

# BID REJECTION FORM

Bid number: 50-00121992

Vendor Name: New Flyer of America Inc

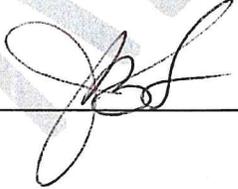
Reasons for

Rejection: Bid rejected for failure to submit a corporate resolution or  
written evidence of the individual signing the bid having such  
authority. Bid also rejected for not submitting seating layout and  
Appendix D - Lobbying.

REVIEWED BY:

Buyer Name: Melissa Ovalle

Date: 4/2/2018

Chief Buyer: 

Date: 4/2/18



**Proposal for Jefferson Parish, Bid  
Number 50-00121992, to Furnish and  
Deliver Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.**



**NEW FLYER OF AMERICA**

**ORIGINAL**



NEW FLYER OF AMERICA

March 19th, 2018

Melissa Ovalle  
BID Number 50-00121992  
Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053

**Subject: Bid Number 50-001210992, Proposal to furnish and deliver of 10 (10) each 35' and /or 40' heavy duty transit buses with an option to purchase up to and additional thirty (30) within five (5) years for the Jefferson Parish Department of Transit Administration.**

Dear Ms. Ovalle,

New Flyer of America Inc. (New Flyer) is pleased to submit a proposal in response to Jefferson Parish, Bid Number 50-00121992. This proposal is to furnish and deliver of ten (10) each 35' and / or 40' heavy duty transit buses with an additional thirty (30) within five (5) years for the Jefferson Parish Department of Transit Administration.

The New Flyer of America team would like to highlight key elements of our proposal:

**Warranty:** New Flyer exceeds industry standard warranties in many areas, such as the 5 year / 300,000 miles warranty for axle (industry standard is 2 years), and 12 year / 500,000 miles on chassis structure. Please refer to section 8 for information regarding our warranty proposal.

**Training, Spare Parts, Tooling and Diagnostics:** New Flyer Institute is a service offered by New Flyer Training department. As the leading manufacturer of heavy-duty transit buses in the United States and Canada, we have access to top design, engineering, propulsion technology and electrical systems professionals. Along with being a leading manufacturer, New Flyer is also the industry leader in aftermarket parts distribution and support with the NFI Parts facility located in Louisville, Kentucky. This enables us to offer service and expertise to maximize lifetime value of LAWA's needs. Please refer to section 10 of our proposal for details.

**Publications:** Through the NFI Parts division, New Flyer Publications combines extensive, hands-on technical experience with exceptional content development skills to deliver the best maintenance manuals and ongoing support available in the industry. Supplying timely and accurate information, and assisting you with proper bus maintenance will build on the reliability and lifetime value of every New Flyer bus on the road. Please refer to section 9 of our proposal for details.

**Delivery Proposal:** New Flyer is proposing complete delivery of the first order of 10 buses by the end of Q2, 2019 based on receipt of Notice to Proceed within 45 days of this submission. The bid submission date is March 20<sup>th</sup>, 2018.

**Payment Terms:** Terms and conditions are Net 30 days and 15 days for acceptance.

Built to **RELY ON.**

We also look forward to continued growth as we partner with exceptional transit leaders such as Jefferson Parish.

During the procurement process, please direct all inquiries to:

Ryan Childe – Technical Sales Manager  
New Flyer of America Inc.  
6200 Glenn Carlson Drive  
St. Cloud, MN, 56301  
Work: (204) 224-6482  
Email: [Ryan\\_Childe@newflyer.com](mailto:Ryan_Childe@newflyer.com)

We appreciate the opportunity to submit our proposal and look forward to your positive response.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Childe', with a long horizontal line extending to the right.

New Flyer of America  
Ryan Childe  
Technical Sales Manager



NEW FLYER OF AMERICA

The City of Jefferson Parish  
 Bid number 50-00121992  
 Manufacture, Supply and Delivery of Ten (10)  
 35' and/or 40' Heavy Duty  
 Transit Buses with Additional Options for  
 Thirty (30) within 5 years.

Section Tab	Title	Bid Submission Requirements
	Table of Contents	Table of Contents
	Cover Letter	Cover Letter
<b>Proposal Requirements</b>		
1	Xcelsior Overview	Xcelsior Overview
2	General Provisions forms	<ul style="list-style-type: none"> <li>• Federal Transit Mandatory Provisions</li> <li>• Certification Regarding Debarment</li> <li>• Lobbying</li> <li>• Buy America Certificate of Compliance</li> <li>• Certification of Compliance with Bus Testing Requirements</li> <li>• Bus Testing Program Certifications</li> <li>• Transit Vehicle Manufacturer Certification</li> <li>• Non-Collusion Form</li> <li>• Contractor General Certifications</li> </ul>
3	Request for Approved Equals and/or Deviations	Proposal Approved Equals and/or Deviations
4	Technical Information	SIBs and supporting information
4A	Technical Information	SIB-580-001 Wheel chair ramp.



NEW FLYER OF AMERICA

The City of Jefferson Parish  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten  
(10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

Section Tab	Title	Bid Submission Requirements
4B	Technical Information	SIB-549-001 Xcelsior charge Thermo- King HVAC TE15
4C	Technical Information	SIB-549-001 Thermo- King RLF HVAC unit
4D	Technical Information	Bulletin on American Seating Insight Seats.
4E	Technical Information	SIB-203-002 M.A.N VOK-07F Axle.
4F	Technical Information	SIB-400-001 Partial stainless-steel structure.
4G	Technical Information	SIB-450-001 ACQ plywood Flooring
4H	Technical Information	Information on Hydraulic Hoses.
4I	Technical Information	SIB-260-001-X Battery System
5	Vehicle Questionnaire's	Vehicle Questionnaire's



**NEW FLYER OF AMERICA**

**The City of Jefferson Parish  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten  
(10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.**

<b>Section Tab</b>	<b>Title</b>	<b>Bid Submission Requirements</b>
6	Detailed Price Schedule	Pricing for Electric, Hybrid and diesel propulsion systems 35-foot and 40-foot buses.
6A	Optional Items and pricing	Optional Items and pricing
7	Tooling and Diagnostics	Tooling and Diagnostics recommendations and pricing. (Tooling and Diagnostics are not part of the base bus price)
8	Warranty	Warranty Terms and Conditions
9	Publications	Publications Details
10	Training	Training Details (Training is not part of the base bus price)
11	Certificate of Insurance	Certificate of Insurance
12	Engine Certification	Engine Certification (Cummins ISL 280HP)
13	Bid Surety Bond	Bond document

## 2A The New Flyer Xcelsior® – Better by Design

In 2007, New Flyer worked closely with customer focus groups to understand what changes were necessary to take our low floor bus to the next level. This valuable input led us to the launch of the Xcelsior® in 2010. The Xcelsior® is designed to provide best in class features that reduce overall life cycle costs for our customers, and improve the passenger and driver experience.



To date, New Flyer has more than **4,400 Xcelsior® buses** delivered or on order.

### Broad Range of Vehicle Options

The New Flyer Xcelsior® has the broadest range of vehicle options in the industry. It is currently available in 35', 40' and 60' models, with a full range of available propulsion options.

	Vehicle Length			Propulsion				
	35'	40'	60'	Diesel	CNG	Hybrid	Electric Trolley	Battery Electric
<b>New Flyer Xcelsior®</b>	●	●	●	●	●	●	●	●

In addition to the propulsion options noted above, New Flyer also offers a wide range of available engineered features which allow each transit agency to customize the Xcelsior to meet their service needs.

## 2A The New Flyer Xcelsior® – Better by Design

### Best Overall Reliability

New Flyer buses are often called the “workhorses” of their fleet. During New Product Development, we conduct rigorous testing to assure vehicle performance and reliability. These tests include Altoona structural durability, Bodycote (shaker table), HVAC testing, side and front crashworthiness testing, emergency obstacle avoidance testing, and testing for engine cooling systems, interior and exterior noise testing and suspension/ride quality testing.

Ongoing product improvements are developed based on feedback received from our customer service team, who continually monitors in service issues as well as MTBR metrics with our customers.

### New Flyer Xcelsior® Design Highlights

#### Improved Fuel Economy

Increasing fuel prices remain a constant concern for our customers.



We have successfully reduced the weight on Xcelsior® by 8% compared to previous models, which has delivered an improvement in fuel economy.

- The Xcelsior® XDE40 (diesel-electric hybrid) achieved **the best fuel economy ever recorded at Altoona: 5.88 mpg.**
- Proven success has been achieved by Brampton Transit, our first Xcelsior® delivery in 2012. Brampton Transit has experienced an 8% reduction in fuel consumption by their Xcelsior buses as compared to other like models in their fleet.

#### Reduced Vehicle Weight

Vehicle weight impacts maintenance expense and infrastructure for our customers.

Weight reductions were achieved on the Xcelsio® by optimizing the structure and incorporating lighter weight components such as the single reduction axle and lighter-weight seats wherever

## 2A The New Flyer Xcelsior® – Better by Design

possible. The suspension was optimized to reduce weight and a portion of the passenger flooring is composite as standard.

In addition, we have ongoing initiatives internally and with our suppliers to continue to find ways to reduce vehicle weight. We anticipate that Xcelsior will achieve the following additional life cycle savings due to reduced vehicle weight and improved weight distribution.:

- **Longer Tire Life:** Recent studies have shown that a 1% reduction in weight can result in a 2% increase in tire mileage.
- **Longer Brake Life:** We anticipate brake linings on to last longer. Recent studies have documented longer brake material life as a result of weight reduction.

### Automotive Styling



In 2005, in response to transit systems' demands for improved bus styling, we introduced our Restyled/LFR and our Advanced Styled/LFA models. Xcelsior® builds on this momentum with newer, upgraded styling.

Features that deliver improved styling include:

- The industry's first LED headlight pods
- Bumpers integrated into the style of the bus
- Integrated roofline provides **BRT styling without added weight & cost**
- Redesigned drip rails, which are less visible
- Virtually no visible fasteners
- True flush windows designed to fit into the fiberglass side panels

### Improved Accessibility

As the company that first introduced low-floor buses to North America, we recognize the importance of ensuring our buses meet the accessibility needs of all passengers.

## 2A The New Flyer Xcelsior® – Better by Design



Xcelsior® improves on the original design with the following features:

- **Best-in-class step height** of 14 inches un-kneeled and 10" kneeled
- The front door opening was widened by two inches (33.8" clear opening between handles)
- Our latest proprietary ramp has been improved to **the industry's best slope ratio of 1:7**, which is a much gentler slope for passengers with mobility devices
- Increased space in entryway to make it easier on passengers

### Improved Passenger Experience

We strive to provide a comfortable and safe trip experience for your passengers.



The New Flyer Xcelsior® offers the following improvements over prior models:

- Improved ride quality with improvements to the suspension system and reduced un-sprung weight
- Roof mounted HVAC system, for improved efficiency, better weight distribution and ride quality.
- Improved visibility by narrowing the window posts from 12" to 5"
- Improved passenger lighting
- **Increased headroom** by 3 inches and head clearance over the interior lights on the upper rear deck
- Upgraded proprietary stanchion layout (no castings)
- Available glass roof hatches which are 50% larger, allows natural light
- Increased number of forward-facing seats from 27 to 35
- Increased **overall seating capacity from 39 to 40**
- Incorporated barriers to enhance the safety for seated passengers.

### Improved Driver Experience

Engaged and aware drivers are a critical element to providing exceptional and safe transit service to passengers

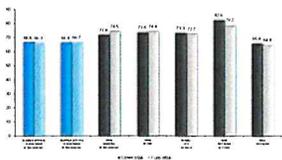
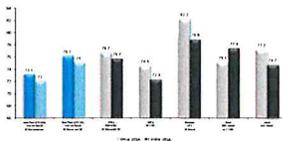
## 2A The New Flyer Xcelsior® – Better by Design



The New Flyer Xcelsior® is designed to improve the comfort and experience for your drivers, with the following features

- The overall dash design has been upgraded with a more contemporary, ergonomic design
- We have introduced the **industry's only electronic instrument panel**, which is more modern in appearance and functionality and has a three year warranty standard. The standard LCD display can be programmed for customer specific messages or graphics.
  - Up to 31 illuminated tell tales and up to four LCD screen displays to ensure your drivers are fully aware of the vehicle status at all times.
- The new recessed overhead control panel above the driver's window gives access to the controls and instrumentation and gives the overall area a cleaner appearance
- The driver's field of view has been improved with smaller window pillars and dash clearance
- Industry's first LED headlights were introduced for better visibility, which can also accommodate many of today's bike racks with no interference

### Quieter Ride



New Flyer has provided **the industry's quietest heavy-duty transit vehicle**, both for passengers (interior noise) and your communities (exterior noise), based on Altoona Test results.

We have reduced the noise levels on Xcelsior® through:

- Single-reduction rear axle
- Roof-mounted air-conditioning
- Improved insulation in the engine compartment

New Flyer's engineers, together with experts in acoustic design, spent a lot of time understanding the methods of noise transfer through the vehicle and devised ways to interrupt the noise path for an overall quieter bus.

## 2A The New Flyer Xcelsior® – Better by Design

### Improved Maintenance Access Points



We want to help our customers reduce the amount of time and money spent on maintenance. To do this, we have designed Xcelsior® with features that **improve the accessibility to components** and systems for regular maintenance, such as:

- Improved access to engine turbocharger and auxiliary heater
- Separate battery compartment located forward of engine compartment for increased battery life
- Hinged upper rear service doors for access to EPA 2010 exhaust and air intake components
- Removable corner pillars
- Swing-out fan belt guard

### Reduced Maintenance Expense



In addition to our improvements to overall bus reliability, and design of features improving maintenance accessibility for our customers, New Flyer has also incorporated a number of components into the Xcelsior® design which have **inherent lower life cycle costs**. These features include:

- Industry's first LED headlights with best-in-class 6-year warranty; we estimate that these LED headlights will save you approximately \$2400 over 12 years
- Lower-maintenance all-wheel disc brakes, requiring approximately 50% the labor of drum brakes and less expensive replacement parts.
- Fiberglass exterior panels with optional side impact panels

Attached you will find an Xcelsior® vehicle brochure, with key vehicle features and specifications.



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
2	General Provisions forms	<ul style="list-style-type: none"><li>• Federal Transit Mandatory Provisions</li><li>• Certification Regarding Debarment</li><li>• Lobbying</li><li>• Buy America Certificate of Compliance</li><li>• Certification of Compliance with Bus Testing Requirements</li><li>• Bus Testing Program Certifications</li><li>• Transit Vehicle Manufacturer Certification</li><li>• Non-Collusion Form</li><li>• Contractor General Certifications</li></ul>

APPENDIX E

**BUY AMERICA CERTIFICATE OF COMPLIANCE WITH FTA REQUIREMENTS FOR BUSES, OTHER ROLLING STOCK, OR ASSOCIATED EQUIPMENT  
RETURN WITH YOUR BID**

***Certificate of Compliance with 49 U.S.C. § 5323(j) (2) (C).***

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. § 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.

Date March 15, 2018

Signature 

Company Name New Flyer of America Inc.

Title Paul Soubry - President and CEO

***Certificate of Non-Compliance with 49 U.S.C. § 5323(j)(2)(C)***

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. § 5323(j)(2)(C), but may qualify for an exception pursuant to 49 U.S.C. § 5323(j)(2)(B) or (j)(2)(D) and the regulations in 49 C.F.R. 661.7.

Date \_\_\_\_\_

Signature \_\_\_\_\_

Company Name \_\_\_\_\_

Title \_\_\_\_\_

**APPENDIX G  
BUS TESTING PROGRAM  
BUS TESTING PROGRAM CERTIFICATION  
RETURN WITH YOUR BID**

New Flyer of America Inc.

Here by certifies that the model of bus being offered in this bid has met the requirements imposed by 49 C.F.R. Part 665, Bus Testing, including the following two (2) conditions:

- 1) A model of the bus has been tested at the bus testing facility in Altoona, Pennsylvania; and
- 2) The bid includes a copy of the Test Report prepared on the bus modeling offered.

Authorized Signee:  \_\_\_\_\_

Title: President and CEO

Company: Paul Soubry

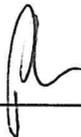
## APPENDIX F

**CERTIFICATION OF COMPLIANCE WITH FTA'S  
BUS TESTING REQUIREMENTS  
RETURN WITH YOUR BID**

The undersigned [Contractor/Manufacturer] certifies that the vehicle offered in this procurement complies with 49 U.S.C. § 5323(c) and FTA's implementing regulation at 49 C.F.R. Part 665.

The undersigned understands that misrepresenting the testing status of a vehicle acquired with Federal financial assistance may subject the undersigned to civil penalties as outlined in the Department of Transportation's regulation on Program Fraud Civil Remedies, 49 C.F.R. Part 31. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 C.F.R. Part 29.

Date: March 15, 2018

Signature:  \_\_\_\_\_

Company Name: New Flyer of America Inc.

Title: Paul Soubry - President and CEO

**APPENDIX J**

**CONTRACTOR GENERAL CERTIFICATIONS  
RETURN WITH YOUR BID**

The undersigned [Contractor] certifies, to the best of his or her knowledge and belief, that:

(1) The Bidder and its Subcontractors are not in arrears to the Jefferson Parish Department of Transit Administration and or any of the named Procuring Agencies upon debt or contract and are not a defaulter, as surety or otherwise, upon any obligation to the Jefferson Parish Department of Transit Administration and or any of the named Procuring Agencies.

(2) No officer or employee or person whose salary or compensation for services is or has been payable in the past two (2) years in whole or in part from the Jefferson Parish Department of Transit Administration is or shall be or become interested directly or indirectly in this proposal or in the award or performance of the contract for the supplying of the aforesaid, and other related items, or in any portion of the profits or price therefore.

(3) The Bidder complies with mandatory standards and polices relating to energy efficiency in compliance with the Federal Energy Policy and Conservation Act (42 U.S.C. § 6321 et seq.).

The Contractor, New Flyer of America Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any.

Signature of Contractor's Authorized Official:

  
\_\_\_\_\_

Name and Title of Contractor's Authorized Official:

Paul Soubry - President and CEO  
\_\_\_\_\_

Date: March 15, 2018

**APPENDIX A  
FEDERAL TRANSIT AUTHORITY MASTER AGREEMENT  
RETURN WITH YOUR BID**

Contractor(s) agrees to acknowledge that Jefferson Parish has a grant agreement with the FTA, and Contractor(s) agrees to adhere to any and all terms and conditions of the grant agreement as they relate to obligations the Bidders would assume under this contract. The contractor(s) assumes all responsibilities for compliance with the United States Department of Transportation, Federal Transit Administration (FTA) Master Agreement, a copy of which can be viewed at <http://www.fta.dot.gov/documents/21-Master.pdf>. This Master Agreement covers Federal financial assistance authorized by Federal transit laws codified at 49 U.S.C. 05301 et seq.; Title 23, United States Code (Highways); the Intermodal Surface Transportation Efficiency Act of 1991, as amended; or other Federal enabling laws administered by FTA. Any obligation of a Bidder or Contractor(s) to comply with governmental standards or regulations shall include the obligation to document such compliance. Any purchases made by Contractor(s) using federal funds shall be made in compliance with FTA third-party contracting requirements (Circular 4220.1F), a copy of which can be viewed at [http://www.ft.dot.gov/legislation\\_law/12349\\_8641.html](http://www.ft.dot.gov/legislation_law/12349_8641.html). Any Contractor(s) shall supply and/or execute such documents as the Parish may reasonably need to affect the purposes of this contract or to comply with federal applicable regulations. All proposals shall contain all certifications, duly executed, contained herein which are applicable. Failure to do so may result in the Parish's refusal to consider the bid

We have read the Federal Transit Authority Master Agreement and Third-Party Contracting Requirements and are fully aware of the responsibilities and duties of the Jefferson Parish Department of Transit Administration and its contractors in complying with these requirements.

\_\_\_\_\_  
Signature

For: New Flyer of America Inc.  
(company name)

Title: Paul Soubry - President and CEO

Date: March 15, 2018

**APPENDIX I  
NON-COLLUSION FORM  
RETURN WITH YOUR BID**

By submission of this proposal, the Offeror Paul Soubry, certifies  
Name of Offeror

that (s)he is President and CEO of New Flyer of America Inc.  
Title Name of Firm

under penalty of perjury, affirms:

1. The prices in this proposal have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Offeror or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Offeror and will not knowingly be disclosed by the Offeror prior to opening, directly or indirectly, to any other Offeror or to any competitor; and
3. No attempt has been made or will be made by the Offeror to induce any other person, partnership or corporation to submit or not submit a proposal for the purpose of restricting competition.
4. The proposal was not made in the interest of or on behalf of any undisclosed person, partnership, company, organization or corporation.
5. Each person signing the proposal certifies that:
  - a. He is the person in the Consultant's organization responsible within that organization for the decision as to prices being offered in the proposal and that he has not participated and will not participate in any action contrary to (1-4) above; or
  - b. He is not the person in the Consultant's organization responsible within that organization for the decision as to prices being offered in the proposal but that he has been authorized in writing to act as agent for the persons responsible for such decisions in certifying that such persons have not participated, and will not participate, in any action contrary to (1-4) above, and that as their agent, does hereby so certify; and that he has not participated, and will not participate in any action contrary to (1- 4) above.

## **Non-Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

**Non-Public Works Bid**

**AFFIDAVIT**

**STATE OF** Minnesota

**PARISH/COUNTY OF** Stearn

BEFORE ME, the undersigned authority, personally came and appeared: Paul Soubry  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized President and CEO of New Flyer of America Inc. (Entity),  
the party who submitted a bid in response to Bid Number 50-00121992, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

**Choice B** X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

  
\_\_\_\_\_  
Signature of Affiant

Paul Soubry  
\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 15<sup>th</sup> DAY OF March, 2013.

  
\_\_\_\_\_  
Notary Public

Christy L. Davidson  
\_\_\_\_\_  
Notary Public for the Province of Manitoba.  
Printed Name of Notary      Commission Expires: May 19, 2014  
711 Kernaghan Avenue  
Winnipeg, Manitoba R2C 3T4

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires \_\_\_\_\_.

**Christy L. Davidson**  
A Notary Public for the Province of Manitoba.  
My Commission Expires: May 19, 2014  
711 Kernaghan Avenue  
Winnipeg, Manitoba R2C 3T4

**APPENDIX C  
CERTIFICATION REGARDING DEBARMENT  
RETURN WITH YOUR BID**

The prospective Contractor certifies, by submission of this bid or proposal, that neither it nor its "principals" as defined at 49 C.F.R. 29.995, or affiliates, as defined at 49 C.F.R. 29.905, are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any governmental department or agency.



\_\_\_\_\_  
Signature of Contractor's Authorized Official

Paul Soubry - President and CEO

Name and Title of Contractor's Authorized Official

March 15, 2018

Date

**APPENDIX H  
TRANSIT VEHICLE MANUFACTURER CERTIFICATION  
(Bus or Rail Car Purchases Only)  
RETURN WITH YOUR BID**

**CERTIFICATION OF DISADVANTAGED BUSINESS ENTERPRISES (DBE)  
COMPLIANCE**

The responder, a Primary Transit Vehicle Manufacturer, hereby certifies that it has complied with the requirements of 49 C.F.R. Section 26.49, as amended, by submitting an annual DBE goal, as amended, to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by the FTA.

