEM TEST
- 1 [FL-84C-007] PRIMARY MODE GEARS, 6 FORWARD
- 1 [FL-84U-998] NO MODE SWITCH

- 1 [FL-864-022] DIGITAL TRANS OIL TEMP IN DRIVER DISPLAY
- 1 [FL-871-033] NYCLAD HYDRAULIC TUBING W/NYLON & FABRIC/WIRE BRAID AIR LINE
- 1 [FL-96F-976] ACCURIDE PKBLK21 POWDER BLACK WHEELS (N0001H) - SPARE
- 1 [FL-980-6MJ] CAB COLOR A:L5898EB SCHOOL BUS YELLOW ELITE BC