SIGNATURE:  \_\_\_\_\_

PRINT NAME: Paul Soubry \_\_\_\_\_

TITLE: President and CEO \_\_\_\_\_

COMPANY: New Flyer of America Inc. \_\_\_\_\_

DATE: March 15, 2018 \_\_\_\_\_



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
3	Request for Approved Equals and/or Deviations	Request for Approved Equals and/or Deviations

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.61 Door Controller

**Component Item Listed:** front door Lift -U LU 18 or approved equal ramp

---

**Proposed Item:** please see below.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

New Flyer proposes to provide New Flyer's patented self contained, modular Flip Type ramp that is stored in a stainless steel box mounted into the floor of the bus. The non-skid, 3/16 inch thick aluminum ramp platform has a clear width of 32.25 inches, a length of 47.6 inches and is rated at 660 lbs. with a deployment angle ratio of 1:7. The ramp exceeds ADA requirement's. please refer to (4A) SIB-580-001 in proposal.

**APPENDIX K****REQUEST FOR EQUALS  
RETURN WITH YOUR BID****Company Name:** New Flyer of America Inc.**Specification Section Number:** 4.2.60 Passenger Accommodations**Component Item Listed:** Seat Style - American Seating 6468

---

**Proposed Item:** Please see below.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

American Seating is discontinuing their 6468 seat model. The latest date to order this seat is end of June, 2018. \* Stainless steel grab rails and a "bubble" back panel are not available on the Insight. This proposal is based on providing Insight Prime plus considered a close match to 6468. American seating also no longer has the Reliant system they have changed it to American seating Q'Pod. Please refer to (4D) for Information on the Insight prime seats.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.57 Finish and Color

**Component Item Listed:** please see (C) below

---

**Proposed Item:** Please see (P) below.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: As an option, an all LED "STOP" light manufactured by JKA enterprise will be made available and priced separately.

P: New Flyer proposes to provide a "STOP" sign manufactured by DATALED TECHNOLOGIES INC. This is the only available configuration on Xcelsior.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.57 Finish and Color

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Light(s) shall be located below window level and shielded to protect the eyes of entering and exiting passengers.

P: New Flyer proposes to provide a LED strip light above entrance and exit doors that are ADA compliant.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.57 Finish and Color

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The LED marker lights at the front and rear upper corners of the bus shall be of flush mounted type to preclude breakage by tree limbs, bus washers, etc.

P: New Flyer proposes to provide our universal marker clearance lights that are low profile mount type and proven to withstand minor impacts by tree limbs, bus washers, etc. Please refer to the picture of the outside of bus.



**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.57 Finish and Color

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Front marker (clearance) lights along with lights located on the roof and sides of the bus shall have protective shields or be of the flush mount type to protect the lens against minor impacts.

P: New Flyer proposes to provide our universal marker clearance lights that is low profile mount type and proven to withstand minor impacts. Please refer to picture attached.



525

525

Metropolitan Area Council  
We Keep Moving Forward

NEWLY ACQUIRED

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.53 Air Flow

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Hogs Hair filters shall be provided.

P: Hogs hair filters are not available any longer. It is being replaced by polyester filter.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.52 Heating, Ventilating and Air Conditioning

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The air conditioning system shall meet these performance requirements using HFC R134a.

P: (Electric bus only) Please note that HFC R134a is not available option for our electric buses with TK HVAC system. The Thermo king units are hermetically sealed and are a no maintenance system. Please refer to section (4B) SIB-549-001 in the proposal.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.52 Heating, Ventilating and Air Conditioning

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The Heating, Ventilation and Air Conditioning (HVAC) climate control system shall be rear-mounted or roof mounted MCC with Screw Compressor, Brushless Evaporator & Condenser Motors with R134a Freon capable of maintaining the interior of the bus at the temperature and humidity levels defined in the following paragraphs or an approved equal.

P: New Flyer Proposes to provide HVAC system from Thermo King (TK) with the options of R-134a or R-407c for XD and XDE. please refer to section (4C) in proposal for more information . Standard configuration for XE buses is TK with R-407c. Further review is needed to confirm if screw compressor is offered in our XE buses or not. please refer to (4B)SIB-549-001 in proposal for more information.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.50 Mirrors

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: A (min) 8-1/2inch x 16inch rear-view mirror shall be provided on the front sign header.

P: New Flyer proposes for rear-view mirror of 8"x15" convex.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.36 Steering Axle

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The front axle shall be a Meritor solid beam, non-driving with a load rating sufficient for the bus loaded to GVWR and shall be equipped with grease type front wheel bearings and seals.

P: New Flyer proposes to provide the M.A.N. VOK-07F front axle. Please refer to section (4E) in proposal SIB 203-002 for more information.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.32 Wheel Housing

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: If fiberglass wheel housings are provided, then they shall be color-impregnated to match interior finishes.

P: New Flyer proposes to provide a fiberglass layup techniques in which only the A surface is gel-coat painted in lieu on a color-impregnated design.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.29 Structural Validation Baseline

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The bus chassis shall be stainless steel.

P: New Flyer proposes for our standard carbon steel/partial ferritic SST structure with corrosion preventive coating. Please Refer to section (4F) in proposal SIB-400-001-Partial Stainless Steel Structure for more information. We include Stainless steel in areas that are shown to wear do to weather. The rest of the bus Structure is Carbon steel.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.22 Bus Dimensions

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: At the centerline of the window seats, headroom shall be no lower than 65 inches, except for parcel racks and reading lights, if specified.

P: New Flyer proposes to provide interior headroom that is no lower than 61 inches due to presence of ducts and passenger lighting above, creating a slightly lower space. These dimensions are inherent to New Flyer design.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.5 Worker and Protective Measures

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Where wood and wood are placed together, all outer edges of wood, as well as the edges of holes, cutouts and notches shall be coated with a linseed oil and titanium dioxide sealer or zinc chromate or other appropriate sealing compound.

P: New Flyer uses woods that are pressure treated NT ACQ plywood and requires no coating at the edges of holes, cutouts and notches. Please refer to section (4G) in proposal SIB 450-001 for more information.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.4 Overall Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The manufacturer shall use FC-300 and FC-195 hoses for all flexible lines except A/C and discharge from the air compressor to the wet tank.

P: New Flyer proposes to provide flexible synthetic lines manufactured by Manuli Equator 1 (EQ1) / Equator 2 (EQ2) / 2807 PTFE / Aeroquip GH100, to accommodate the different ratings as required. Please refer to section (4H) in proposal for more information.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.42 General Electrical Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Two (2) twelve volt (12V) lead acid filled thermal battery units, size 8D, with side post connectors with minimum 1300 cold cranking amps at zero degrees Fahrenheit with a reserve capacity of 425 minutes or greater will be required.

P: Please note that we can only provide AGM battery type for our Ebus (XE40). Engineering has pointed out that "the battery bus is the pinnacle of battery bus operations and we should not downgrade the configuration of this bus type to any flooded battery configuration."

## APPENDIX K

REQUEST FOR EQUALS  
RETURN WITH YOUR BID

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.42 General Electrical Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: A jump-start connector, red for 24V and blue for 12V, shall be provided at a location determined at the pre-production meeting and shall be equipped with dust cap and adequately protected from moisture, dirt and debris.

P: New Flyer can provide a single red 24V jump-start next to the disconnect switch on the fuse box. 24V is the correct potential to charge the low voltage batteries in a dead battery scenario. We also use a Vanner Battery equalizer, this ensures that the batteries remain at the same potential during various load/charging conditions. So when you connect the 24V jump-start both batteries are equally charged and both 12V and 24V power is supplied to the various bus electrical systems.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.42 General Electrical Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Batteries shall be mounted in a stainless steel slide out tray on rollers, with less than 50 lbs of effort.

P: New Flyer provides a polyethylene battery tray supported by a stainless steel sub-frame, the enclosure is also polyethylene. This design is corrosion resistant, light weight and has proven to be extremely robust. Please note that the batteries are supported by structural stainless steel U-channels. Sized to provide the correct support for 2 8d batteries or 4 GP 31 batteries. Please refer to (4I) in proposal SIB 260-001-X which provides further information the battery tray.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.65 Warranty page 111

**Component Item Listed:** \_\_\_\_\_

Rubber Flooring - twelve (12) years / unlimited miles warranty on parts and labor.

**Proposed Item:** Please see below.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

New Flyer's proposal is based on providing a 5 year labor warranty on the Rubber Flooring. The warranty shall be void if the Agency fails to perform scheduled preventative maintenance procedures as recommended in the Contractor's maintenance manuals. please refer to section 8 in proposal for more information on warranty.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.65 Warranty page 111

**Component Item Listed:** \_\_\_\_\_

All warranty dates will start from the in-service date of each bus received.

**Proposed Item:** Please see below.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

New Flyer is committed to ensuring that you get the most value from your vehicles and our proposal is based on that all component warranties begin on the in-service date of each bus received or 60 days from the date of delivery, whichever occurs first. please refer to section 8 of proposal for more warranty information.

## APPENDIX K

REQUEST FOR EQUALS  
RETURN WITH YOUR BID

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: All main power supply terminals shall be covered with electric post rubber cover.

P: New Flyer does not apply rubber covers on ring terminal and lug connections within designated electrical compartments. These connection points are not exposed to a corrosive environment. Listed below the compartments and panels that do not have boots on the ring terminal and lug connection:

- Side Console
- Rear Panel
- Fuse Box
- Exit Door Panel
- Center Exit Door Panel
- SDS enclosure

For wiring 6 ga. and larger New Flyer applies a rubber cover to exposed connection outside of the electrical panels listed above.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: All multiple terminal connectors shall be military (cannon plug) type, fully sealed and protected with a potting compound to prevent outside dirt and corrosives from entering the wiring, connectors, or plugs.

All inline and bulkhead connectors are to be of the weather pack sealed type.

The main harness from the engine compartment shall be equipped with multiple circuit cannon type connectors.

P: New Flyer uses a combination of Delphi/Packard, Amphenol, Amp, Molex and Deutsch connectors. We select the connector type based on the connector suitability for the application. Please note that all connector are suitable for use in a heavy duty application. Please see drawing 185340 and 104043 Section (4J) for further information on the Deutsch and Delphi/Packard connectors. New Flyer does not apply potting compound to the connectors, all connectors are sealed without the use of potting compounds.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Clamps shall be rubber or PVC clad aircraft type.

P: New Flyer provides Hellermann Tyton Clamps with heavy duty Panduit tie wraps to secure electrical cabling and harnessing. See drawings 293509, 293522 and 351161 in section (4K) in proposal for further information on the clamps and tie wraps that are provided. Listed below are the benefits of the Helermann Tyton clamps and Panduit tie wraps:

- The clamps and tie wraps are fabricated out of Nylon which provides a continuous operating temperature range of -40 F to +230 F
- The tie wraps are extra wide at .5" ensuring that the loom on the harness bundle is not crushed
- The tie wraps are adjustable which ensures adequate clamping of the harness and no movement within the clamp that could result in wire chaffing

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 All wiring shall start and end at a junction block or component.

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: All wiring shall start and end at a junction block or component.

P: New Flyer provides bus-bar connectors on some of the circuits. The bus-bar connectors used are sealed connectors intended to be used in a heavy duty environment.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Multi-pin connectors shall be protected internally from corrosion with silicone dielectric grease

P: New Flyer does not apply dielectric grease to our connectors because they are sealed and rated to IP67.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below.

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: All circuits except the engine emergency shut-off and speedometer circuits must be protected by reset circuit breakers that clearly indicate their position when tripped.

P: In addition to circuit breakers New Flyer provides circuit protection as described below:

For circuits with current requirements of 80 amps or higher New Flyer uses high current fuses. These would be the main power distribution circuits that originate in the fuse box and distribute power throughout the coach. Examples of these circuits would be power to the equalizer, power to the rear panel, power to the side console, power to climate control unit, power to radiator and power to grid heater. Please note that failure of one of these high current fuses would indicate a severe problem that would require immediate action and these fuses should not routinely blow.

New Flyer also provides circuit protection for loads up to 10A through a protected Vansco multiplex output.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Each breaker must be labeled.

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

P: New Flyer does not provide permanently label the circuit breakers in our electrical panels. Our panel decals accurately represent the position of the electrical devices within the panel allowing for easy identification of electrical devices. Please see drawing 473362 ins section (4L) in proposal for further information on one of the decals that we provide.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Circuit breakers must have plastic dust caps.

---

**Proposed Item:** New Flyer does not provide plastic dust caps on our circuit breakers.

Any breakers that would be subjected to dust and moisture are located within a sealed enclosure eliminating this requirement.

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Provide constant power for powering systems, such as but not limited to the fire suppression, radio, farebox, and DC-DC converter that require constant power when battery cutoff switch is off.

P: New Flyer does not provide the radio, fare-box and DC-DC converter circuits that bi-pass the main disconnect switch. Our radio and DC-DC converter circuits are initiated on the load side of the disconnect switch to ensure that no high current circuits are present on the coach when the disconnect switch is positioned to the off position. The fare-box circuitry connects to the 12V bus-bar in the side console.

**APPENDIX K****REQUEST FOR EQUALS  
RETURN WITH YOUR BID****Company Name:** New Flyer of America Inc.**Specification Section Number:** 4.2.41 Electronic and Data Communication Systems**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The windshield wiper and headlamps electric circuit shall be protected by modified auto-reset circuit breakers sized to the requirement of the load.

P: New Flyer proposes headlights that are protected by a headlight control module and a Vansco output which are not auto resettable. Our goal with this type of circuit protection is that the root cause of the problem is corrected before power is re-stored to the device. Auto-reset circuit breakers have the potential to cycle the power to these circuits on and off for prolonged periods of time, this has the potential to cause more severe damage.

The wiper circuits are protected with resettable circuit breakers.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.41 Electrical, Electronic and Data Communication Systems

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Access panels and junction box covers shall have seals which will preclude entry of rain, wash water, road debris, etc.

P: New Flyer proposes the rear panel, side console ,exit door panel and SDS panel which are not in sealed compartments. These electrical panels are on the interior of the coach and there is no risk of moisture intrusion that would impact the functionality of the electrical components. Please note that electrical panels located in the engine compartment which are exposed to excessive moisture are waterproof and are corrosion resistant. These electrical panels are the fuse box and the switch box

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.42 General Electrical Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The battery terminal ends and cables shall be color-coded with red for the primary positive, black for negative and another color for any intermediate voltage cables.

P: New Flyer provides labels on each end of the battery cables, the cable identifier and cable part number are printed on this label. All power cables have black insulation along the length of the cable with colored heat shrink or a colored over-molded terminal on the ends of the cable to identify voltage. Red for 24V, blue for 12V and black ground. Please see part number 504374 in section (4M) in proposal for further information.

## APPENDIX K

REQUEST FOR EQUALS  
RETURN WITH YOUR BID

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.42 General Electrical Requirements

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Except as interrupted by the master battery switch, battery and starter wiring shall be continuous cables with connections secured by bolted terminals and shall conform to specification requirements of SAE Standard J1127 - Type SGT, SGX or GXL and SAE Recommended Practice J541.

P: New Flyer proposes jumper power cable in the fusebox which links the disconnect switch to the main 24V bus-bar. A power cable feeds the starter from the main 24V bus-bar. New Flyer provides this configuration to minimize the amount of electrical connections that would be stacked on the 24V load side of the disconnect switch.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: To view the table details please refer to the word file. Drive selector Touch panel switch Side console Provides selection of propulsion: forward, reverse and neutral Gear selection new flyer To view the table details please refer to the word file. HVAC Switch or switches to control HVAC Upper Sawthooth Permits selection of passenger ventilation: off, cool, heat, low fan, high fan or full auto with on/off new flyer To view the table details please refer to the word file. Device Description Location Function Visual/Audible Drive selector Touch panel switch Side console Provides selection of propulsion: forward, reverse and neutral Gear selection.

P: New Flyer proposes a shift selector which is positioned on the right side of the instrument panel in easy reach of the driver. This layout allows for the defroster controls to be located on the left side of the instrument panel giving the driver easy access to both of these controls. Please see attached approval drawing 422841 for further clarification on the location.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: To view the table details please refer to the word file. WC ramp/ kneel enableTwo-position1switchSide console or Dash right wing Permits operation of ramp and kneel operations at each door remote panel Amber light

the table details please refer to the word file. Front door ramp/kneel enableTwo-position1keyed switch Front door remote or Dash right wina Permits ramp and kneel activation from front door1area, key required Amber light

P: For kneeling controls New Flyer provides a momentary/maintained three position switch. When positioned on raise the switch is in the maintained position, when positioned on lower the switch is in the momentary position. When kneeling the switch must be held in the lower position. This switch is located on the right side of the instrument panel. Please see approval drawing 422841 section (4N) in proposal for further information.

For ramp controls New Flyer provides a three position momentary switch, this switch is located on the right side of the instrument panel. Please see approval drawing 422841section (4N) in proposal for further information on the functions provided.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: the table details please refer to the word file. Rear door ramp/kneel enable Two-position 1keyed switch  
Rear door remote Permits ramp and kneel activation from rear door area, key required Red light.

P: New Flyer does not provide rear kneeling and a rear ramp, it's safer to kneel bus at front door, rear door is additional controls and complexity.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** \_\_\_\_\_

The compartment shall be lockable, completely water resistant and of steel construction.

**Proposed Item:** \_\_\_\_\_

New Flyer proposes a compartment that's fabricated out of fiberglass and not steel.

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: To view the table details please refer to the word file. Drive selector Touch panel switch Side console Provides selection of propulsion: forward, reverse and neutral Gear selection new flyer To view the table details please refer to the word file. HVAC Switch or switches to control HVAC Upper Sawthooth Permits selection of passenger ventilation: off, cool, heat, low fan, high fan or full auto with on/off new flyer To view the table details please refer to the word file. Device Description Location Function Visual/Audible Drive selector Touch panel switch Side console Provides selection of propulsion: forward, reverse and neutral Gear selection.

P: New Flyer proposes a shift selector which is positioned on the right side of the instrument panel in easy reach of the driver. This layout allows for the defroster controls to be located on the left side of the instrument panel giving the driver easy access to both of these controls. Please see attached approval drawing 422841 for further clarification on the location.

## APPENDIX K

### REQUEST FOR EQUALS RETURN WITH YOUR BID

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: To view the table details please refer to the word file. WC ramp/ kneel enableTwo-position1switchSide console or Dash right wing Permits operation of ramp and kneel operations at each door remote panel Amber light

the table details please refer to the word file. Front door ramp/kneel enableTwo-position1keyed switch Front door remote or Dash right wina Permits ramp and kneel activation from front door1area, key required Amber light

P: For kneeling controls New Flyer provides a momentary/maintained three position switch. When positioned on raise the switch is in the maintained position, when positioned on lower the switch is in the momentary position. When kneeling the switch must be held in the lower position. This switch is located on the right side of the instrument panel. Please see approval drawing 422841 section (4N) in proposal for further information.

For ramp controls New Flyer provides a three position momentary switch, this switch is located on the right side of the instrument panel. Please see approval drawing 422841section (4N) in proposal for further information on the functions provided.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: the table details please refer to the word file. Rear door ramp/kneel enableTwo-position1keyed switch  
Rear door remote Permits ramp and kneel activation from rear door1area, key required Red light.

P: New Flyer does not provide rear kneeling and a rear ramp, it's safer to kneel bus at front door, rear door is additional controls and complexity.

**APPENDIX K****REQUEST FOR EQUALS  
RETURN WITH YOUR BID****Company Name:** New Flyer of America Inc.**Specification Section Number:** 4.2.45 Visors/Sun Shades**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Rear door ramp Three-position momentary switch Rear door remote Permits deploy and stow of rear ramp new flyer To view the table details please refer to the word file. Rear kneel Three-position momentary switch Rear door remote Permits kneeling activation and raise and normal at rear door remote location new flyer To view the table details please refer to the word file. Silent alarm Recessed push button, NO and NC contacts momentary Side console Activates emergency radio alarm at dispatch and permits covert microphone and/or enables destination sign emergence message.

P: New Flyer does not provide rear kneeling and a rear ramp, it's safer to kneel bus at front door, rear door is additional controls and complexity. New Flyer can provide two different variations of silent alarm switches supplied by Otto Eng. Please see drawings 211040 and 455738 section (4O) in proposal for further information on the available options. New Flyer can provide a silent alarm switch located to the left of the driver on the side console panel.

## APPENDIX K

REQUEST FOR EQUALS  
RETURN WITH YOUR BID

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Fire suppression Red push button with protective cover Dash left wing or dash center Permits operator to override and manually discharge fire suppression Red light new flyer To view the table details please refer to the word file. Mobile data terminal Mobile data terminal bus operator interface panel Above right dash wing Facilitates operator interaction with communication system and master loa-on LCD display with visual status and text messages.

P: New Flyer proposes a fire suppression manual actuator and fire suppression control module which is located above the driver on the saw tooth panel. This mounting location is ideal as it's easy to access by a seated driver. Please see approval drawing 560094 section (4P) in proposal for further clarification.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Parking brake Pneumatic PPV Side console or Dash left wing Permits operator to apply and release parking brake Red light new flyer To view the table details please refer to the word file. Park brake release Pneumatic PPV Vertical side of the side console or dash center Permits operator to push and hold to release brakes new flyer To view the table details please refer to the word file. Hill holder Two-position momentary switch Side console Applies brakes to prevent bus from rolling.

P: New Flyer proposes a park brake release valve that's located on the Side Console next to the park brake valve. Please see approval drawing 587202 in section (4Q) in proposal for further clarification. New Flyer has the option for a hill holder switch

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.45 Visors/Sun Shades

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Fuel tank level Analog gauge, graduated based on fuel type Dash center Indication of fuel tank level/pressure To view the table details please refer to the word file. DEF gauge Level IndicatorCenter dash Displays level of DEF tank and indicates with warning light when low Red light.

P: New Flyer proposes a digital fuel tank level gauge. The gauge would be displayed as a bar graph or could be displayed by a percentage for the remaining fuel. New Flyer provides an amber low DEF fluid gauge.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.55 Service Compartments and Access Doors

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The battery access door shall have top edge hinges with gas operated shocks with safety devises when the battery is being serviced.

P: "New Flyer proposes a battery access door which has side hinges (manually opened) to allow full access to the battery tray from the top. Top edge hinges will obstruct the view and access to the battery from the top.  
"

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.59 Interior Lighting

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: Emergency backup system shall keep the light fixtures over the front and rear doors illuminated at minimum light output under a separated battery power for 10 to 15 minutes allowing passengers visibility and timely evacuation from the vehicle during emergency conditions.

P: New Flyer does not have the option of emergency backup system for the interior lights.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.60 Passenger Accommodations

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: To preclude movement of the bus, an accelerator interlock shall lock the accelerator in the closed position and a brake interlock shall engage the rear axle service brake system when the front and rear door control is activated and the vehicle is moving below 3 mph.

P: On a New Flyer bus the accelerator and brake interlock will engage when the doors are open at speeds below 2 mph.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.60 Passenger Accommodations

**Component Item Listed:** When vehicle is moving above 3 mph the rear door shall remain locked.

---

**Proposed Item:** New Flyer proposes the doors are prevented from opening at speeds above 2 mph.

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.61 Door Controller

**Component Item Listed:** \_\_\_\_\_

The ramp shall be controlled by toggle switches, master on-off, up-down and stow-deploy.

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

P: New Flyer proposes ramp controls with a single three position momentary switch. The switch must be held in the active state to deploy or stow the ramp. This switch is located on the right side of the instrument panel. Please see approval drawing 422841 in sections (4N) in proposal for further information.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** \_\_\_\_\_

An AngelTrax or approved equal video surveillance system shall be required.

**Proposed Item:** \_\_\_\_\_

New Flyer does not have an option available to provide an Angel Trax camera system. Optional pricing for a UTC camera system will be provided.

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: the Motorola XLT 1500 and XLT 5000 with silent alarm switch will be made available and priced separately if available.

P: New Flyer does not install complete radio systems from Motorola. To facilitate an easy installation of the radio system after delivery New Flyer can provide fish wire, conduit, wiring, antennas and mounting provisions.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** \_\_\_\_\_

The compartment shall be lockable, completely water resistant and of steel construction.

**Proposed Item:** \_\_\_\_\_

New Flyer proposes a compartment that's fabricated out of fiberglass and not steel.

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** \_\_\_\_\_

A sealing provision (gasket) shall be incorporated in the door of this compartment.

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

P: New Flyer does not provide a gasket that is incorporated into the door. The compartment design ensures to provide a suitable environment for the sensitive electronic equipment that is mounted within the enclosure.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** The radio handset will be a telephone hand set with magnetic hang up cup.

---

**Proposed Item:** \_\_\_\_\_

New Flyer can provide fish wire, conduit, wiring, antennas and mounting provisions. A radio handset would not be provided.

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** 4.2.63 Passenger Information and Advertising

**Component Item Listed:** Please see(C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: "Bidders shall provide optional pricing for ITS systems from Passio, Avail, and other approved equals

Bidders shall provide optional pricing for AVA systems from Passio, Avail, and other approved equals."

P: New Flyer does not have an option available for a Passio ITS system. Provisions for this system could be provided and details of this would be discussed during a pre-production meeting.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** Acceptance

**Component Item Listed:** Please see (C) below

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: The Jefferson Parish Department of Transit Administration will provide the Contractor written notice of acceptance or rejection of each bus upon completion of acceptance testing and within a reasonable period after delivery to facilitate that testing. If the equipment is rejected, the notice shall state the discrepancy noted. The Parish reserves the right to conditionally or provisionally accept one or more buses subject to correction of minor discrepancies.

P: New Flyer requests that acceptance is complete within (15) calendar days from delivery.

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** "New Section:Price Adjustments due to Regulatory Changes"

**Component Item Listed:** \_\_\_\_\_

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

P: "New Flyer requests approval to add the following contract term:

Notwithstanding anything else to the contrary contained herein, in the event that a price adjustment is required in respect of changes that are mandatory as a result of legislation or regulations that become effective after the date of the proposal submission (including changes to the cost of materials as a result of a termination or amendment to the North American Free Trade Agreement and associated regulations and policies), such price adjustment shall be negotiated in good faith by Jefferson Parish and the Vendor"

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** "New Section: Force Majeure"

**Component Item Listed:** \_\_\_\_\_

---

**Proposed Item:** Please see (P) below

---

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

P: "New Flyer requests approval to add the following contract term:

If the Vendor is delayed at any time during the performance of the work by the neglect or failure of Jefferson Parish or by delay or failure of the Vendor caused by an event beyond its control, including, but not limited to, natural disasters, floods, fires, acts of war or terrorism, labor shortages, strikes or lock-outs or shortages or loss of transportation, then the time for completion of the Buses and/or the delivery dates shall be extended by Jefferson Parish by a reasonable period of time after such event of delay has ended in order that the Vendor may complete the work or deliver the Buses."

**APPENDIX K**

**REQUEST FOR EQUALS  
RETURN WITH YOUR BID**

**Company Name:** New Flyer of America Inc.

**Specification Section Number:** Addendum #4 Bid Form

**Component Item Listed:** Please see(C) below

**Proposed Item:** Please see (P) below

**Note:** A separate form must be submitted for each request for an approved equal. Bidders are required to submit technical information for each item. Any request received without the necessary technical information will be returned.

C: "All prices must be held firm unless an escalation provision is requested In this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban. Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed,for comparison of prices only , that an equal amount of material or labor is purchased each month throughout the entire contract."

P:"New Flyer requests approval to remove the noted paragraphs from the Bid Form.

New Flyer will hold pricing for 12 months from the date of proposal submission. For any future orders New Flyer requests to use the APTA Bus Procurement Guidelines for Options and Option Pricing.

The Agency may exercise the Options by written notice to the Contractor at any time on or before the effective date of the Contract ("Option Date"). The price of the Option Vehicles shall be the unit price of the base order vehicles, ("Base Order Price") adjusted by multiplying the base order price by the following fraction:

Latest Published Preliminary Index Number Prior to Notice of Exercise of Option / Index  
Number on Effective Date of the Contract

The Index shall be the Producer Price Index for Truck and Bus Bodies, Series No. 1413, published by the United States Department of Labor, Bureau of Labor Statistics, or if such Index is no longer in use, then such replacement that is most comparable to the Index as may be designated by the Bureau of Labor Statistics, or as agreed by the parties."



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4	Technical Information	SIBs and supporting information



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4A	Technical Information	SIB-580-001 Wheel chair ramp.

## Genuine New Flyer Wheelchair Ramp

### Product Features

New Flyer's patented wheelchair ramp design is a flip-out, aluminum, non-slip platform located at the entrance door of the bus. While this ramp is based on our reliable New Flyer ramp that has been in revenue service since 1993, it has been improved to now be a self-contained modular system.

The ramp system consists primarily of four components:

- Stainless steel ramp box and aluminum cover
- Hydraulic pump, reservoir and integrated manifold block
- Ramp mechanism assembly (operates entirely within stainless ramp box)
- Aluminum light-weight non-slip ramp platform

All four components operate to articulate the ramp from the stowed position in the floor to the curb or street level.

### Benefits

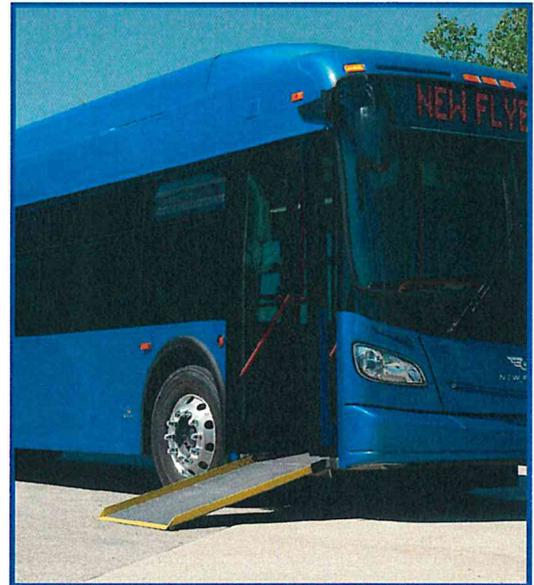
- Industry-leading 1:7 slope that significantly exceeds ADA regulations
- Designed with the manual operation feature to ensure that the bus will remain in revenue service during an electrical or hydraulic ramp failure

### Operations

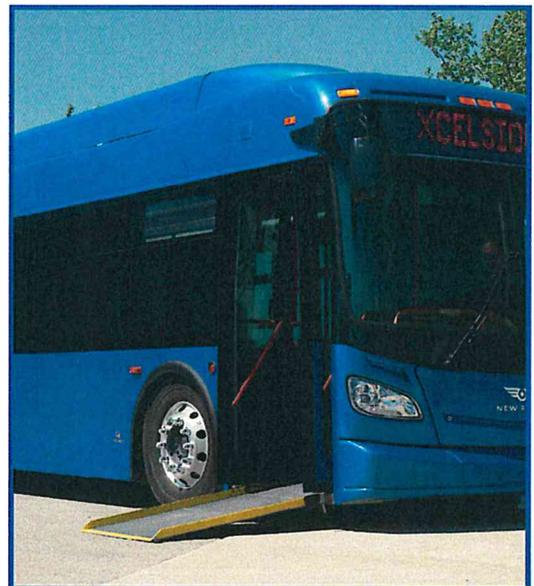
The ramp is hydraulically operated. It is completely installed within the vehicle floor and structure and is not subjected to road damage. Brake and accelerator interlocks are provided through the opening of any door. A flashing LED light and audible signal at the entrance door serve as a warning to passengers that the ramp is operating. The ramp can also be manually deployed or raised by a pull strap. The wheelchair ramp is powered by its own self-contained hydraulic power source.

### Operating Procedures

Operator's control is located on the lower right side of the driver's instrument panel. A guarded three-position switch performs the following functions:



*Ramp deployed at ride height street level*



*Ramp deployed kneeling (1:7) street level*

### 1. Deploy

This position turns the pump on and sends a flow of oil through the manifold block to the ramp mechanism assembly. The ramp then moves from the stowed position and starts through its arc until fully deployed.

### 2. Float

This is the normal position of the switch and, in this position, the hydraulic pump is inoperative. The ramp will float to either the DEPLOY or STOW position. Manual operation is possible in the FLOAT position.

### 3. Stow

This position turns the pump on and sends a flow of oil through the manifold block to the ramp mechanism assembly to move the wheelchair ramp into the stowed position (flush with the floor).

## Service and Repair

The self-contained, modular design of this ramp allows for quick removal and installation of the ramp via eight mounting bolts and one electrical connector. The harness removal can only be done at the front of the bus through the service panel (or defrost service panel). To remove the harness, two tie straps need to be cut off and then the two connectors need to be disconnected. The harness conduit retaining nut needs to be removed and each of the two connectors need to be pulled through the retaining nut separately. Two p-clips will need to be removed from under the bus structure to free the harness. This allows bench servicing if a ramp system requires repair.

The stainless steel box protects the inner components from the damaging effects of being exposed to the elements.

## Testing

Durability testing: This new design has been cycled 50,000 times which equates to a 12 year life span.

## Warranty

Genuine New Flyer wheelchair ramps have a warranty of one year or 50,000 miles (80,467 km).

## Specifications

Width	32.00 inches (81.28 cm)
Length	47.50 inches (120.65 cm)
Length Beyond Bus Body	44.73 inches (113.61 cm)
Supporting Load	660 lbs. (299.40 kg)
Degree of Slope kneeling position	8° degrees to grade
Degree of Slope kneeling position (to a 6 inch curb)	2° degrees to curb
Operation Switch (3-Pole Toggle)	1. "Deploy" 2. "Float" 3. "Stow"
Type	Hydraulic (electrically powered)
Cycle Times 1. Deploy 2. Stow 3. Total	10 seconds 10 seconds 20 seconds
System Fluid Capacity	1 quart (946.35 ml)
Hydraulic System	Independent Hydraulic Power pack w/ Integrated Manifold
Hydraulic Fluid	ATF
Operating Hydraulic Pressure	1800 psi
Hydraulic Cylinder	One (deploy & stow)
Hydraulic Cylinder Size	1.5" (38.1 mm)dia. Bore x 3.5" (88.9 mm) Stroke 0.75" (19.05 mm) dia. Rod Double acting welded construction 2500 psi (working pressure rated)
Weight of Complete Lift Assembly	130 lbs (58.97 kg)



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4B	Technical Information	SIB-549-001 Xcelsior charge Thermo- King HVAC TE15.

This unit is used on the Xcelsior charge ( All Electric) bus.

## Main HVAC Unit - TE15 All-Electric

Passenger comfort is of utmost importance, but so is delivering that comfort in a way that is energy efficient and optimized to safeguard vehicle performance and fuel economy. New Flyer believes in providing customers with best-value products and the Thermo King TE15 HVAC is exactly that.



Main Unit	
OEM	ThermoKing
Model	TE15
Cooling Capacity	72,000 btu/hr(R407c) <sup>[1]</sup>
Heating Capacity	98,000 btu/hr <sup>[2]</sup>
Air Flow	2250 CFM
Refrigerant	R407c
Unit Weight	700 lbs
Dimensions	(LWH): 22.9" x63.76" x 37.34"
Mounting	Rear Mount
Evap. Motor/fan	TK Brushless/fans X 2 (24 VDC)
Cond. Motor/fan	TK Brushless/fans X 2 (24 VDC)
Coating	Epoxy E-Coat with UV Topcoat

[1] Ambient: 95°F (35°C). Return air: 80°F (26.6°C) dry bulb, 67°F (19.4°C) wet bulb.  
 [2] 8 GPM coolant flowrate & 100°F (37.8°C) temperature differential between return air and coolant

Integrated Dual A/C Compressor	
OEM	Copeland
Model	ZR48K3E-TFD-130
Type	Hermetic Electric Scroll
Quantity	2
Location	Integrated with TE15 Unit
Voltage (Nom.)	2 x 230 VAC, 3 Phase, 60 HZ
Current (Cont.)	2 x (11 amps)
Flow Rate	1.6 GPM

Controller Specifications	
Model	IntelligAIRE III
Networking	Interfaces to multiplexing system (J1939)

# Main HVAC Unit - TE15 All-Electric

## Features & Benefits

The Thermo King TE15 all electric HVAC unit is rear-mounted and includes integrated dual hermetic electric scroll compressors. The TE15 all electric HVAC unit boasts the following benefits:

- Saves fuel by eliminating the effect of variable engine RPM on load and demand
- Optimum A/C unit capacity at all bus speeds
- Hermetically sealed and tested at the factory, no field plumbing, evacuation and charging
- Less mechanical components, thus reduced number of maintenance items

## Air Flow

Hot or cold air is dispersed into the passenger cabin by diffusers located above the passenger lighting and run the full length of the bus. An air return grill (including filter) is located at the rear bulkhead above the rear most passenger seats. Additional three-inch round air louvers are positioned in strategic locations to give the operator control over climate conditions in the driver's compartment.

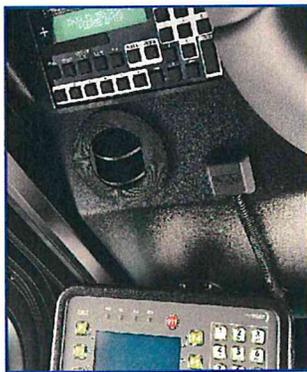
## Maintenance Access

Large exterior maintenance access panel gives technicians access to:

- |                                |                          |                           |
|--------------------------------|--------------------------|---------------------------|
| • IntelligAIRE III controller  | • Condenser motors, fans | • Liquid line sight glass |
| • Evaporator motors, fans      | • Power connectors       | • Expansion valve         |
| • Evaporator and heating coils | • Receiver tank          | • Coolant valve           |
| • Condenser coils              | • Liquid line dryer      | • Pressure relief valve   |



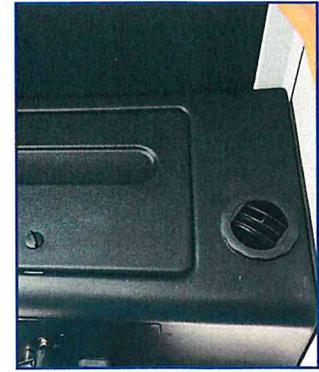
Lower Entrance Door Louver



In front and Overhead of Driver Louver



Behind and Overhead of Driver Louver



Overtop of Entrance Door Louver

# Main HVAC Unit - TE15 All-Electric

## Performance, Testing and Compliance

The Thermo King TE15 all electric HVAC system has undergone performance testing and is compliant to the majority of common industry-standard specification requirements.

Common Industry Standards	Requirement Summary	Compliance
APTA White Book Pull Down	115°F to 95°F in 20 minutes. Full solar load	Yes
Houston Pull Down	110°F to 70°F in 30 minutes	No
APTA White Book Pull Up	-20 °F to 70 °F ±2 °F within 70 minutes	Yes <sup>[3]</sup>

[1] Compliance to this specification may require the use of an additional auxiliary heater for certain geographical regions.

## Warranty

Standard warranty is 2 years/100,000 miles. Extended warranty is available.

## Optional Features

Xcelsior® has a large collection of pre-engineered HVAC equipment options available to tailor a bus's design to a customer's specific needs or geographical region. Additional information is available upon request.



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4C	Technical Information	SIB-549-001 Thermo- King RLF HVAC unit

This unit is used on Hybrid and diesel buses.

Built to **RELY ON.**

## SALES INFORMATION BULLETIN

#549-001 | Model: XcelSior® | Lengths: 35FT, 40FT | Type: Low Floor | Propulsions: Diesel, Hybrid

# Main HVAC System - Thermo King RLF/S391

## Value Proposition

Passenger comfort is of utmost importance, but so is delivering that comfort in a way that is energy efficient and optimized to safeguard vehicle performance and fuel economy. New Flyer believes in providing customers with best-value products and the Thermo King RLF HVAC is exactly that.

## Product Features

The Thermo King RLF HVAC unit is rooftop mounted and coupled with a Thermo King S391 A/C compressor. The unit includes the following features:

- High cooling and heating capacity
- Low power drawn and low noise
- Can use either R134a or R407c
- Micro channel condenser (improves performance)
- Screw compressor (reduces noise)



### MAIN UNIT SPECIFICATIONS

Manufacturer	Thermo King
Model	RLF
Cooling Capacity	105,000 btu/hr(R407c) <sup>[1]</sup> , 88,500 btu/hr(R134a) <sup>[1]</sup>
Heating Capacity	105,000 btu/hr <sup>[2]</sup>
Air Flow	2400 CFM
Refrigerant	R134a or R407c
Unit Weight	402 lbs
Power Drawn	102 amps @ 27 VDC
Dimensions	(LWH): 102.55" x 52" x 26.09"
Mounting	Rooftop
Evap. Motor/fan	TK Brushless/fans X 2
Cond. Motor/fan	TK Brushless/fans X 4

[1] Ambient: 95°F(35°C). Return air: 80°F(26.6°C) dry bulb, 67°F(19.4°C) wet bulb.  
[2] 8 GPM coolant flowrate & 100°F(37.8°C) temperature differential between return air and coolant.

### A/C COMPRESSOR SPECIFICATIONS

Manufacturer	Thermo King
Model	S391
Type	Helical Lobed Screw
Displacement	23.9 in <sup>3</sup> /rev
Speed	3000 rpm max
Dimensions	18.4"X13.9"X16.1"
Weight	147 lbs
Capacity Unloader	two-stage unloading
Drive Type	Belt Driven
Location	Curbside of Engine

### CONTROLLER SPECIFICATIONS

Model	IntelligAIRE III
Networking	Interfaces to multiplexing system (J1939)

## Air Flow

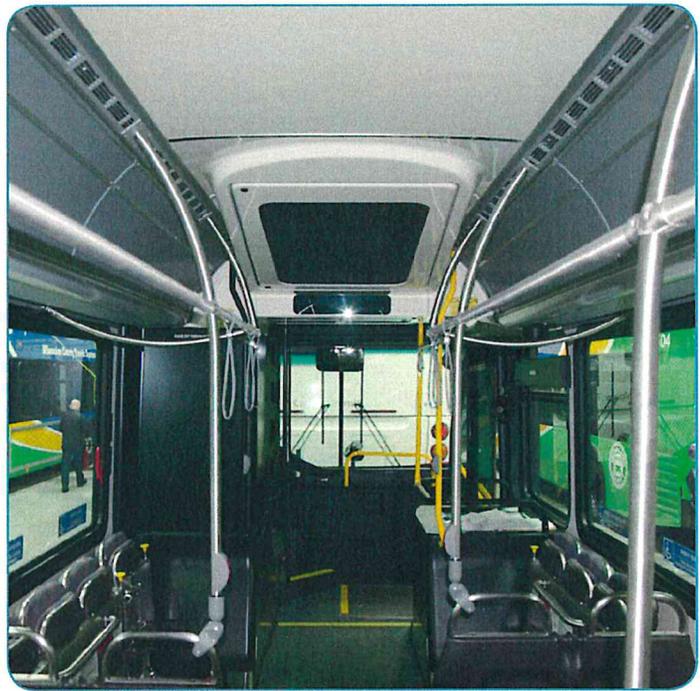
Hot or cold air is dispersed into the passenger cabin by diffusers located above the passenger lighting and run the full length of the bus. An air return grill (including filter) is located in the interior roof at the front of the passenger compartment. Additional three-inch round air louvers are positioned in strategic locations to give the operator control over climate conditions in the driver's compartment.

## Maintenance Access

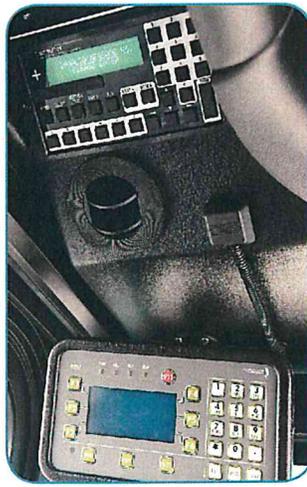
Large interior maintenance access panels give technicians access to:

- IntelligAIRE III controller
- Evaporator motors, fans
- Evaporator and heating coils
- Condenser coils
- Power connectors
- Receiver tank
- Liquid line dryer
- Liquid line sight glass
- Expansion valve
- Coolant valve
- Pressure relief valve

Remaining components can be accessed by removing shielding on the roof.



Lower Entrance  
Door Louver



Infront and Overhead of  
Driver Louver



Behind and Overhead of  
Driver Louver



Overtop of Entrance  
Door Louver



## Performance, Testing & Compliance

The Thermo King RLF HVAC system has undergone performance testing and is compliant to the majority of common industry-standard specification requirements.

### Compliance Table

Common Industry Standards	Requirement Summary	Compliance
APTA White Book Pull Down	115°F to 95°F in 20 minutes. Engine Test Speed; high idle, full solar load	Yes
Houston Pull Down	110°F to 70°F in 30 minutes. Engine Test Speed: 3/4 max engine speed	Yes
APTA White Book Pull Up	-20 °F to 70 °F ±2 °F within 70 minutes	Yes <sup>[3]</sup>

[3] Compliance to this specification may require the use of an auxillary diesel heater for certain geographical regions.

## Warranty

Standard warranty is 2 years/100,000 miles. Extended warranty is available.

## Optional Features

Xcelsior® has a large collection of pre-engineered HVAC equipment options available to tailor a bus's design to a customer's specific needs or geographical region. Additional information is available upon request.



**NEW FLYER OF AMERICA**

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

<b>Section Tab</b>	<b>Title</b>	<b>Bid Submission Requirements</b>
4D	Technical Information	Bulletin on American Seating Insight Seats.

# AMERICAN SEATING

## T R A N S P O R T A T I O N   B U L L E T I N

**Bulletin:** 6468DISC1418  
**Date:** 1/4/2018  
**To:** Transportation Sales Team, Internal and OEM (Bus Builders)  
**From:** Doug Oswald, Marketing Director  
**Subject:** **6468** – Discontinuation of Product Offering

**6468** Seating will only be available for **order entry until June 29, 2018 with shipments concluding no later than September 28, 2018**. This discontinuation has no impact on the availability of aftermarket parts and warranty coverages. For nearly 40 years, the **6468** seat was the standard for heavy duty buses in North America, but over the last decade volumes have dropped off to a level where it is no longer a viable product offering. While the **6468** is no longer a justifiable business, the **American Seating** core offering line-up pictured below of **INSIGHT**<sup>®</sup> (including **INSIGHT-PRIME**<sup>®</sup> and **INSIGHT-PRIME+**<sup>®</sup>), **VISION**<sup>®</sup> and **Metropolitan**<sup>®</sup> are highly capable replacements.



**6468** – Discontinuation in 2018



Core Offering – **INSIGHT**<sup>®</sup>, **VISION**<sup>®</sup> and **Metropolitan**<sup>®</sup>

**INSIGHT** utilizes a one-piece seat module made of a super dense composite resin with an integral grab rail, and has been the largest selling seat in the industry for a decade. **VISION** is an individual module construction made of an all stainless-steel structure and back panel for an enhanced level of vandal resistance with high style. **Metropolitan** is the contemporary version of the **6468** in construction with individual grab rails and waterfall seat inserts.

If you have any questions regarding this bulletin, please call Doug Oswald at (616)732-6416 or e-mail [doug.oswald@amseco.com](mailto:doug.oswald@amseco.com).

Thank you,

Doug Oswald  
Director of Marketing



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4E	Technical Information	SIB-203-002 M.A.N VOK-07F Axle.

## Front Axle and Suspension

### Product Features

The front suspension system consists of the front axle with disc brakes and its brake components: air springs (bellows), height control valves, radius arm assembly, shock absorbers, axle stops and mechanical brake components. Front axle can be fitted with an anti-lock brake system (ABS). This suspension design also consists of a steering damper located in the curb-side wheel-well. Wheel parts are swivel-mounted on king-pins.

### Benefits

- An estimated cost savings of \$1,225 over 12 years for all disc brakes (front and rear) compared to drum brakes
- Less brake noise
- Brakes run cooler
- Larger suspension travel (4" jounce – 4" rebound) to allow for better suspension travel and a smoother ride for customers
- Drop axle allows for lower kneeling and better ramp slope

### Operations

#### Knorr Brakes

Brakes contain internal automatic adjustments.

#### Ride Height

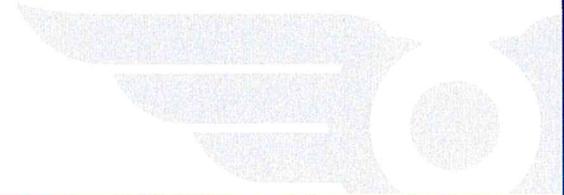
Suspension travel consists of 4" jounce and 4" rebound. Ride height for the front suspension is measured between the axle beam and the rubber stop mounted to the frame of the vehicle.

#### Height Control Valve

The height of the air springs is controlled by height control valves on both front and rear axles. One height control valve on the front axle retains the height of the body in relation to the axle under all loading conditions. The valve has three ports (one for air supply, one for air springs and one for exhaust) and a control arm. A two degree "center dead zone" allows for minor bounces in the suspension without modifying the ride height. Barksdale Leveling Valves are standard.

### Axle Specifications

Manufacturer	M.A.N.
Model Number	VOK-07F
Type	Cast iron dropped beam with hollow center sections, steered, non-driven
Lubrication	M.A.N. utilizes non-serviceable maintenance-free wheel bearings
Gross axle weight rating	15,873 lbs



## Radius Arm Assemblies

The front axle is positioned at the front by four rubber bushed radius arm assemblies, which are also the reaction members of the driving, braking and cornering forces from the road to the bus understructure. The radius rods have been specially designed for reduced axle noise.

## Shock Absorbers

The two KONI front shock absorbers are a double-acting, telescoping type and consist of a piston assembly, a piston rod, a compression head assembly, an inner cylinder, an intermediate cylinder, a dust tube, and a rod seal.

## Axle Stops

Elastomeric axle stops are provided between the axle and frame on each side of the axles to prevent axle and/or frame damage in severe bounce conditions and to allow emergency operation of the vehicle if one or more air bellows are deflated. Front axle stops are incorporated internally in the front air spring/bellows.



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4F	Technical Information	SIB-400-001 Partial stainless-steel structure.

## Partial Stainless Steel Structure

### Product Features

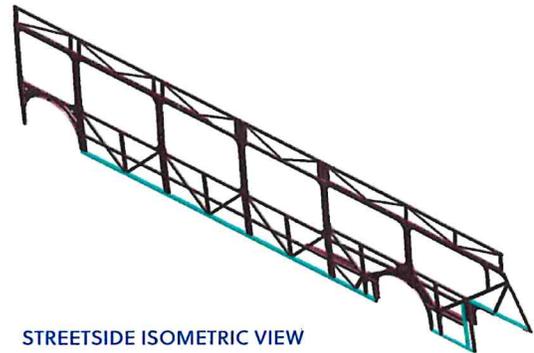
New Flyer is committed to the continuous improvement of both our products and processes with a vast engineering core dedicated to researching new ideas and implementing better designs. The recent design change to a partial stainless steel structure is the latest enhancement to our Xcelsior® product and results in a more corrosion resistant and rugged chassis. To you our customers, this means less downstream maintenance and repair, keeping your bus in active service longer.

The basic frame structure is a semi-monocoque design, using high-strength low-alloy (HSLA) steel sheet and plate (ASTM A242, A588, A606, A568, CSA G40.21 44W, 50A, 50W) and structural tube and channel (ASTM A500, CSA G40.21 50A, 50W) for structural strength and durability.

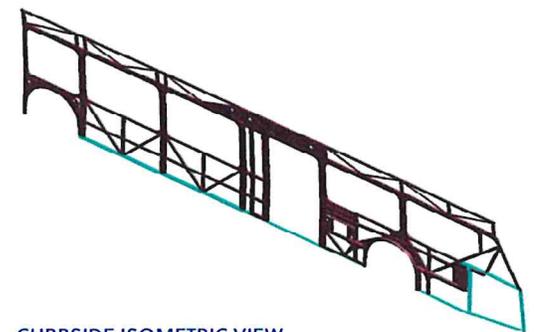
Stainless steel(41003) is employed as an extra line of defense against corrosion to maximize the service life of the structure. Shown in blue in the illustrations, stainless steel is used in areas exposed to extreme salt, chemicals & temperature gradients. Unlike traditional austenitic stainless steel, ferritic stainless steel is easily weldable to HSLA steel, and retains its corrosion resistant properties even after welding. 41003 is also known for its good toughness and weld joints when exposed to cold temperatures.

Where high strength is not required, thin walled tubes (ASTM A513 for tubes with wall thickness less than 1/8") may be employed in the frame. Full length longitudinal members are used, with cross member pillars, roof bows and bulkheads. All joints are Gas Metal Arc Welded (GMAW) using semi-automatic welding equipment. The structural skin carries no load.

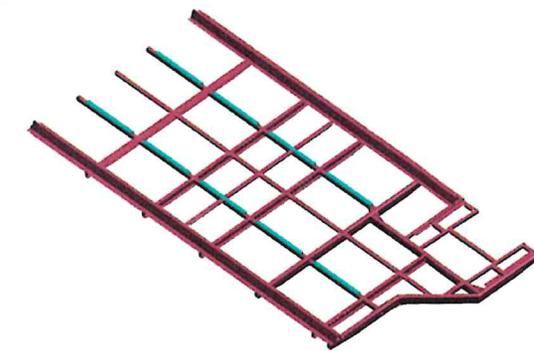
Tapping plates are constructed of steel and are welded (GMAW) to the structure. Gauge of material is specific to the application. All fixtures and accessories that are to be attached to the structure are fastened into these tapping plates via drilling and tapping, clearance holes for rivet or nuts/bolts, by providing a welded on thread or similar. This eliminates the weakening of the structure by avoiding drilling into it where possible.



STREETSIDE ISOMETRIC VIEW



CURBSIDE ISOMETRIC VIEW



CENTER CHASSIS ISOMETRIC VIEW

A skid plate is provided on the street-side lower front portion of the structure. This skid plate is similar in design to the one installed on the curbside of the bus, to protect the wheelchair ramp equipment.

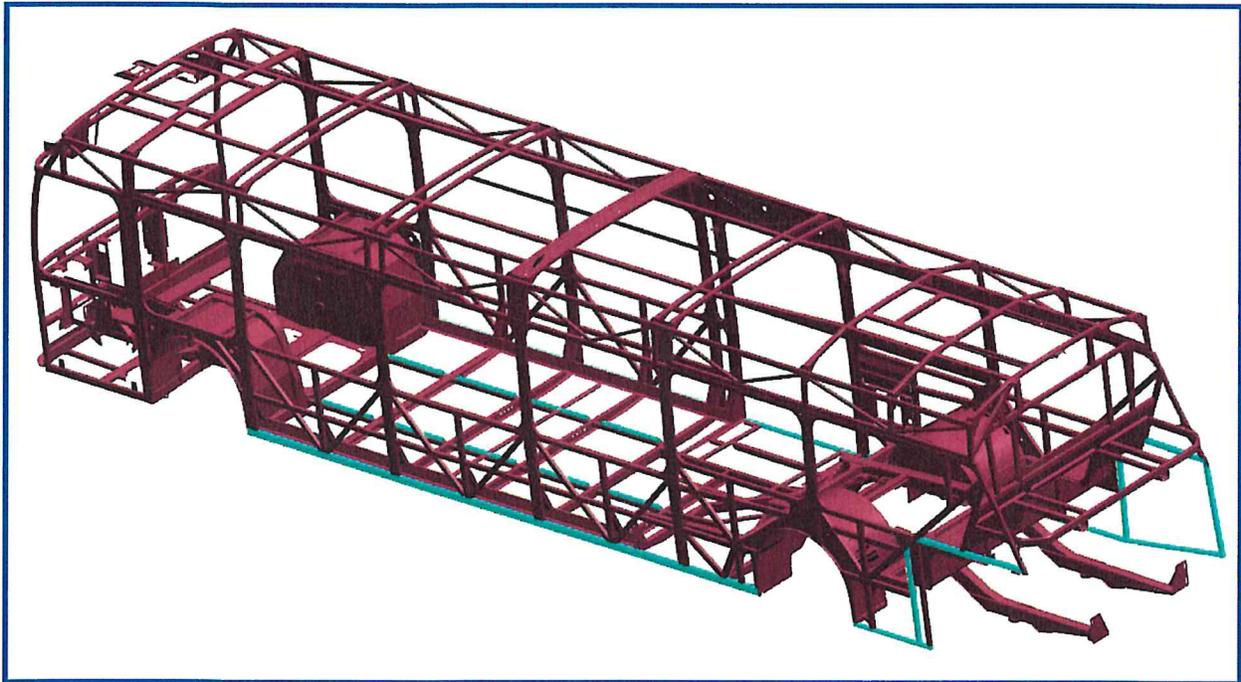
Wheel wells are constructed from 18 gauge 201 stainless steel (ASTM A240) and support by cross tubes constructed from 304 stainless steel.

All welding operations are carried out in compliance with industry standards as well as state and federal laws required to produce OEM heavy duty vehicles for the North American market. All welding personnel are tested periodically and in compliance to either the American Welding Society(AWS) or Canadian Welding Bureau (CWB).

Visual weld inspection occurs by trained and certified weld inspectors on each frame, while NDT (Non-Destructive Testing) is performed on critical welds using die penetrant and/or magnetic particle inspection, depending on the material.

### Minimum Yield/Tensile Strength

HSLA Sheet and Plate	44,000 psi / 65,000 psi
Ferritic Stainless Steel	50,200 psi / 74,400 psi
Structural Tube	50,000 psi / 65,000 psi
Thin Walled Tube	38,000 psi / 52,000 psi





NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4G	Technical Information	SIB-450-001 ACQ plywood Flooring

## Flooring

### Product Features

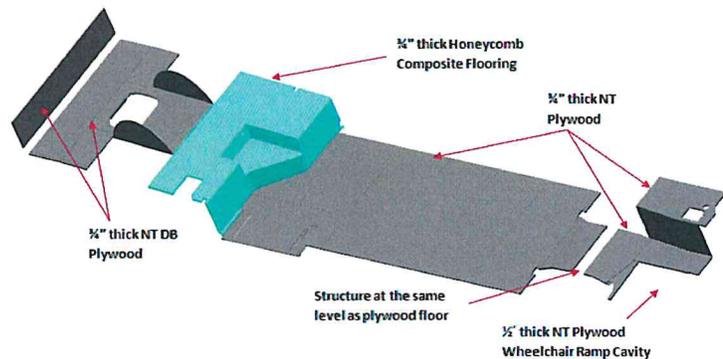
The flooring on the lower deck is a plywood floor with a hardwood veneer face and back that provides a non-telegraphing (NT), smooth surface. The plywood has been pressure-treated with Ammonium Copper Quaternary (ACQ<sup>®</sup>), which is a preservative made of copper, a fungicide and a quaternary ammonium compound (quat), which is an insecticide that augments the fungicidal treatment to control rot and insect damage.

The United States began mandating the use of non-arsenic containing wood preservatives for virtually all use in timber in 2004. Its widespread use has eliminated major quantities of arsenic and chromium previously contained in CCA (Chromate Copper Arsenate).

The flooring for the step and floor to the rear wheelhouse is a cored fibreglass sandwich construction honey-comb composite flooring that is wrapped around the diesel fuel tank installation for improved interior styling. The flooring is lighter in weight and cost-effective.

The flooring from the upper deck to the rear is similar to the plywood on the lower deck, except that it includes a constrained/non-constrained layer of dampened material (dB-ply) NT dB ACQ<sup>®</sup> plywood (engineered acoustic vibration and noise damping panel). The added noise-dampening panel reduces noise in the upper deck and can usually deliver a reduction in noise levels of three to five percent.

The plywood panels are bonded to the vehicle structure using Sika 221 adhesive and spacer tape. The flooring is then secured with manufacturer-recommended, self-tapping screws.



### Benefits

- All panels are specially engineered for heavy-duty transportation applications
- The plywood panels are pressure-preserved with ACQ<sup>R</sup> preservatives to control rot and insect damage
- ACQ<sup>R</sup> is an environmentally friendly treatment and complies with EPA guidelines because it does not use hazardous compounds
- High-grade hardwood veneer plywood provides an excellent substrate for application of floor coverings, creating a smooth finish
- The panels are manufactured to offer excellent durability to withstand loads caused by standing passengers without causing deformation of the floor
- The cut edges of the plywood panels do not require sealing because this product was developed to assure full penetration and retention of ACQ<sup>R</sup>
- The plywood panels meet and exceed US Product Standard PS 1-95 from the Engineered Wood Association (formerly the American Plywood Association)
- The rear noise-dampening panels improve passenger comfort

### Service / Repair

XL<sup>®</sup> (eXtended Life) Bus Panel plywood has a vendor that supports a 12-year limited warranty against damage as a result of rot, wood-eating insects and manufacturing defects.



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4H	Technical Information	Information on Hydraulic Hoses.



**NEW FLYER**

**HYDRAULIC HOSES**

Hydraulic hoses are used to provide a flexible, pressure-resistant, and leakproof connection between various hydraulic components such as pumps, motors, controls, actuators, coolers, and reservoirs.

<b>HOSE SPECIFICATION</b>				
Hose Type	Specification	Construction	Tem. Range	End Fitting
Manuli Equator 1 (EQ1)	Meets or Exceeds SAE J 517 100R2AT Type S, ISO 1436-1 Type 2SN	Tube: Oil-resistant synthetic rubber Reinforcement: Single high-tensile steel braid Cover: Black synthetic rubber with high ozone, weather and heat resistance cover	-67 to 300°F (-55 to 150°C)	Crimped
Manuli Equator 2 (EQ2)	Meets or Exceeds SAE J 517 100R2AT Type S, ISO 1436-1 Type 2SN	Tube: Oil-resistant synthetic rubber Reinforcement: Two high-tensile steel braids Cover: Black synthetic rubber with high ozone, weather and heat resistance cover	-67 to 300°F (-55 to 150°C)	Crimped
2807 PTFE	SAE 100R14A	Extruded PTFE tube with stainless steel single wire braid	-100 to 500°F (-73 to 260°C)	-
Aeroquip GH100	Tested with ASTM D6751 Fuel Temp. Range -40°C to +150°C	Polyester braided cover, Extremely abrasion resistant	-40 to 300°F (-40 to 150°C)	Crimped

**Engine compartment hose assembly applications are as follow:**

- 1) Coolant vent line - Manuli EQ1
- 2) Fuel lines - GH100
- 3) Air line - Manuli EQ1
  - Airline high temp. - 2807 PTFE
- 4) Engine and Trans oil - Manuli EQ1
- 5) Hydraulic and PS lines
  - Suction line - Manuli EQ1
  - Medium pressure and bypass line - Manuli EQ2
  - High pressure - Manuli EQ2



MANULI EQUATOR 1



MANULI EQUATOR 2



Aeroquip 2807 PTFE



Aeroquip GH100



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4I	Technical Information	SIB-260-001-X Battery System

## Battery System

Xcelsior® is designed with an easily-accessible, rugged and simple-to-use battery system.

### Battery Tray

The battery enclosure and tray are constructed from a combination of heavy-duty 3/16" polyethylene plastic and stainless steel. This design is proven to eliminate corrosion as well as dampen any mechanical vibrations. Furthermore, a slide-out tray system improves access to the batteries for maintenance purposes.

### Battery Cable

Battery cables are #4/0 gauge. Red plastic over mold terminals are used to designate 24 VDC Positive, blue are used for 12 VDC positive and black for negative (ground). The battery disconnect switch is wired into the positive cables.

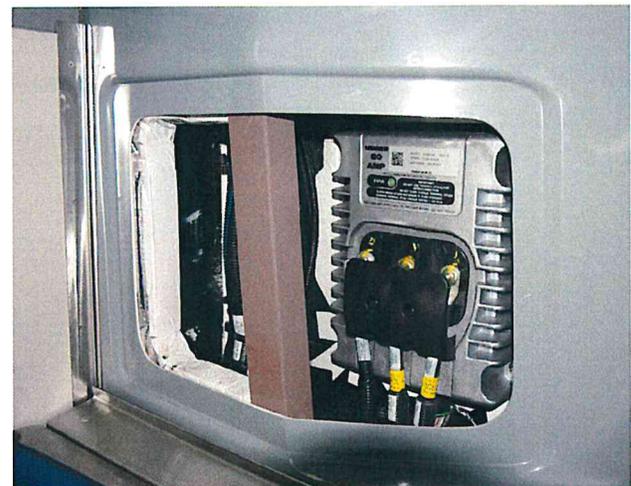
### Voltage Equalizer

The voltage equalizer is a battery management system used to keep individual batteries in voltage equilibrium with each other. The main advantage of this system is it prevents overcharging and battery boiling scenarios which critically reduce the life of a battery. Access to the equalizer can be gained through the interior bulkhead access panel.

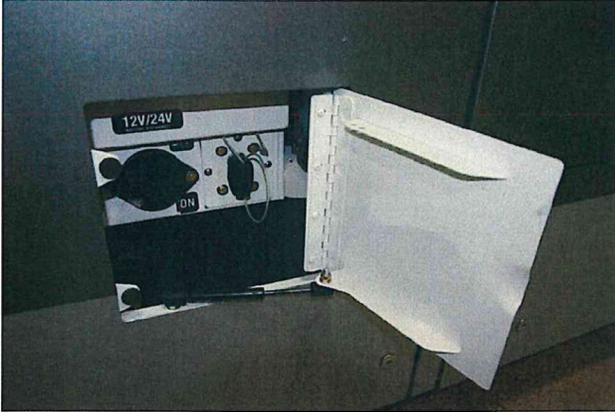
- Ensures battery voltages remain equal and that individual batteries are charged accordingly.
- Connected to the battery system at the 12 VDC, 24 VDC and Negative (ground) points.
- Maintains charge acceptance rate of each battery to within 0.05 volts at light load and 0.1 volts at full rated load
- OPTION - a monitored equalizer is available with an internal electronic monitoring designed to monitor several critical functions in the electrical system. This unit provides fault signals that can be wired to warning lights, buzzers or other control/warning devices.



Battery Tray & Cable



Voltage Equalizer



Battery Disconnect Switch

## Battery Disconnect Switch

The battery disconnect switch is located on the fuse box, behind the curbside engine compartment access door. This switch isolates the batteries from the vehicle electrical system. A separate (smaller) access door is provided to allow disconnection of electrical power without having to open the curbside engine access door.

- Rotary two-position switch (on/off) functions to disconnect the batteries from the vehicle 12/24VDC electrical systems.
- OPTION - A limit switch can be incorporated to disable the engine ignition and shut down the engine if the battery disconnect switch is set to the off position.



Fuse Box and Optional jump start

## Fuse Box

Fuse Box A fuse box located behind the curbside engine access door is used to house the vehicle fuse panel, circuit breaker panel, battery disconnect switch, voltage regulator and compartment light switch. The fuse box is constructed from aluminum and sealed from dirt and debris.



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

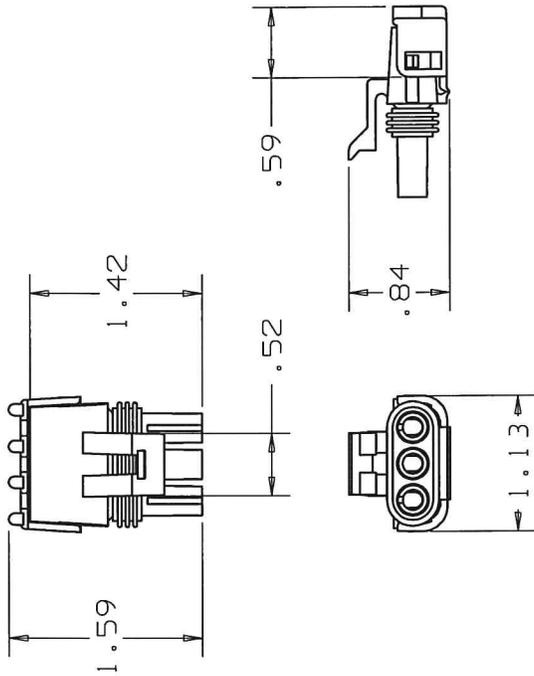
**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4J	Technical Information	Drawing number 185340 and 104043 Electrical connectors.

4 3 2 1

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

REV	DESCRIPTION	ECO
C	1) TITLE DESCRIPTION WAS "CONNECTOR 3-WAY WEATHERPACK" 2) DRAWING DIDN'T EXIST, P/N INFO WAS SHOWN ON DWG 102B73 3) PART REDEFINED IN UG	215805



ISOMETRIC VIEW  
FOR REFERENCE ONLY

MANUFACTURER NAME: DELPHI  
 MANUFACTURER P.N.: 12015793  
 MANUFACTURER SERIES: WEATHER PACK  
 GENDER: PLUG  
 CAVITIES QUANTITY: 3  
 COLOR: BLACK  
 MATERIAL: NYLON  
 CURRENT RATING: 20A-25A  
 FOR ADDITIONAL PARTS AND DETAILS SEE NF1L SPEC 436800

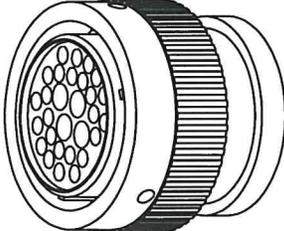
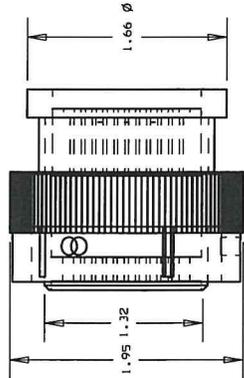
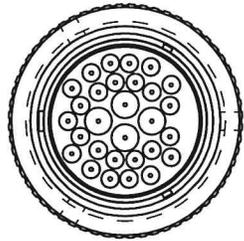
DO NOT SCALE DRAWING		UNSPEC'D TOLS.		TITLE	
DIMENSIONS IN 1/16 ARE IN m.m.		.X	±.12	CONN-3CCT TWR WEATHER PACK	
THD ANGLE		.XXX	±.06	PART N°	
BY	NAME DD-MMM-YY	HOLE DIA.	±.03	104043	
DRAWN	M.O.S. 13-JUL-11	BEND RADII.	±.03	NEW FLYER	
CHK'D		ANGLE TOL.	±1°	SCALE 1:1	
APP'D		SIMILAR TO	-	SHEET 1 OF 1	
		TREATMENT	NOT REQUIRED	REPORT ALL ERRORS TO ENG. DEPT. 1	

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN.  
 (C) 2011 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

4 3 2 1

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

REV	DESCRIPTION	ECO
B	1) VIEWS ADDED 2) INFORMATION UPDATED 3) TITLE WAS "PLUG-29CCT HDP L017"	ECN-004142



MANUFACTURER NAME: DEUTSCH  
 MANUFACTURER P.N.: HDP26-24-29SE-L017  
 MANUFACTURER SERIES: HDP20  
 GENDER: PLUG  
 CAVITIES QUANTITY: 29  
 COLOR: BLACK  
 MATERIAL: PLASTIC  
 CURRENT RATING: 13A  
 FOR ADDITIONAL PARTS AND DETAILS SEE NFIL SPEC 436800

DO NOT SCALE DRAWING	THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN. (C) 2012 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.		
DIMENSIONS IN ( ) ARE IN m.m.			
THD ANGLE			
BY	NAME	DD-MMM-YY	
DRAWN	T.-J.M.	02-FEB-12	
CHK'D			
APP'D			

MATERIAL	UNSPEC'D TOLS., DEC.IN.	TITLE
N/A	.X .XX .XXX HOLE DIA. BEND RADI. ANGLE TOL.	CONN-29CCT TWR HDP
WEIGHT	±.12 ±.06 ±.03 ±.015 ±.1	PART N° 185340
N/A		NEW FLYER
TREATMENT	SIMILAR TO	SCALE NTS
NOT REQUIRED		B
		SHEET 1 OF 1

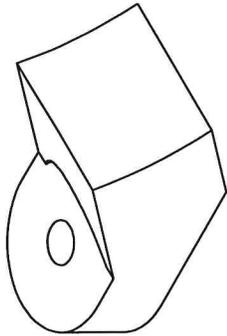
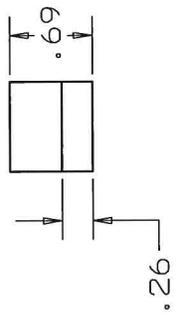
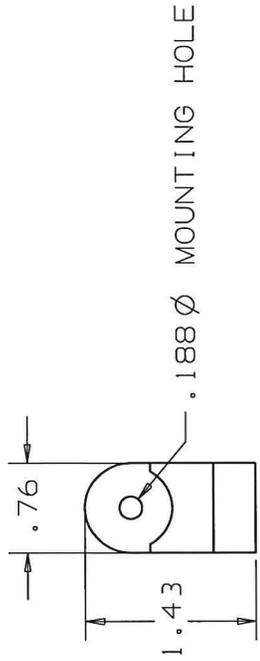


**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4K	Technical Information	Drawing number 293509,293522 and 351161. Clamps and tie wraps.

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING



ISOMETRIC VIEW  
FOR REFERENCE ONLY

TECHNICAL DATA:

MATERIAL: POLYAMIDE 6.6 IMPACT MODIFIED, HEAT STABILIZED, UV RESISTANT (PA66HIRHS)  
 OPERATING TEMPERATURE: -40°F to +230°F CONTINUOUS  
 FLAMMABILITY: UL94 HB (HORIZONTAL BURN)  
 TORQUE CAPACITY: 115 LB-IN

VENDOR INFORMATION:

VENDOR: HELLERMAN  
 VENDOR P/N: HDM190HIRC2 (QTY: 100)  
 HDM190HIRH4 (QTY: 500)

DO NOT SCALE DRAWING	
DIMENSIONS IN ( ) ARE IN m.m.	
THD ANGLE	
BY	NAME DD-MMM-YY
DRAWN	T.J.M. 22-NOV-12
CHK'D	
APP'D	

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN.  
 (C) 2012 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

MATERIAL	UNSPEC'D TOLS.	DEC.IN.
-	.X	#.12
-	.XXX	#.06
WEIGHT	HOLE DIA.	#.03
-	BEND RADII.	#.03
	ANGLE TOL.	±1°
TREATMENT NOT REQUIRED	SIMILAR TO	
-	-	

TITLE	
MOUNT-CABLE TIE 3/16 EYE	
	PART N°
NEW FLYER	293509
SCALE 1:1	SHEET 1 OF 1 (INX)

REV	DESCRIPTION	ECO
D	PICTORIAL UPDATE.	ECN-01.3456

4 3 2 1

C B C B A

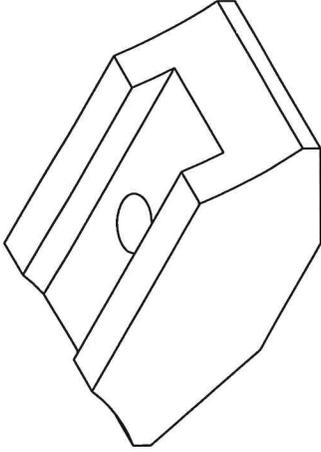
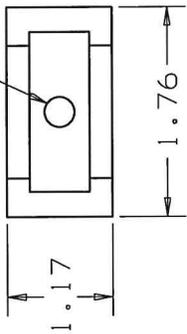
4 3 2 1 REPORT ALL ERRORS TO ENG. DEPT.

4 3 2 1

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

REV	DESCRIPTION	ECO
C	1) TECHNICAL DATA AND VENDOR INFORMATION UPDATED (B2, A2) 2) MOUNTING HOLE DIMENSION UPDATED (C3)	ECN-010725

.250  $\phi$  MOUNTING HOLE



ISOMETRIC VIEW  
FOR REFERENCE ONLY



TECHNICAL DATA:

MATERIAL: POLYAMIDE 6.6 IMPACT MODIFIED, HEAT STABILIZED, UV RESISTANT (PA666HIRHS)  
OPERATING TEMPERATURE: -40°F to +230°F CONTINUOUS  
FLAMMABILITY: UL94 HB (HORIZONTAL BURN)

VENDOR INFORMATION:

VENDOR: HELLERMAN  
VENDOR P/N: S2CM258HIRSHI

DO NOT SCALE DRAWING	THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN.	
DIMENSIONS IN I 1 ARE IN m.m.	(C) 2012 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.	
THD ANGLE		
BY	NAME	DD-MMM-YY
DRAWN	N.G.D.	06-SEP-12
CHK'D		
APP'D		

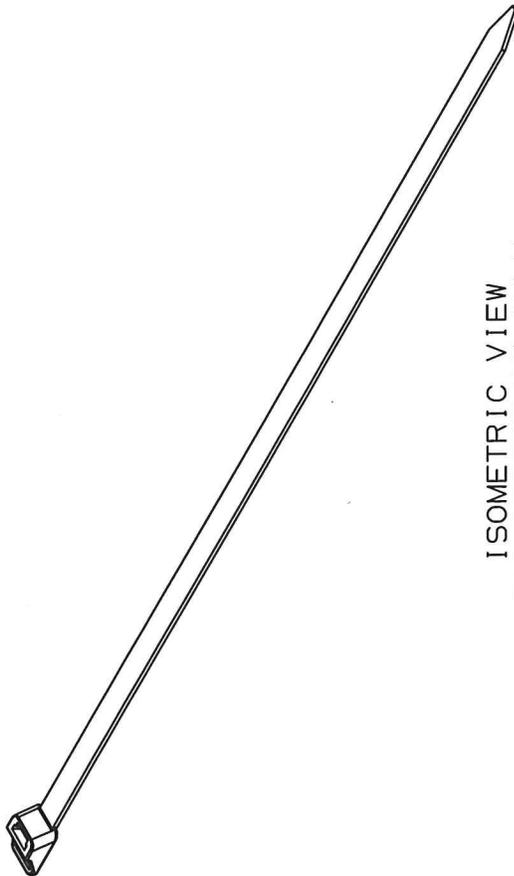
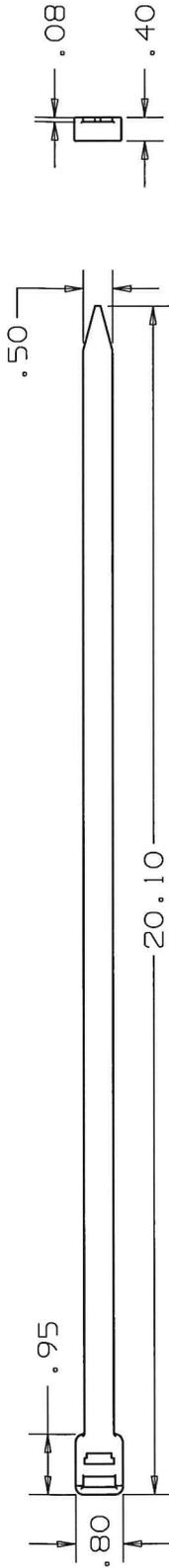
MATERIAL	UNSPEC'D TOLS.	DEC. IN.	TITLE
-	.X .XX .XXX	±.12 ±.06 ±.03	MOUNT-CABLE TIE 2-WAY 1/4 EYE
WEIGHT	HOLE DIA.	±.015	PART N°
-	BEND RAD I.	±.03	293522
TREATMENT	ANGLE TOL.	±1°	NEW FLYER
NOT REQUIRED	SIMILAR TO	-	SCALE 1:1
-	-	-	B SHEET 1 OF 1

REPORT ALL ERRORS TO ENG. DEPT. 1	
-----------------------------------	--

4 3 2 1

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

REV	DESCRIPTION	ECO
E	NOTE ADDED (B2)	ECN-01.3306



ISOMETRIC VIEW FOR REFERENCE ONLY

**TECHNICAL DATA:**  
 RELEASABLE LASHING TIE

MATERIAL: WEATHER RESISTANT NYLON 6.6  
 OPERATING TEMPERATURE: -40°F TO +239°F  
 FLAMMABILITY: UL94 HB (HORIZONTAL BURN)

**VENDOR INFORMATION:**

VENDOR: PANDUIT  
 VENDOR P/N: PRT5EH-C30  
 (THIS WILL BE THE PRIMARY PART NUMBER USED FOR ALL FUTURE DESIGNS AND REFERENCES)

DO NOT SCALE DRAWING		THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN. (C) 2012 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.	
DIMENSIONS IN ( ) ARE IN m.m.		UNSPEC'D TOLS.	DEC. IN.
TWD ANGLE		.X	±.12
BY NAME DD-MMM-YY		.XXX	±.06
DRAWN N.O.D. 26-NOV-12		HOLE DIA.	±.03
CHK'D		BEND RADI.	±.015
APP'D		ANGLE TOL.	±1
		SIMILAR TO	
		-	
		TREATMENT NOT REQUIRED	
		-	
		WEIGHT	
		-	
		MATERIAL	
		-	
		TITLE	
		CABLETIE-WIDE HEAVY-DUTY	
		PART N°	
		351161	
		SCALE 1:2	
		SHEET 1 OF 1	



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4L	Technical Information	Drawing 473362 Decals we provide.





**NEW FLYER OF AMERICA**

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4M	Technical Information	Part number 504374 Labeling of Cables.

Built to **RELY ON.**





**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

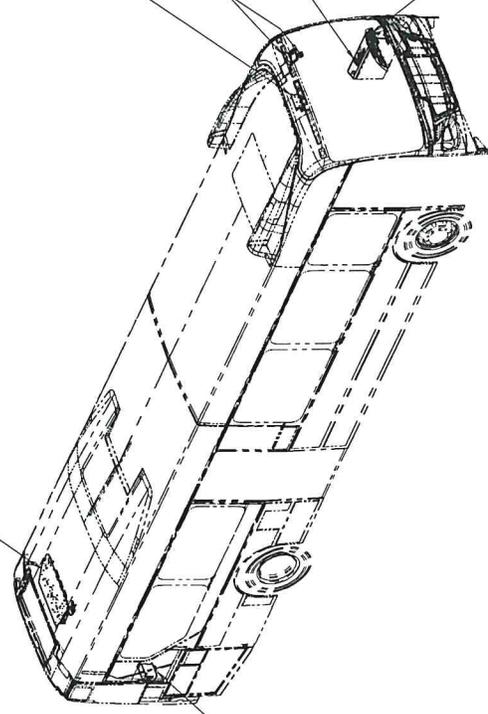
Section Tab	Title	Bid Submission Requirements
4N	Technical Information	Drawing 422841 Drivers controls.

DRAWING N°  
422841

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS ARE RESERVED. IT IS TO BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER INDUSTRIES CANADA ULC. © 2014 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

REAR PANEL  
SEE SHEET 3



DESTINATION  
SIGN PANEL  
SEE SHEET 3

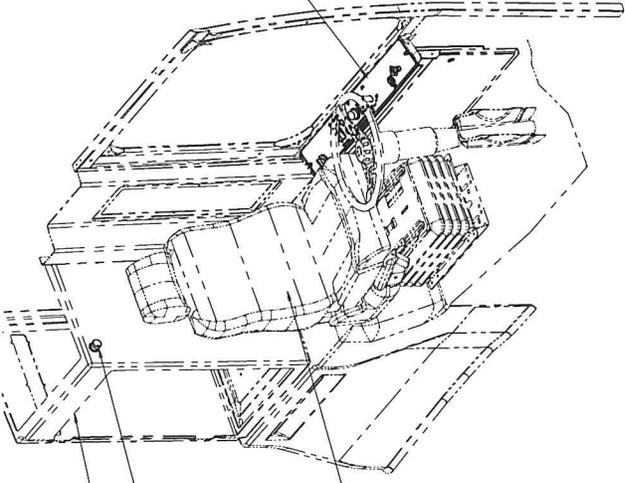
DRIVER'S  
OVERHEAD CONTROLS  
SEE SHEET 3

DRIVER'S  
SIDE CONSOLE  
SEE SHEET 2

DRIVER'S  
INSTRUMENT PANEL  
SEE SHEET 2

ENGINE  
COMPARTMENT  
SWITCH BOX  
SEE SHEET 3

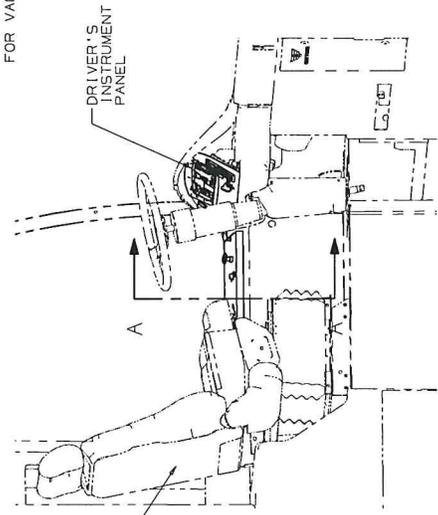
SDS  
ENCLOSURE  
9-PIN DIAGNOSTIC CONNECTOR  
FOR POWERTRAIN J1939  
AND CHASSIS J1939



DRIVER'S  
SEAT

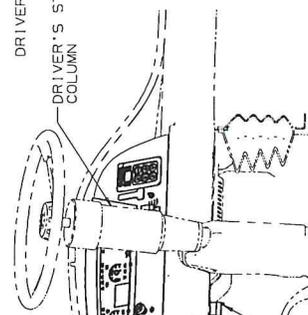
DRIVER'S  
SIDE CONSOLE

USB PORT  
MULTI-PLUX  
SYSTEM  
FOR VANSO



DRIVER'S  
INSTRUMENT  
PANEL

DRIVER'S  
SEAT



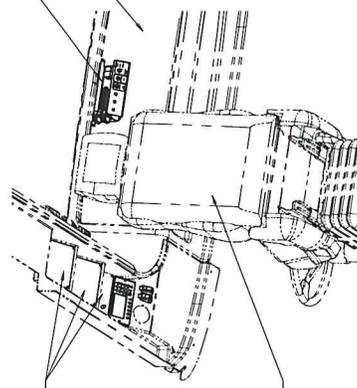
DRIVER'S  
STEERING  
COLUMN

DRIVER'S  
OVERHEAD  
CONTROLS

DRIVER'S  
SEAT

DESTINATION  
SIGN PANEL

DESTINATION  
SIGN COMPARTMENT



SECTION A - A

DO NOT SCALE DRAWING
DIMENSIONS IN ( ) ARE IN mm.
THD ANGLE
DRAWN BY JASEN FULLANTE
DATE (DD-MMM-YY) 25-FEB-14

9-PIN DIAGNOSTIC CONNECTOR  
FOR POWERTRAIN J1939  
AND CHASSIS J1939

REV	DESCRIPTION
R	SHEET APPROVED
E	SHEET DROPPED
ECO	ECO

MATERIAL N/A	NUMBER OF TUBES N/A	ISSUE IN 1.06	TITLE APPROV-DRIVER'S CONTROL
WEIGHT N/A	XXX HOLE DIA. HOLE PATTERN HOLE DIA.	1.05	PART N° 422841
TREATMENT NOT REQUIRED	SIMILAR TO	SCALE NTS	NEW FLYER
			SHEET 1 OF 4

REPORTABLE ERRORS

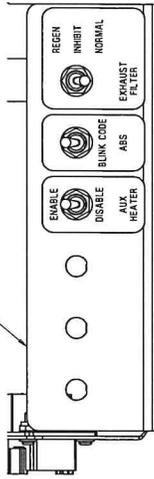


DRAWING N°  
422841

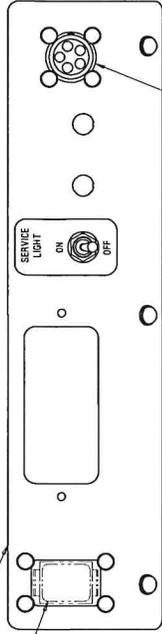
NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MPF BOM SHEET FOR PARTS LISTING

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC. IT IS TO BE USED ONLY FOR THE PURPOSES STATED HEREIN. IT IS TO BE KEPT IN CONFIDENTIALITY AND NOT TO BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN PERMISSION OF NEW FLYER INDUSTRIES CANADA ULC. ANY UNAUTHORIZED REPRODUCTION OR USE OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF NEW FLYER INDUSTRIES CANADA ULC. IS STRICTLY PROHIBITED. ALL RIGHTS RESERVED.

DESTINATION SIGN PANEL

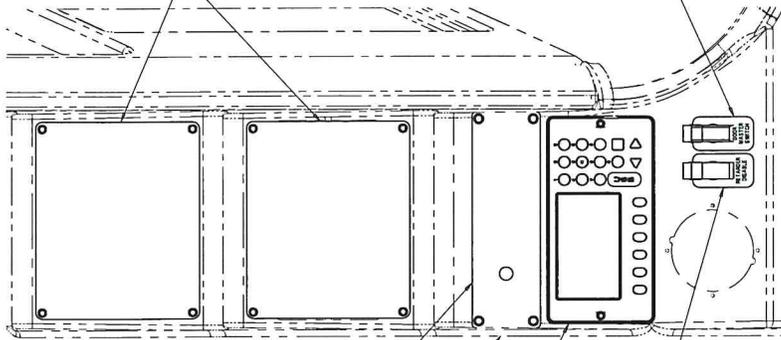


REAR PANEL SWITCH ASSEMBLY

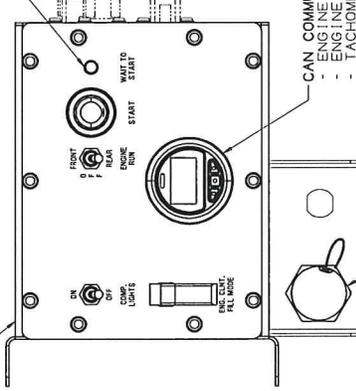


SPHEROS DIAGNOSTIC CONNECTOR

FRONT OF COACH



ENGINE COMPARTMENT SWITCH BOX



AMBER INDICATOR LIGHT

CAN COMMUNICATOR FEATURES

- ENGINE OIL PRESSURE
- ENGINE WATER TEMPERATURE
- TACHOMETER
- 12V AND 24V BATTERY VOLTAGES
- ACTIVE FAULTS

9-PIN DIAGNOSTIC CONNECTOR FOR POWERTRAIN J1939

VIEW LOOKING UP FROM DRIVER'S SEAT

DO NOT SCALE DRAWING
DIMENSIONS IN 1/8"
ARE IN M.M.
THD ANGLE
DRAWN BY
JASEN FALLANTE
DATE (DD-MMM-YY)
25-FEB-14

REV	R	SHEET EXCHANGED	ECO
DESCRIPTION	ECO		

MATERIAL	N/A	APPROX'D TOL'S	REG. IN.	TITLE
WEIGHT	N/A	XX	0.06	APPROV-DRIVER'S CONTROL
TREATMENT	NOT REQUIRED	XX	0.015	PART N°
		XX	0.015	422841
		XX	0.015	NEW FLYER
		XX	0.015	SCALE: MTS
		XX	0.015	D
		XX	0.015	SHEET 3 OF 4
		XX	0.015	FOR PARTS LISTING





**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
40	Technical Information	Drawings 211040 and 455738 Silent alarm options

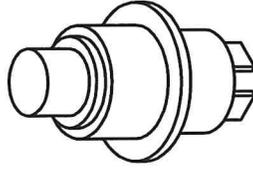
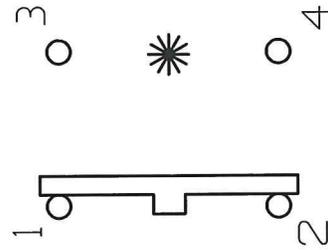
THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN. (C) 2011 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

REV	DESCRIPTION	ECO
B	1) TITLE WAS 'SWITCH-SILENT ALARM' 2) DESCRIPTION WAS 'DPST PUSHBUTTON SWITCH' 3) VENDOR CONTACT INFORMATION - DELETED 4) MANUFACTURER P/N WAS VENDOR P/N	217526

DESCRIPTION: MOMENTARY PUSHBUTTON, DOUBLE CONTACT CONTACTS 1, 2: NORMALLY CLOSED CONTACTS 3, 4: NORMALLY OPEN

MANUFACTURER: OTTO ENGINEERING  
MANUFACTURER P/N: P3-61612

VENDOR: ALCOM ELECTRONICS



\* - INDICATES MOMENTARY CONTACT

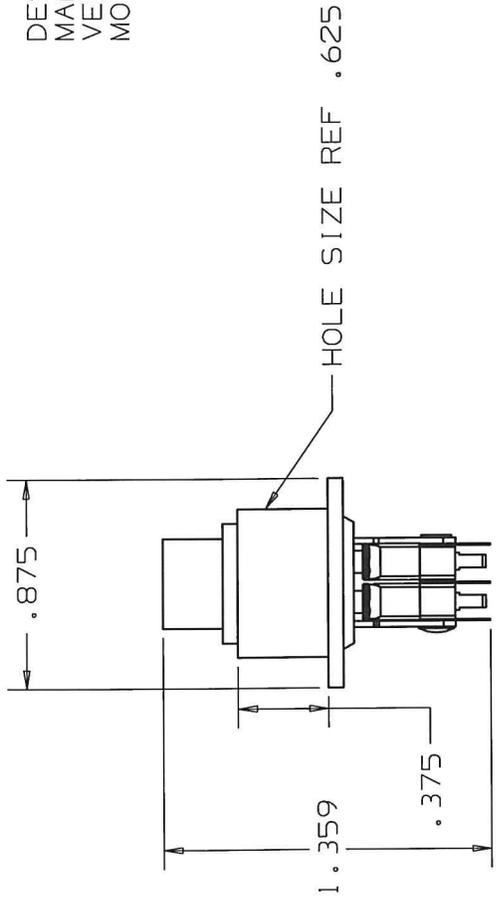
DO NOT SCALE DRAWING	MATERIAL	UNSPEC'D TOLS.	DEC.IN.	TITLE
DIMENSIONS IN [ ] ARE IN m.m.	-	.X .XX .XXX	±.12 ±.06 ±.03	SWITCH-PUSHBUTTON MOM, NC, NO
THD ANGLE	WEIGHT	HOLE DIA. BEND RADII. ANGLE TOL.	±.015 ±.03 ±1°	PART N° 211040
BY NAME DD-MMM-YY	TREATMENT	NEW FLYER		
DRAWN D.J.P. 25-FEB-11	NOT REQUIRED	SCALE NTS		
CHK'D	-	A SHEET 1 OF 1 (NX)		
APP'D	-	SIMILAR TO		

REPORT ALL ERRORS TO ENG. DEPT.

4 3 2 1

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

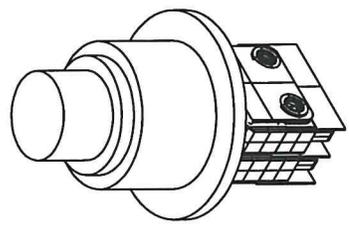
REV	DESCRIPTION	ECO
B	1) ADDED ASTERISK AND DASHED LINE TO CONTACT SCHEMATIC (B2)	ECN-001083



DESCRIPTION: DPDT MOMENTARY PUSHBUTTON SWITCH  
 MANUFACTURER: OTTO ENGINEERING  
 VENDOR P/N: P4-614122  
 MOUNTING HARDWARE SUPPLIED

3	2
4	1
4	1
3	2
4	1

CONTACT SCHEMATIC



ALL DIMENSIONS ARE REFERENCE ONLY

DO NOT SCALE DRAWING	THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES ("NEW FLYER"). THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN.
DIMENSIONS IN I J ARE IN m.m.	(C) 2011 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.
THD ANGLE	
BY	NAME DD-MMM-YY
DRAWN	R.B.T. 03-OCT-11
CHK'D	
APP'D	

MATERIAL	UNSPEC'D TOLS.	DEC. IN.
-	.X .XX .XXX	±.12 ±.06 ±.03
WEIGHT	HOLE DIA. BEND RADI.	±.015 ±.03
TREATMENT	SIMILAR TO	
NOT REQUIRED		

TITLE	SCALE	NTS	B	SHEET 1 OF 1
SWITCH-SILENT ALARM				
PART N°	455738			
NEW FLYER				

REPORT ALL ERRORS TO ENG. DEPT.	1
---------------------------------	---

4 3 2 1



NEW FLYER OF AMERICA

**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

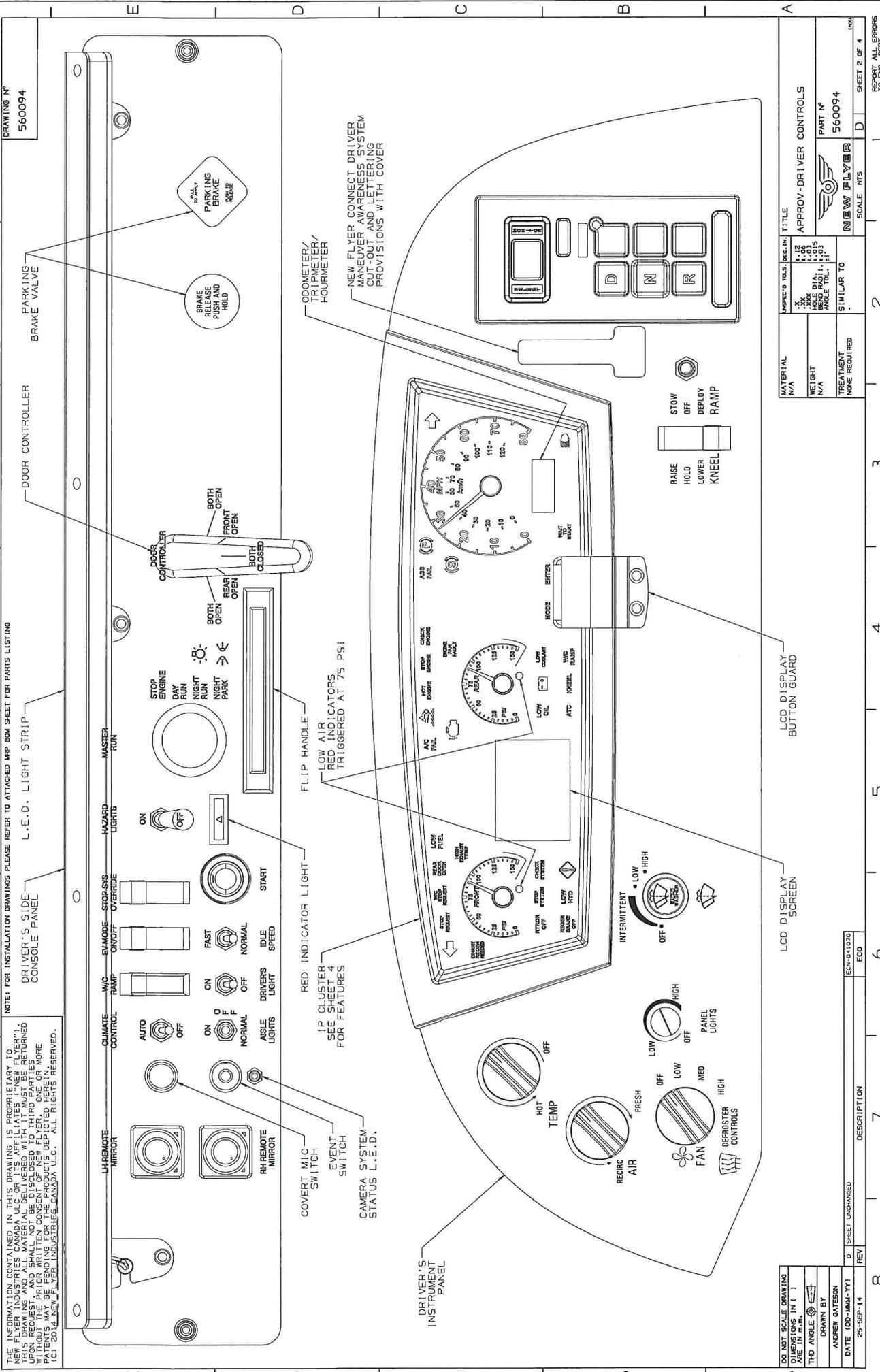
Section Tab	Title	Bid Submission Requirements
4P	Technical Information	Drawing 560094 Drivers controls.



THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THIS DRAWING AND ALL MATERIAL DELIVERED WITH IT MUST BE RETURNED UPON REQUEST AND SHALL NOT BE DISCLOSED TO THIRD PARTIES. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF NEW FLYER INDUSTRIES CANADA ULC. IS STRICTLY PROHIBITED. PATENTS MAY BE PENDING FOR THE PRODUCTS DEPICTED HEREIN. © 2014 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MP 800 SHEET FOR PARTS LISTING

DRAWING N°  
560094



DO NOT SCALE DRAWING	DATE	25-SEP-14
DIMENSIONS IN ( ) ARE IN mm	REV	D
THD ANGLE	DESCRIPTION	ECO
DRAWN BY		
ANDREW GATSON		
DATE (DD-MM-YY)		

ECO-04.070	ECO
SHEET UNCHANGED	8

MATERIAL	N/A	APPROXIMATE WEIGHT	1.05
WEIGHT	N/A	APPROXIMATE LENGTH	1.05
TREATMENT	NONE REQUIRED	APPROXIMATE WIDTH	1.05
		APPROXIMATE AREA	1.05
		APPROXIMATE VOLUME	1.05
		APPROXIMATE SURFACE AREA	1.05
		APPROXIMATE PERIMETER	1.05
		APPROXIMATE MASS	1.05
		APPROXIMATE MOMENT OF INERTIA	1.05
		APPROXIMATE CENTER OF GRAVITY	1.05
		APPROXIMATE TORSION	1.05
		APPROXIMATE STIFFNESS	1.05
		APPROXIMATE DUCTILITY	1.05
		APPROXIMATE FATIGUE	1.05
		APPROXIMATE CORROSION	1.05
		APPROXIMATE WEAR	1.05
		APPROXIMATE CRACKING	1.05
		APPROXIMATE DELAMINATION	1.05
		APPROXIMATE BONDING	1.05
		APPROXIMATE PAINTING	1.05
		APPROXIMATE FINISHING	1.05
		APPROXIMATE ASSEMBLY	1.05
		APPROXIMATE DISASSEMBLY	1.05
		APPROXIMATE REPAIR	1.05
		APPROXIMATE MAINTENANCE	1.05
		APPROXIMATE STORAGE	1.05
		APPROXIMATE HANDLING	1.05
		APPROXIMATE SHIPPING	1.05
		APPROXIMATE UNLOADING	1.05
		APPROXIMATE INSPECTION	1.05
		APPROXIMATE TESTING	1.05
		APPROXIMATE CERTIFICATION	1.05
		APPROXIMATE RECORDING	1.05
		APPROXIMATE REPORTING	1.05
		APPROXIMATE ARCHIVING	1.05
		APPROXIMATE RETRIEVAL	1.05
		APPROXIMATE DESTRUCTION	1.05
		APPROXIMATE DISPOSAL	1.05
		APPROXIMATE RECYCLING	1.05
		APPROXIMATE REUSE	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
		APPROXIMATE DOWNGRADES	1.05
		APPROXIMATE REPLACEMENTS	1.05
		APPROXIMATE REPAIRS	1.05
		APPROXIMATE MODIFICATIONS	1.05
		APPROXIMATE UPGRADES	1.05
	</		



DRAWING N°  
560094

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MP BOM SHEET FOR PARTS LISTING

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES. ALL RIGHTS ARE RESERVED. THIS DRAWING AND ALL MATERIALS DELIVERED WITH IT MUST BE RETURNED UPON REQUEST, AND SHALL NOT BE DISCLOSED TO THIRD PARTIES. PATENTS MAY BE PENDING FOR CONCEPTS DEVELOPED HEREON. MORE INFORMATION IS AVAILABLE FROM NEW FLYER INDUSTRIES CANADA ULC. (C) 2014 NEW FLYER INDUSTRIES CANADA ULC.

IP CLUSTER INDICATORS

INDICATOR NAME	COLOR	BUZZER YES/NO	ENABLE/DISABLE
LEFT TURN	GREEN	CLICKER	ENABLED
EXHAUST REGEN NEEDED	AMBER	NO	ENABLED
STOP REQUEST	RED	NO	ENABLED
W/C STOP REQUEST	AMBER	NO	ENABLED
REAR DOOR OPEN	RED	NO	ENABLED
HIGH EXHAUST TEMP	AMBER	NO	ENABLED
LOW FUEL	AMBER	NO	ENABLED
A/C FAIL	RED	NO	ENABLED
MIL SYMBOL	AMBER	NO	ENABLED
LOW DEF SYMBOL	AMBER	NO	ENABLED
HOT ENGINE	RED	YES	ENABLED
STOP ENGINE	RED	YES	ENABLED
CHECK ENGINE	AMBER	NO	ENABLED
ENGINE FAN FAULT	AMBER	NO	ENABLED
ABS FAIL	AMBER	NO	ENABLED
STOP LAMPS	RED	NO	ENABLED
PARKING BRAKE	RED	NO	ENABLED
RIGHT TURN	GREEN	CLICKER	ENABLED
RTDR OFF	RED	NO	DISABLED
REGEN BRAKE OFF	RED	NO	DISABLED
STOP SYSTEM	RED	YES	ENABLED
LOW HYD	RED	NO	DISABLED
WAIT TO START	AMBER	NO	ENABLED
HIGH BEAM	BLUE	NO	ENABLED
LOW OIL	RED	YES	ENABLED
ATC	AMBER	NO	ENABLED
LOW BATTERY	RED	NO	ENABLED
KNEEL	AMBER	NO	ENABLED
LOW COOLANT	AMBER	YES	ENABLED
W/C RAMP	RED	NO	ENABLED
CHECK SYSTEM	AMBER	NO	ENABLED
EXCLAMATION SYMBOL	ON WITH LCD INDICATOR	NO	ENABLED

IP LCD BAR GRAPHS

SCREEN 1

GAUGE NAME	RANGE	UNIT OF MEASURE	INDICATOR
DEF GAUGE	0-100	PERCENT	LOW DEF CLUSTER INDICATOR ACTIVATED AT 10%, FLASHING AT 5%
12V VOLTMETER	9-18	VOLTS	LOW BATTERY CLUSTER INDICATOR ACTIVATED AT 11V
24V VOLTMETER	18-36	VOLTS	LOW BATTERY CLUSTER INDICATOR ACTIVATED AT 23V
AUX AIR GAUGE	0-150	PSI	EXCLAMATION SYMBOL CLUSTER INDICATOR ACTIVATED FOR BAD SENSOR

SCREEN 2

GAUGE NAME	RANGE	UNIT OF MEASURE	INDICATOR
DEF GAUGE	0-100	PERCENT	LOW DEF CLUSTER INDICATOR ACTIVATED AT 10%, FLASHING AT 5%
WATER TEMP GAUGE	100-250	F/FAHRENHEIT	HOT ENGINE CLUSTER INDICATOR ACTIVATED AT 217°

IP LCD INDICATORS

INDICATOR NAME	COLOR	BUZZER YES/NO
AUX HEATER FAULT	AMBER	NO
RH HDLP FLT	AMBER	NO
RH TRN FLT	AMBER	NO
LH HDLP FLT	AMBER	NO
LH TRN FLT	AMBER	NO
STRTR LOCK OUT	AMBER	NO
KNEEL SNR FAULT	AMBER	NO
INTER LOCK	RED	NO
MOTOR OVER SPEED	RED	YES
REGEN BRAKE ON	AMBER	NO
TAIL LAMPS FAULT	AMBER	NO
STOP LAMPS FAULT	RED	YES
EXT LAMPS FAULT	AMBER	NO
CLNT FILL MODE	RED	NO
INTER LOCK FAULT	RED	NO
SPEED SWITCH	RED	NO
EV MODE ON	GREEN	NO
EV MODE WRN	PURPLE	NO
NET WORK FAIL	RED	NO
ENGINE FIRE	RED	YES
CHRG MODE	GREEN	NO
AUX SYS FAULT	RED	YES

DO NOT SCALE DRAWING  
DIMENSIONS IN 1 : 1  
ARE IN mm.  
THD ANGLE  
DRAWN BY  
ANDREW GATSON  
DATE (DD-MMM-YY)  
25-SEP-14

0 SHEET UNCHANGED  
ECO  
DESCRIPTION  
6

MATERIAL  
N/A  
WEIGHT  
N/A  
TREATMENT  
NONE REQUIRED

APPROVED BY TITLE  
APPROV-DRIVER CONTROLS  
PART N°  
560094

SCALE NTS  
D  
SHEET 4 OF 4  
REPORT FILE ERRORS  
13.080.185.11



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

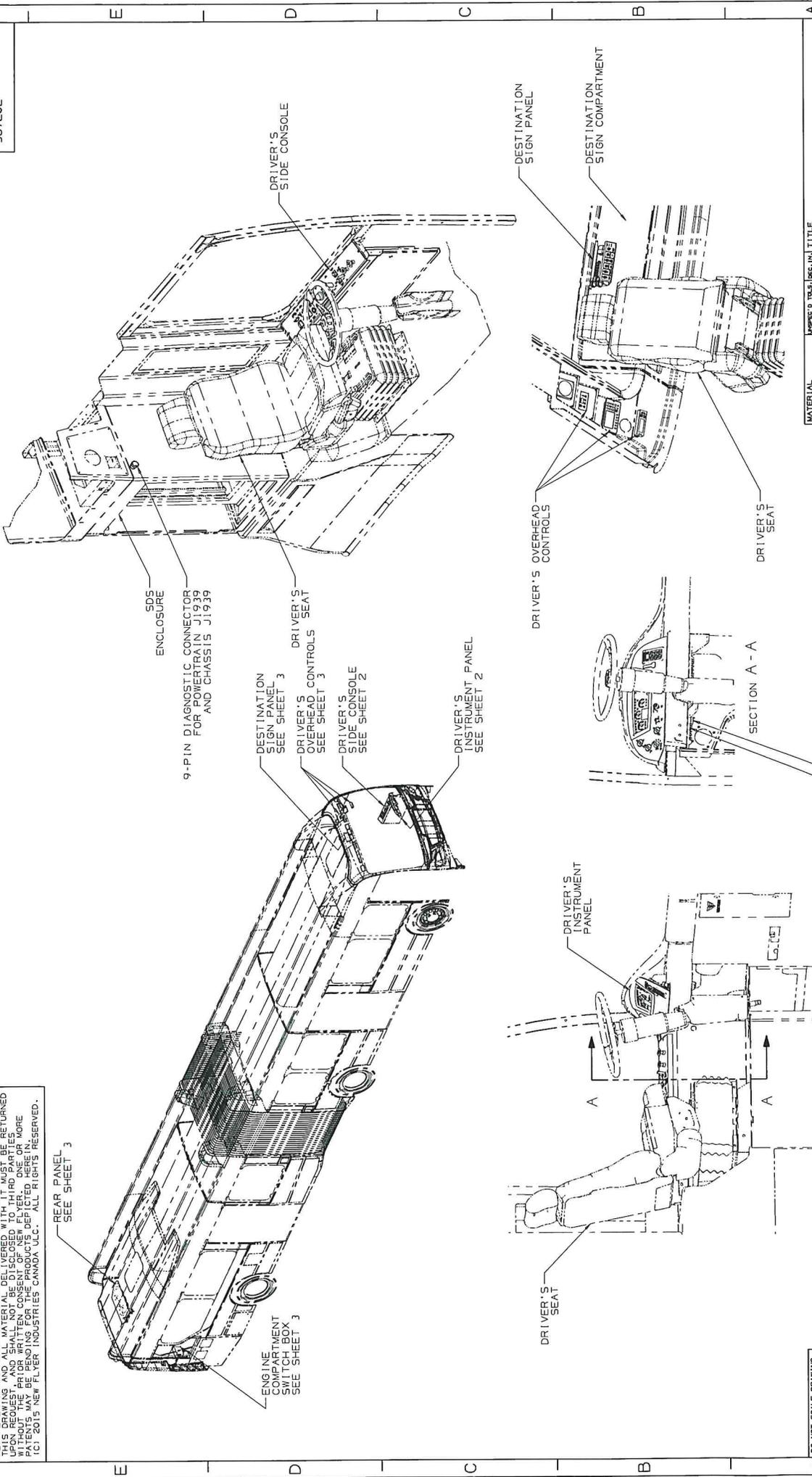
**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
4Q	Technical Information	Drawing 587202 clarification on park brake valve.

DRAWING N°  
587202

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA U.L.C. OR ITS AFFILIATES ("NEW FLYER"). UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE TO BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER. ONE OR MORE PATENTS MAY BE HELD BY NEW FLYER INDUSTRIES CANADA U.L.C. ALL RIGHTS RESERVED. ©CL 6015 NEW FLYER INDUSTRIES CANADA U.L.C.



MATERIAL	N/A	PROJECT'S TOLS. (REQ. IN)	TITLE
WEIGHT	N/A	1. 1.02	APPROV-DRIVER CONTROLS
TREATMENT	NOT REQUIRED	2. XX	PART N°
		3. HOLE DIA.	587202
		4. TAP DIA.	
		5. TAP LEAD IN	
		6. TAP LEAD OUT	
		7. TAP LEAD IN	
		8. TAP LEAD OUT	
		9. TAP LEAD IN	
		10. TAP LEAD OUT	
		11. TAP LEAD IN	
		12. TAP LEAD OUT	
		13. TAP LEAD IN	
		14. TAP LEAD OUT	
		15. TAP LEAD IN	
		16. TAP LEAD OUT	
		17. TAP LEAD IN	
		18. TAP LEAD OUT	
		19. TAP LEAD IN	
		20. TAP LEAD OUT	
		21. TAP LEAD IN	
		22. TAP LEAD OUT	
		23. TAP LEAD IN	
		24. TAP LEAD OUT	
		25. TAP LEAD IN	
		26. TAP LEAD OUT	
		27. TAP LEAD IN	
		28. TAP LEAD OUT	
		29. TAP LEAD IN	
		30. TAP LEAD OUT	
		31. TAP LEAD IN	
		32. TAP LEAD OUT	
		33. TAP LEAD IN	
		34. TAP LEAD OUT	
		35. TAP LEAD IN	
		36. TAP LEAD OUT	
		37. TAP LEAD IN	
		38. TAP LEAD OUT	
		39. TAP LEAD IN	
		40. TAP LEAD OUT	
		41. TAP LEAD IN	
		42. TAP LEAD OUT	
		43. TAP LEAD IN	
		44. TAP LEAD OUT	
		45. TAP LEAD IN	
		46. TAP LEAD OUT	
		47. TAP LEAD IN	
		48. TAP LEAD OUT	
		49. TAP LEAD IN	
		50. TAP LEAD OUT	
		51. TAP LEAD IN	
		52. TAP LEAD OUT	
		53. TAP LEAD IN	
		54. TAP LEAD OUT	
		55. TAP LEAD IN	
		56. TAP LEAD OUT	
		57. TAP LEAD IN	
		58. TAP LEAD OUT	
		59. TAP LEAD IN	
		60. TAP LEAD OUT	
		61. TAP LEAD IN	
		62. TAP LEAD OUT	
		63. TAP LEAD IN	
		64. TAP LEAD OUT	
		65. TAP LEAD IN	
		66. TAP LEAD OUT	
		67. TAP LEAD IN	
		68. TAP LEAD OUT	
		69. TAP LEAD IN	
		70. TAP LEAD OUT	
		71. TAP LEAD IN	
		72. TAP LEAD OUT	
		73. TAP LEAD IN	
		74. TAP LEAD OUT	
		75. TAP LEAD IN	
		76. TAP LEAD OUT	
		77. TAP LEAD IN	
		78. TAP LEAD OUT	
		79. TAP LEAD IN	
		80. TAP LEAD OUT	
		81. TAP LEAD IN	
		82. TAP LEAD OUT	
		83. TAP LEAD IN	
		84. TAP LEAD OUT	
		85. TAP LEAD IN	
		86. TAP LEAD OUT	
		87. TAP LEAD IN	
		88. TAP LEAD OUT	
		89. TAP LEAD IN	
		90. TAP LEAD OUT	
		91. TAP LEAD IN	
		92. TAP LEAD OUT	
		93. TAP LEAD IN	
		94. TAP LEAD OUT	
		95. TAP LEAD IN	
		96. TAP LEAD OUT	
		97. TAP LEAD IN	
		98. TAP LEAD OUT	
		99. TAP LEAD IN	
		100. TAP LEAD OUT	

NEW FLYER	SCALE: NTS	SHEET 1 OF 4
		TO ENCL. SHEET

DO NOT SCALE DRAWING	REV	DESCRIPTION
ARE IN IN 1		
THD ANGLE 60°		
DRAWN BY		
ANDREW GATESON		
DATE 10D-04M-11Y1		
15-APR-15		
SHEETS AFFECTED (3)		
SHEET UNCHANGED		
ECA-065828		
ECC		



DRAWING N°  
587202

NOTE: FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MRP BOM SHEET FOR PARTS LISTING

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES. NEW FLYER INDUSTRIES CANADA ULC OR ITS AFFILIATES SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT OF NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED. © 2015 NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

REAR PANEL SWITCH ASSEMBLY

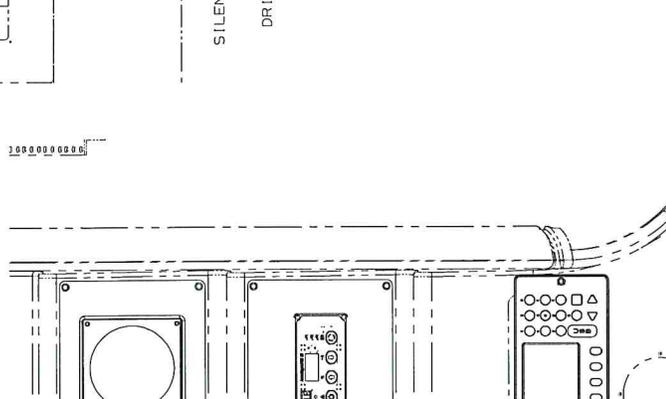
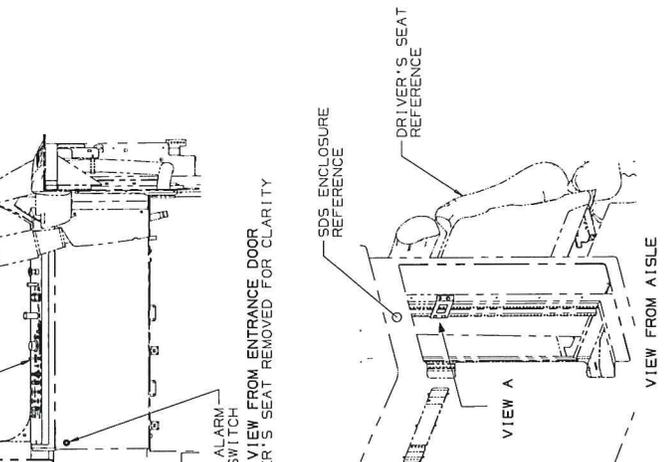
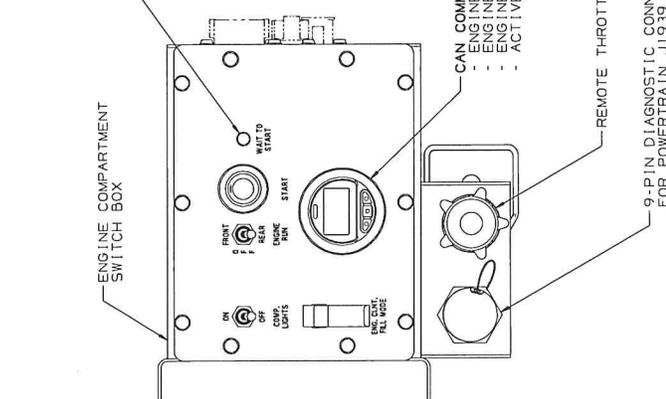
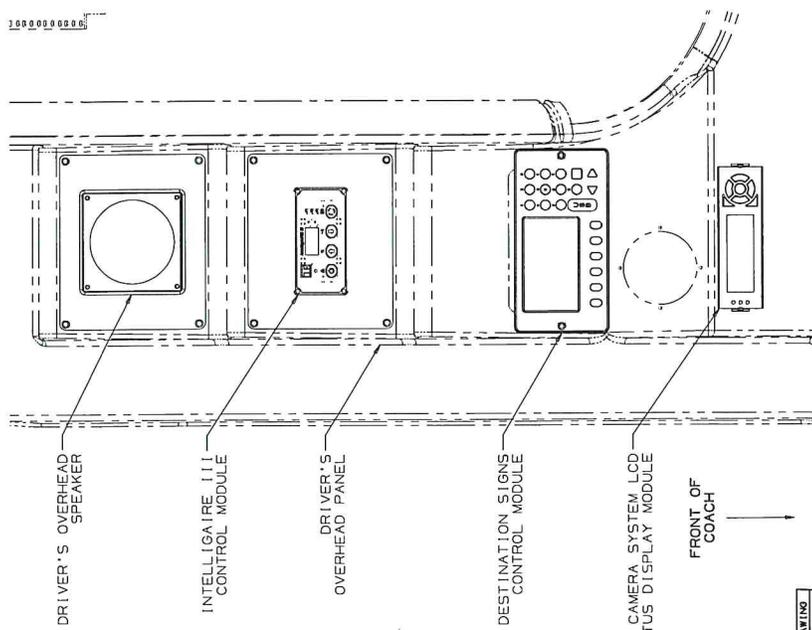
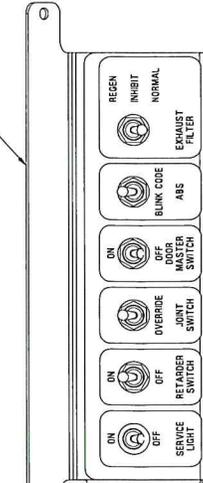
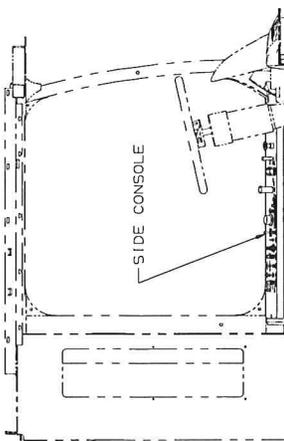
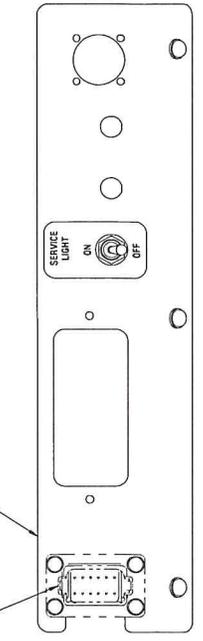
INTERIOR LIGHT AUXILIARY POWER CONNECTOR

SIDE CONSOLE

SILENT ALARM SWITCH  
VIEW FROM ENTRANCE DOOR  
DRIVER'S SEAT REMOVED FOR CLARITY

ENGINE COMPARTMENT SWITCH BOX

AMBER INDICATOR LIGHT



DS NOT SCALE DRAWING	DATE	15-APR-15	REV	C	E-STROKE LOCATION REFERENCE AND DETAIL VIEWS. ADDED. (A4, B4)	ECO-048259
DRAWN BY	ANDREW GATESON					
THD ANGLE						
TITLE	APPROV-DRIVER CONTROLS					
PART N°	587202					
SCALE	NATS					
SHEET 3 OF 4	I					
REV	DESCRIPTION					
	ECO					

THE INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO NEW FLYER INDUSTRIES CANADA ULC. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN. NO PARTS, MATERIALS, OR SERVICES SHALL BE RETURNED TO NEW FLYER INDUSTRIES CANADA ULC. WITHOUT THE WRITTEN PERMISSION OF NEW FLYER INDUSTRIES CANADA ULC. ALL RIGHTS RESERVED.

NOTE FOR INSTALLATION DRAWINGS PLEASE REFER TO ATTACHED MPF BOM SHEET FOR PARTS LISTING

DRAWING N°  
587202

IP CLUSTER INDICATORS

INDICATOR NAME	COLOR	BUZZER YES/NO	ENABLE/DISABLE
LEFT TURN	GREEN	CLICKER	ENABLED
EXHAUST REGEN NEEDED	AMBER	NO	ENABLED
STOP REQUEST	RED	NO	ENABLED
W/C STOP REQUEST	AMBER	NO	ENABLED
REAR DOOR OPEN	RED	NO	ENABLED
HIGH EXHAUST TEMP	AMBER	NO	ENABLED
MAX ANGLE	RED	NO	ENABLED
A/C FAIL	RED	NO	ENABLED
MIL SYMBOL	AMBER	NO	ENABLED
LOW DEF SYMBOL	AMBER	NO	ENABLED
HOT ENGINE	RED	YES	ENABLED
STOP ENGINE	RED	YES	ENABLED
ENGINE FAN FAULT	AMBER	NO	ENABLED
CHECK ENGINE	AMBER	NO	ENABLED
ABS FAIL	AMBER	NO	ENABLED
STOP LAMPS	RED	NO	ENABLED
PARKING BRAKE	RED	NO	ENABLED
RIGHT TURN	GREEN	CLICKER	ENABLED
RTDR OFF	RED	NO	ENABLED
REGEN BRAKE OFF	RED	NO	DISABLED
STOP SYSTEM	RED	YES	DISABLED
JOINT FAIL	RED	YES	ENABLED
WAIT TO START	AMBER	NO	ENABLED
HIGH BEAM	BLUE	NO	ENABLED
LOW OIL	RED	YES	ENABLED
ATC	AMBER	NO	ENABLED
LOW BATTERY	RED	NO	ENABLED
KNEEL	AMBER	NO	ENABLED
LOW COOLANT	AMBER	YES	ENABLED
W/C RAMP	RED	NO	ENABLED
CHECK SYSTEM	AMBER	NO	DISABLED
EXCLAMATION SYMBOL	ON WITH LCD INDICATOR	NO	ENABLED

IP LCD INDICATORS

INDICATOR NAME	COLOR	BUZZER YES/NO
RH HLP FLT	AMBER	NO
RH TRN FLT	AMBER	NO
LH HLP FLT	AMBER	NO
LH TRN FLT	AMBER	NO
STRTR LOCK OUT	AMBER	NO
KNEEL SNR FAULT	AMBER	NO
INTER LOCK	RED	NO
TAIL LAMPS FAULT	AMBER	NO
STOP LAMPS FAULT	RED	YES
EXT LAMPS FAULT	AMBER	NO
CLNT FILL MODE	RED	NO
CENTER DOOR OPEN	RED	NO
INTER LOCK FAULT	RED	NO
REAR RUN MODE	AMBER	NO
DOOR ALARM	AMBER	YES
CTR DOOR AJAR	RED	YES
REAR DOOR AJAR	RED	YES
DRL	GREEN	NO
SEAT BELT	RED	YES
ENGINE FIRE	RED	YES
BRAKE ALERT	AMBER	NO
BRAKE DRAG ALERT	RED	NO
FRONT BRAKE WORN	AMBER	NO
CENTER BRAKE WORN	AMBER	NO
REAR BRAKE WORN	AMBER	NO
CHECK TRANS	AMBER	NO
HOT TRANS	RED	NO

IP LCD BAR GRAPHS

GAUGE NAME	RANGE	UNIT OF MEASURE	INDICATOR
DEF GAUGE	0-100	PERCENT	LOW DEF CLUSTER INDICATOR ACTIVATED AT 10%, FLASHING AT 5%
[24V VOLTMETER	18-36	VOLTS	LOW BATTERY CLUSTER INDICATOR ACTIVATED AT 23V

DO NOT SCALE DRAWING  
DIMENSIONS IN 1 : 1  
ARE IN mm.  
THD ANGLE  
DRAWN BY  
ANDREW GATESON  
DATE 15-APR-15

REV C SHEET CHANGED  
DESCRIPTION  
ECO  
ECC-04655B

MATERIAL N/A	APPROX'D TOLS. X XX XXX HOLE DIA. ANGLE ANGLE	REG. IN. 1/8 3/16 1/4 5/16 3/8 1/2	TITLE APPROV-DRIVER CONTROLS
WEIGHT N/A			PART N° 587202
TREATMENT NOT REQUIRED			SCALE NTS NEW FLYER
			SHEET 4 OF 4



NEW FLYER OF AMERICA

**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
5	Vehicle Questionnaire's	Vehicle Questionnaire's

**APPENDIX L**

**VEHICLE AND CONTRACTOR INFORMATION QUESTIONNAIRE  
RETURN WITH YOUR PROPOSAL**

Contractor will attach to this form:

- The technical sheets below for each size / model bus proposed.

**Bus Manufacturer:** New Flyer of America Inc.

**Bus Model Number:** XD 40

**Basic Body Construction Type:** Semi- Monocoque

**General Dimensions**

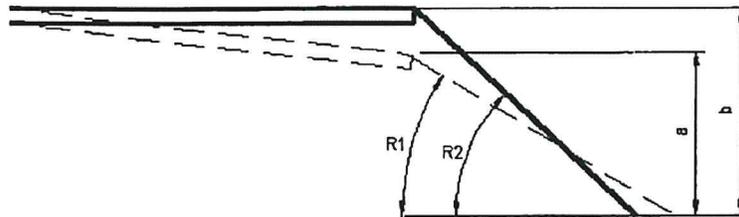
<b>Overall length</b>	Over bumpers	41	feet	0	inches
	Over body	40	feet	2	inches
<b>Overall width</b>	Over body excluding mirrors and lights	8	feet	5	inches
	Over body including mirrors	11	feet		inches
	Over tires	8	feet	5	inches
	<b>Overall height (maximum)</b>	10	feet	6	inches

<b>Angle of approach</b>	9	degrees
<b>Angle of departure</b>	9	degrees
<b>Breakover angle 1</b>	9	degrees
<b>Breakover angle 2</b>	N/A	degrees

**Doorway clear opening (at widest point)** 33.8 inches

	<b>Width with grab handles</b>	<b>Width without grab handles</b>	<b>Height</b>
<b>Front door</b>	33.8 inches	37.0 inches	77 inches
<b>Center door (1)</b>	N/A inches	N/A inches	N/A inches
<b>Center door (2)</b>	N/A inches	N/A inches	N/A inches
<b>Rear door</b>	30.5 inches	34.8 inches	77.3 inches

Front axle floor height above ground (centerline of bus)	<table border="1"><tr><td>15.5</td></tr></table>	15.5	inches
15.5			
Center axle floor height above ground (centerline of bus)	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Rear axle floor height above ground (centerline of bus)	<table border="1"><tr><td>15.5</td></tr></table>	15.5	inches
15.5			
Step height from ground (measured at center of doorway)	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			



	Front doorway	Center doorway	Ramp angle	Rear doorway				
<b>Kneeled</b>	<table border="1"><tr><td>10</td></tr></table> inches (a)	10	<table border="1"><tr><td>N/A</td></tr></table> inches (a)	N/A	<table border="1"><tr><td>8</td></tr></table> degrees (R1)	8	<table border="1"><tr><td>14</td></tr></table> inches (a)	14
10								
N/A								
8								
14								
<b>Unkneeled</b>	<table border="1"><tr><td>14</td></tr></table> inches (b)	14	<table border="1"><tr><td>N/A</td></tr></table> inches (b)	N/A	<table border="1"><tr><td>18.5</td></tr></table> degrees (R2)	18.5	<table border="1"><tr><td>14</td></tr></table> inches (b)	14
14								
N/A								
18.5								
14								

**Interior head room (floor to ceiling at center of aisle)**

First axle location	<table border="1"><tr><td>79</td></tr></table>	79	inches
79			
Center of articulation	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Rear axle location	<table border="1"><tr><td>79</td></tr></table>	79	inches
79			
Rear settee (in front of seat)	<table border="1"><tr><td>78</td></tr></table>	78	inches
78			

**Aisle width**

Minimum width on floor between first axle wheel housings	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			
Minimum width on floor between center axle (1) wheel housings	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Minimum width on floor between center axle (2) wheel housings	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Minimum width on floor between rear axle wheel housings	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			

**Minimum ground clearance**

Outside axles zones	<table border="1"><tr><td>10</td></tr></table>	10	inches
10			
Inside axles zones	<table border="1"><tr><td>5.6</td></tr></table>	5.6	inches
5.6			

**Horizontal turning envelope (see diagram below)**

Outside body turning radius, TR0 (including bumper)	<table border="1"><tr><td>44</td></tr></table> feet	44	<table border="1"><tr><td>0</td></tr></table> inches	0
44				
0				
Inside Body Turning Radius innermost point, TR4 (including bumper)	<table border="1"><tr><td>21</td></tr></table> feet	21	<table border="1"><tr><td>11</td></tr></table> inches	11
21				
11				

**Wheel base**

First axle to center/rear axle  inches  
 Center axle to rear axle  inches

**Overhang, centerline of axle over bumper**

Front  inches  
 Rear  inches

**Floor**

Maximum interior floor slope (from horizontal)  degrees

**Capacity**

Total number of passenger sittings	<input type="text" value="40"/>
Passenger seating manufacturer/model number	<input type="text" value="American Seating"/>
Total number of standing passengers (1 per 1.5 sq. ft.)	<input type="text" value="43"/>
Minimum hip to knee space	<input type="text" value="26.5"/> inches
Maximum hip to knee space	<input type="text" value="34.49"/> inches
Restraint system type and model number	<input type="text" value="Q-Strant"/>

**Bus weight**

	<b>Curb weight</b>		<b>Curb weight plus seated load*</b>		<b>GVWR</b>	
First axle	<input type="text" value="8,560"/>	lbs	<input type="text" value="10,260"/>	lbs	<input type="text" value="15,873"/>	lbs
Center axle	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs
Rear axle	<input type="text" value="19,025"/>	lbs	<input type="text" value="23,475"/>	lbs	<input type="text" value="28,660"/>	lbs
Total	<input type="text" value="27,585"/>	lbs	<input type="text" value="33,735"/>	lbs	<input type="text" value="44,533"/>	lbs

\* Including operator and passengers at 150 lbs per person

**Steering Axles**

Manufacturer	<input type="text" value="M.A.N"/>
Type and weight rating	<input type="text" value="Reverse Elliot cast beam, drop center, non-driven/ 15,873"/>
Model number	<input type="text" value="VOK-07-F"/>

**Drive axle** ( Center  Rear)

Manufacturer	<input type="text" value="M.A.N"/>
Type and weight rating	<input type="text" value="Single Reduction, Driven / 28,660"/>
Model number	<input type="text" value="HY-1350-F"/>

**Drive axle ratio**

Differential ratio	<input type="text" value="5.67:1"/>
Hub reduction ratio (if used)	<input type="text"/>
Final axle ratio (if hub reduction is used)	<input type="text"/>

**Brake system**

Make/type of fundamental system	Knorr/M.A.N
First axle brake chamber model	MGM/ 1621705,1621706
Center axle brake chamber model	N/A
Rear axle brake chamber model	MGM/ MJB2024ET752

**First axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**Center axle slack adjuster**

Manufacturer	N/A no center axle
Model number	

**Rear axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**First axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Center axle brake drum/rotor**

Manufacturer	N/A
--------------	-----

**Rear axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Air compressor**

Manufacturer	Wabco	
Type	Reciprocating	
Model number		
Rated capacity	30.4	cfm
Capacity at idle	6.9	cfm
Maximum warranted speed	3,000	rpm
Idle speed		rpm
Drive type	Direct	
Governor cut-in pressure	117	psi
Governor cut-out pressure	131	psi

**Air Reservoir Capacity**

**Manufacturer**

Supply reservoir number and size	1	/	800	cubic inches total
Primary reservoir number and size	1	/	1,200	cubic inches total
Secondary reservoir number and size	1	/	2,000	cubic inches total
Parking reservoir number and size	N/A	/	N/A	cubic inches total
Accessory reservoir number and size	1	/	1,400	cubic inches total
Other reservoir number and size	1	/	2,150	cubic inches total

**Cooling System**

	Radiator	Charge air cooler
Manufacturer	EMP	EMP
Type	MH4	MH4
Model number	GEN 4	GEN 4
Number of tubes	37	37
Fins per inch	8.5	8.5
Fin thickness (inches)	.003	.003
Fin construction	Aluminum	Aluminum

Total cooling system capacity (gallons)	23	gallons
Radiator fan manufacturer	EMP	
Fan speed/control type (mech/elect/hyb)	/ Electrical	
Surge tank capacity	5	gallons
Surge tank material		
Overheat alarm temperature	225	degrees F
Shutdown temperature settings	235	degrees F

**Electrical**

**Primary interior lighting system**

Manufacturer	TCB
Type	LED 24VDC
Model number	New Flyer

**Alternator**

Manufacturer	Niehoff
Type	Belt Driven
Model number	C803
Output at idle	500 amps

**Voltage regulator**

Manufacturer	Niehoff
--------------	---------

Model number 

C803
------

**Voltage equalizer**

Manufacturer 

Vanner
--------

Model number 

80AMP
-------

**Auxiliary inverter (120/240)**

Manufacturer 

Vanner
--------

Model number 

TBD
-----

Inverter technology 

24VDC to 120 VAC
------------------

Output voltage(s) 

600w
------

**Starter motor**

Manufacturer 

Delco
-------

Voltage 

24V
-----

Model number 

42MT
------

**Batteries/energy storage – low voltage**

Manufacturer 

East Penn
-----------

Type 

8D
----

Model number 

8D
----

Cold cranking amps 

1400 CCA
----------

**Batteries/energy storage – high voltage**

Manufacturer 

N/A
-----

Type 

--

Model number 

--

Energy density 

--

Specific power 

--

Operating temperature range 

--

Cooling/heating system 

--

**Engine**

Manufacturer 

Cummins
---------

Model number/version 

L9-2017
---------

Horsepower/torque rating 

280/900
---------

**Fire Suppression/Methane Detection System**

Manufacturer 

Amerex
--------

Model number 

--

Number of detectors 

3	fire		methane
---	------	--	---------

  
 Type of detector  Thermal  Optical  
 Battery backup  Yes  No

**Bumpers**

Manufacturer 

Romeo rim
-----------

  
 Type 

three piece
-------------

**Fuel and Exhaust System**

Fuel type 

Diesel
--------

  
 Operating range and route profile 

--

**Fuel tanks (liquid fuels)**

Manufacturer 

New Flyer
-----------

  
 Capacity (total and usable) 

144	Gallons	/	100	Gallons
-----	---------	---	-----	---------

  
 Construction material 

Polyethylene
--------------

  
 Quantity and location of tanks 

1 tank	forward of rear axle.
--------	-----------------------

**Fuel tanks (gaseous fuels)**

Manufacturer 

N/A
-----

  
 Capacity (total and usable) 

	SCF	/		SCF
--	-----	---	--	-----

  
 Construction material 

--

  
 Quantity and location of tanks 

--

**Exhaust system**

Diesel particulate filter manufacturer 

Cummins
---------

  
 Describe DPF electronic interface 

the engine ECM monitors the output from sensors
---

  
 Muffler manufacturer (if applicable) 

Cummins
---------

**Air Suspension**

	Front	Rear
Air spring manufacturer	Firestone	Firestone
Air spring quantity per axle	2	4
Shock absorber manufacturer	KONI	KONI
Shock absorber quantity per axle	2	4

**Steering**

Pump manufacturer 

Lxetic (LUK)
--------------

  
 Pump model number 

--

  
 Steering gear manufacturer 

Sheppard
----------

Steering gear model number	M110
Steering gear type	Hydraulic
Steering wheel diameter	18 inches
Maximum effort at steering wheel*	9 lbs. to 10 degrees

\* Unloaded stationary coach on dry asphalt pavement

**Hybrid**

Manufacturer	N/A
Type	
Model number	
Type ventilation / cooling	

**Transmission**

Manufacturer	Allison
Type	Automatic
Model number	B400R
Number of forward speeds	6
Traction motor horsepower rating	
Type ventilation/cooling	

**Propshaft**

Manufacturer	New Flyer
--------------	-----------

**Wheels**

Manufacturer	Alcoa
Type	Aluminum, Buffed (LVL one) finish
Size	22.5
Mounting type	Hubcentric
Bolt circle diameter	8.25
Protective coating	Polished Dura- bright

**Tires**

Manufacturer	Michelin
Type	X in city Z
Size	305/70/22.5
Load range/air pressure	L/130 PSI

**Door System**

**Door panels**

	<b>Manufacturer</b>	<b>Type</b>
Front door	Vapor	Swing out door
Center door (1)	N/A	
Center door (2)	N/A	
Rear door	Vapor	Swing out door

**Heating and Ventilating Equipment**

Heating system capacity	105,000	Btu
Air conditioning system capacity	87,000	Btu
Ventilating capacity	2,400	CFM per passenger
Manufacturer and model	Thermo King RLF	
Refrigerant type	R-134A	

**Driving heater**

Manufacturer	Mobile Climate control
Type	Variable speed
Model number	New Flyer
Capacity	83,000 BTU/hr

**Auxiliary heater**

Manufacturer	N/A
Type	
Model number	
Capacity	

**Floor heaters**

Manufacturer  
 Type/number  
 Model number  
 Capacity

Not Included

**Passenger Loading System**

Manufacturer  
 Type (hydraulic, electric or both)  
 Model number  
 Capacity (lbs.)

New Flyer - ASP Industries
Electric Pump\ Hydraulic
GEN 2
660 lbs.

**Dimensions**

Width of ramp 

32.00
-------

 inches  
 Length of ramp 

47.5
------

 inches

**Cycle times**

	<b>Normal idle</b>		<b>Fast idle</b>			
Stowed to ground	<table border="1"><tr><td>10</td></tr></table>	10	seconds	<table border="1"><tr><td>10</td></tr></table>	10	seconds
10						
10						
Ground to stow	<table border="1"><tr><td>10</td></tr></table>	10	seconds	<table border="1"><tr><td>10</td></tr></table>	10	seconds
10						
10						

**Electronics**

Video system manufacturer  
 Video system model number  
 Number of cameras  
 Multiplex system manufacturer  
 Multiplex system model number  
 Automatic passenger counter system manufacturer  
 Automatic passenger counter system model number  
 Destination sign manufacturer  
 Destination sign model number  
 AVL/AVM system manufacturer  
 AVL/AVM system model number  
 Passenger information system manufacturer  
 Passenger information system model number

please review optional items list
Parker Vansco
TBD
Not Included in base
Twin vision
Smart Series
Not Included in base
Not Included in base

**Coach Body Fittings**

Passenger windows manufacturer

Arow Global
-------------

**Exterior/interior mirrors**

Size	8" x 15	8" x 15 rear veiw mirror
Manufacturer	Hadley	Allegis
Model number	TBD	TBD
Manufacturer part numbers	TBD	TBD

**Bicycle racks**

Manufacturer	Sport works	this is priced as an option
Model number		

**Paint system**

Manufacturer	Axalta
Type	Automotive Paint

**APPENDIX L**

**VEHICLE AND CONTRACTOR INFORMATION QUESTIONNAIRE  
RETURN WITH YOUR PROPOSAL**

Contractor will attach to this form:

- The technical sheets below for each size / model bus proposed.

**Bus Manufacturer:** New Flyer of America Inc.

**Bus Model Number:** XE40

**Basic Body Construction Type:** Semi- Monocoque

**General Dimensions**

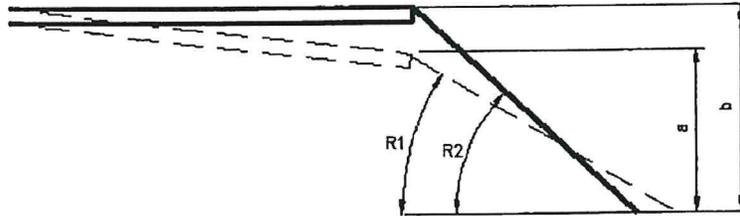
<b>Overall length</b>	Over bumpers	41	feet	0	inches
	Over body	40	feet	2	inches
<b>Overall width</b>	Over body excluding mirrors and lights	8	feet	5	inches
	Over body including mirrors	11	feet		inches
	Over tires	8	feet	5	inches
	<b>Overall height (maximum)</b>	11	feet	1	inches

<b>Angle of approach</b>	9	degrees
<b>Angle of departure</b>	9	degrees
<b>Breakover angle 1</b>	9	degrees
<b>Breakover angle 2</b>	N/A	degrees

**Doorway clear opening (at widest point)** 33.8 inches

	<b>Width with grab handles</b>	<b>Width without grab handles</b>	<b>Height</b>
<b>Front door</b>	33.8 inches	37.0 inches	77.4 inches
<b>Center door (1)</b>	N/A inches	N/A inches	N/A inches
<b>Center door (2)</b>	N/A inches	N/A inches	N/A inches
<b>Rear door</b>	30.5 inches	34.8 inches	77.3 inches

Front axle floor height above ground (centerline of bus)	<table border="1"><tr><td>15.5</td></tr></table>	15.5	inches
15.5			
Center axle floor height above ground (centerline of bus)	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Rear axle floor height above ground (centerline of bus)	<table border="1"><tr><td>15.5</td></tr></table>	15.5	inches
15.5			
Step height from ground (measured at center of doorway)	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			



	Front doorway	Center doorway	Ramp angle	Rear doorway				
<b>Kneeled</b>	<table border="1"><tr><td>10</td></tr></table> inches (a)	10	<table border="1"><tr><td>N/A</td></tr></table> inches (a)	N/A	<table border="1"><tr><td>8</td></tr></table> degrees (R1)	8	<table border="1"><tr><td>14</td></tr></table> inches (a)	14
10								
N/A								
8								
14								
<b>Unkneeled</b>	<table border="1"><tr><td>14</td></tr></table> inches (b)	14	<table border="1"><tr><td>N/A</td></tr></table> inches (b)	N/A	<table border="1"><tr><td>18.5</td></tr></table> degrees (R2)	18.5	<table border="1"><tr><td>14</td></tr></table> inches (b)	14
14								
N/A								
18.5								
14								

**Interior head room (floor to ceiling at center of aisle)**

First axle location	<table border="1"><tr><td>79</td></tr></table>	79	inches
79			
Center of articulation	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Rear axle location	<table border="1"><tr><td>79</td></tr></table>	79	inches
79			
Rear settee (in front of seat)	<table border="1"><tr><td>78</td></tr></table>	78	inches
78			

**Aisle width**

Minimum width on floor between first axle wheel housings	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			
Minimum width on floor between center axle (1) wheel housings	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Minimum width on floor between center axle (2) wheel housings	<table border="1"><tr><td>N/A</td></tr></table>	N/A	inches
N/A			
Minimum width on floor between rear axle wheel housings	<table border="1"><tr><td>14</td></tr></table>	14	inches
14			

**Minimum ground clearance**

Outside axles zones	<table border="1"><tr><td>10</td></tr></table>	10	inches
10			
Inside axles zones	<table border="1"><tr><td>5.6</td></tr></table>	5.6	inches
5.6			

**Horizontal turning envelope (see diagram below)**

Outside body turning radius, TR0 (including bumper)	<table border="1"><tr><td>44</td></tr></table> feet	44	<table border="1"><tr><td>0</td></tr></table> inches	0
44				
0				
Inside Body Turning Radius innermost point, TR4 (including bumper)	<table border="1"><tr><td>21</td></tr></table> feet	21	<table border="1"><tr><td>11</td></tr></table> inches	11
21				
11				

**Wheel base**

First axle to center/rear axle  inches  
 Center axle to rear axle  inches

**Overhang, centerline of axle over bumper**

Front  inches  
 Rear  inches

**Floor**

Maximum interior floor slope (from horizontal)  degrees

**Capacity**

Total number of passenger sittings   
 Passenger seating manufacturer/model number   
 Total number of standing passengers (1 per 1.5 sq. ft.)   
 Minimum hip to knee space  inches  
 Maximum hip to knee space  inches  
 Restraint system type and model number

**Bus weight**

	Curb weight		Curb weight plus seated load*		GVWR	
First axle	<input type="text" value="11,946"/>	lbs	<input type="text" value="15,607"/>	lbs	<input type="text" value="15,873"/>	lbs
Center axle	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs
Rear axle	<input type="text" value="21,731"/>	lbs	<input type="text" value="28,120"/>	lbs	<input type="text" value="28,660"/>	lbs
Total	<input type="text" value="33,677"/>	lbs	<input type="text" value="43,727"/>	lbs	<input type="text" value="44,533"/>	lbs

\* Including operator and passengers at 150 lbs per person

**Steering Axles**

Manufacturer   
 Type and weight rating   
 Model number

**Drive axle** ( Center  Rear)

Manufacturer   
 Type and weight rating   
 Model number

**Drive axle ratio**

Differential ratio   
 Hub reduction ratio (if used)   
 Final axle ratio (if hub reduction is used)

**Brake system**

Make/type of fundamental system	Knorr/ M.A.N
First axle brake chamber model	MGM/ 1621705,1621706
Center axle brake chamber model	N/A
Rear axle brake chamber model	MGM/ MJB2024ET52

**First axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**Center axle slack adjuster**

Manufacturer	N/A no center axle
Model number	

**Rear axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**First axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Center axle brake drum/rotor**

Manufacturer	N/A no center axle
--------------	--------------------

**Rear axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Air compressor**

Manufacturer	Wabco	
Type	Reciprocating	
Model number		
Rated capacity	30.4	cfm
Capacity at idle	6.9	cfm
Maximum warranted speed	3,000	rpm
Idle speed		rpm
Drive type	Direct	
Governor cut-in pressure	117	psi
Governor cut-out pressure	131	psi

**Air Reservoir Capacity**

**Manufacturer**

Supply reservoir number and size	1	/	800	cubic inches total
Primary reservoir number and size	1	/	1,200	cubic inches total
Secondary reservoir number and size	1	/	2,000	cubic inches total
Parking reservoir number and size	N/A	/	N/A	cubic inches total
Accessory reservoir number and size	1	/	1,400	cubic inches total
Other reservoir number and size	1	/	2,150	cubic inches total

**Cooling System**

	Radiator	Charge air cooler
Manufacturer	Thermo King	N/A
Type	Roof top Battery cooler	N/A
Model number	703864	N/A
Number of tubes	TBD	N/A
Fins per inch	TBD	N/A
Fin thickness (inches)	TBD	N/A
Fin construction	TBD	N/A

Total cooling system capacity (gallons)	TBD	gallons
Radiator fan manufacturer		
Fan speed/control type (mech/elect/hyb)	/ Electric	
Surge tank capacity	TBD	gallons
Surge tank material		
Overheat alarm temperature	N/A	degrees F
Shutdown temperature settings	N/A	degrees F

**Electrical**

**Primary interior lighting system**

Manufacturer	TCB
Type	LED 24VDC
Model number	

**Alternator**

Manufacturer	N/A
Type	
Model number	
Output at idle	amps

**Voltage regulator**

Manufacturer	Delco
--------------	-------

Model number 

50-VR
-------

**Voltage equalizer**

Manufacturer 

Vanner
--------

  
 Model number 

80 Amp
--------

**Auxiliary inverter (120/240)**

Manufacturer 

Vanner
--------

  
 Model number 

HBA-500 Hep
-------------

  
 Inverter technology 

DC to DC Converter
--------------------

  
 Output voltage(s) 

300 Amps.
-----------

**Starter motor**

Manufacturer 

N/A this is a all electric system there is no starter.
--

  
 Voltage 

--

  
 Model number 

--

**Batteries/energy storage – low voltage**

Manufacturer 

EAST PENN
-----------

  
 Type 

8D Absorbed Glass mat(AGM) Maintenance Free
---

  
 Model number 

8D
----

  
 Cold cranking amps 

1450 CCA
----------

**Batteries/energy storage – high voltage**

Manufacturer 

XALT Energy
-------------

  
 Type 

Lithium-nickel-manganese-cobalt (NMC)
---------------------------------------

  
 Model number 

XMODE
-------

  
 Energy density 

480 KWh
---------

  
 Specific power 

--

  
 Operating temperature range 

68 F to 77 F - managed by Thermal Management System
---

  
 Cooling/heating system 

New Flyer Thermal Management System - Thermo King for battery cooling
---

**Engine**

Manufacturer 

Siemens
---------

  
 Model number/version 

ELFA2 Electric Drive System
-----------------------------

  
 Horsepower/torque rating 

160kW power rating
--------------------

**Fire Suppression/Methane Detection System**

Manufacturer 

Amerex
--------

  
 Model number 

--

Number of detectors 

3	fire		methane
---	------	--	---------

  
 Type of detector  Thermal  Optical  
 Battery backup  Yes  No

**Bumpers**

Manufacturer 

Romeo Rim
-----------

  
 Type 

3 Piece for both front and rear. rear has a anti-ride feature
---

**Fuel and Exhaust System**

Fuel type 

(Electric) no Exhaust System
------------------------------

  
 Operating range and route profile 

--

**Fuel tanks (liquid fuels)**

Manufacturer 

N/A
-----

  
 Capacity (total and usable) 

	Gallons	/		Gallons
--	---------	---	--	---------

  
 Construction material 

--

  
 Quantity and location of tanks 

--

**Fuel tanks (gaseous fuels)**

Manufacturer 

N/A
-----

  
 Capacity (total and usable) 

	SCF	/		SCF
--	-----	---	--	-----

  
 Construction material 

--

  
 Quantity and location of tanks 

--

**Exhaust system**

Diesel particulate filter manufacturer 

N/A none needed for all electric
----------------------------------

  
 Describe DPF electronic interface 

--

  
 Muffler manufacturer (if applicable) 

--

**Air Suspension**

	Front	Rear
Air spring manufacturer	Firestone	Firestone
Air spring quantity per axle	2	4
Shock absorber manufacturer	KONI	KONI
Shock absorber quantity per axle	2	4

**Steering**

Pump manufacturer 

Lxetic(LUK)
-------------

  
 Pump model number 

--

  
 Steering gear manufacturer 

Sheppard
----------

Steering gear model number  
 Steering gear type  
 Steering wheel diameter  
 Maximum effort at steering wheel\*

M110	
Hydraulic	
18	inches
9 lbs. to 10 degrees	

\* Unloaded stationary coach on dry asphalt pavement

**Hybrid**

Manufacturer  
 Type  
 Model number  
 Type ventilation / cooling

N/A

**Transmission**

Manufacturer  
 Type  
 Model number  
 Number of forward speeds  
 Traction motor horsepower rating  
 Type ventilation/cooling

N/A all electric bus only has a traction motor

**Propshaft**

Manufacturer

New Flyer
-----------

**Wheels**

Manufacturer  
 Type  
 Size  
 Mounting type  
 Bolt circle diameter  
 Protective coating

New Flyer
White powder coated steel.
22.5
Hubcentric
8.25
Polished Dura-bright

**Tires**

Manufacturer  
 Type  
 Size  
 Load range/air pressure

Michelin
X in city Z
305/70/22.5
L / 130PSI

**Door System**

**Door panels**

	<b>Manufacturer</b>	<b>Type</b>
Front door	Vapor	Swing Out door
Center door (1)	N/A	
Center door (2)	N/A	
Rear door	Vapor	Swing Out door

**Heating and Ventilating Equipment**

Heating system capacity	98,000	Btu
Air conditioning system capacity	72,000	Btu
Ventilating capacity	2,400	CFM per passenger
Manufacturer and model	Thermo King	
Refrigerant type	R407c	

**Driving heater**

Manufacturer	Mobile Climate control
Type	Variable speed
Model number	New Flyer
Capacity	83,000 BTU/Hr

**Auxiliary heater**

Manufacturer	N/A
Type	
Model number	
Capacity	

**Floor heaters**

Manufacturer  
 Type/number  
 Model number  
 Capacity

N/A

**Passenger Loading System**

Manufacturer  
 Type (hydraulic, electric or both)  
 Model number  
 Capacity (lbs.)

New Flyer- ASP Industries
Electrical Powered Hydraulic
GEN 2
660 lbs.

**Dimensions**

Width of ramp 

32.0
------

 inches  
 Length of ramp 

47.5
------

 inches

**Cycle times**

**Normal idle**

**Fast idle**

Stowed to ground	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>10</td></tr></table> seconds	10	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>10</td></tr></table> seconds	10
10				
10				
Ground to stow	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>10</td></tr></table> seconds	10	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>10</td></tr></table> seconds	10
10				
10				

**Electronics**

Video system manufacturer  
 Video system model number  
 Number of cameras  
 Multiplex system manufacturer  
 Multiplex system model number  
 Automatic passenger counter system manufacturer  
 Automatic passenger counter system model number  
 Destination sign manufacturer  
 Destination sign model number  
 AVI./AVM system manufacturer  
 AVL./AVM system model number  
 Passenger information system manufacturer  
 Passenger information system model number

Please review optional items list
Parker Vansco
TBD
Not Included in base
Twin Vision
Smart Series
Not Included in base
Not Included in base

**Coach Body Fittings**

Passenger windows manufacturer

Arow Global
-------------

**Exterior/interior mirrors**

Size	8" x 15	8" x 15 rear veiw mirror
Manufacturer	Hadley	Allegis
Model number	TBD	TBD
Manufacturer part numbers	TBD	TBD

**Bicycle racks**

Manufacturer	Sport works	this is priced as an option
Model number		

**Paint system**

Manufacturer	Axalta
Type	Automotive Paint

**APPENDIX L**

**VEHICLE AND CONTRACTOR INFORMATION QUESTIONNAIRE  
RETURN WITH YOUR PROPOSAL**

Contractor will attach to this form:

- I. The technical sheets below for each size / model bus proposed.

**Bus Manufacturer:** New Flyer of America Inc.

**Bus Model Number:** XDE 40

**Basic Body Construction Type:** Semi- Monocoque

**General Dimensions**

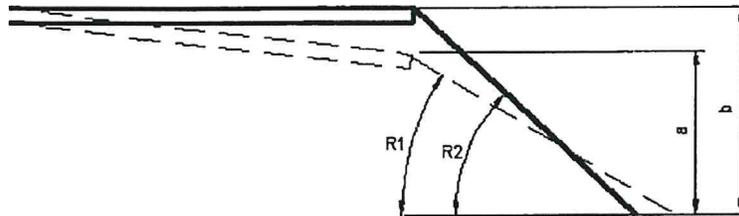
<b>Overall length</b>	Over bumpers	41	feet	0	inches
	Over body	40	feet	2	inches
<b>Overall width</b>	Over body excluding mirrors and lights	8	feet	5	inches
	Over body including mirrors	11	feet		inches
	Over tires	8	feet	5	inches
<b>Overall height (maximum)</b>		10	feet	10	inches

<b>Angle of approach</b>	9	degrees
<b>Angle of departure</b>	9	degrees
<b>Breakover angle 1</b>	9	degrees
<b>Breakover angle 2</b>	N/A	degrees

**Doorway clear opening (at widest point)** 33.8 inches

	<b>Width with grab handles</b>	<b>Width without grab handles</b>	<b>Height</b>
<b>Front door</b>	33.8 inches	37.0 inches	77.4 inches
<b>Center door (1)</b>	N/A inches	N/A inches	N/A inches
<b>Center door (2)</b>	N/A inches	N/A inches	N/A inches
<b>Rear door</b>	30.5 inches	34.8 inches	77.3 inches

Front axle floor height above ground (centerline of bus)	15.5	inches
Center axle floor height above ground (centerline of bus)	N/A	inches
Rear axle floor height above ground (centerline of bus)	15.5	inches
Step height from ground (measured at center of doorway)	14	inches



	Front doorway	Center doorway	Ramp angle	Rear doorway
<b>Kneeled</b>	10 inches (a)	N/A inches (a)	8 degrees (R1)	14 inches (a)
<b>Unkneeled</b>	14 inches (b)	N/A inches (b)	18.5 degrees (R2)	14 inches (b)

**Interior head room (floor to ceiling at center of aisle)**

First axle location	79	inches
Center of articulation	N/A	inches
Rear axle location	79	inches
Rear settee (in front of seat)	78	inches

**Aisle width**

Minimum width on floor between first axle wheel housings	14	inches
Minimum width on floor between center axle (1) wheel housings	N/A	inches
Minimum width on floor between center axle (2) wheel housings	N/A	inches
Minimum width on floor between rear axle wheel housings	14	inches

**Minimum ground clearance**

Outside axles zones	10	inches
Inside axles zones	5.6	inches

**Horizontal turning envelope (see diagram below)**

Outside body turning radius, TR0 (including bumper)	44	feet	0	inches
Inside Body Turning Radius innermost point, TR4 (including bumper)	21	feet	11	inches

**Wheel base**

First axle to center/rear axle  inches  
 Center axle to rear axle  inches

**Overhang, centerline of axle over bumper**

Front  inches  
 Rear  inches

**Floor**

Maximum interior floor slope (from horizontal)  degrees

**Capacity**

Total number of passenger sittings	<input type="text" value="40"/>
Passenger seating manufacturer/model number	<input type="text" value="American Seating"/>
Total number of standing passengers (1 per 1.5 sq. ft.)	<input type="text" value="43"/>
Minimum hip to knee space	<input type="text" value="26.5"/> inches
Maximum hip to knee space	<input type="text" value="34.49"/> inches
Restraint system type and model number	<input type="text" value="Q-Strant"/>

**Bus weight**

	Curb weight		Curb weight plus seated load*		GVWR	
First axle	<input type="text" value="9,680"/>	lbs	<input type="text" value="11,380"/>	lbs	<input type="text" value="15,873"/>	lbs
Center axle	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs	<input type="text" value="N/A"/>	lbs
Rear axle	<input type="text" value="20,130"/>	lbs	<input type="text" value="24,580"/>	lbs	<input type="text" value="28,660"/>	lbs
Total	<input type="text" value="29,810"/>	lbs	<input type="text" value="35,960"/>	lbs	<input type="text" value="44,533"/>	lbs

\* Including operator and passengers at 150 lbs per person

**Steering Axles**

Manufacturer	<input type="text" value="M.A.N"/>
Type and weight rating	<input type="text" value="Reverse Elliot cast beam, drop center, non-driven/ 15,873"/>
Model number	<input type="text" value="VOK-07-F"/>

**Drive axle** ( Center  Rear)

Manufacturer	<input type="text" value="M.A.N"/>
Type and weight rating	<input type="text" value="Single Reduction, Driven/ 28,660"/>
Model number	<input type="text" value="HY-1350-F"/>

**Drive axle ratio**

Differential ratio	<input type="text" value="5.67:1"/>
Hub reduction ratio (if used)	<input type="text"/>
Final axle ratio (if hub reduction is used)	<input type="text"/>

**Brake system**

Make/type of fundamental system	Knorr/M.A.N
First axle brake chamber model	MGM/ 1621705,1621706
Center axle brake chamber model	N/A
Rear axle brake chamber model	MGM/ MJB2024ET52

**First axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**Center axle slack adjuster**

Manufacturer	N/A no center axle
Model number	

**Rear axle slack adjuster**

Manufacturer	N/A Disc Brakes
Model number	

**First axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Center axle brake drum/rotor**

Manufacturer	N/A no center axle
--------------	--------------------

**Rear axle brake drum/rotor**

Manufacturer	M.A.N
--------------	-------

**Air compressor**

Manufacturer	Wabco	
Type	Reciprocating	
Model number		
Rated capacity	30.4	cfm
Capacity at idle	6.9	cfm
Maximum warranted speed	3,000	rpm
Idle speed		rpm
Drive type	Direct	
Governor cut-in pressure	117	psi
Governor cut-out pressure	131	psi

**Air Reservoir Capacity**

Manufacturer

Supply reservoir number and size	1	/	800	cubic inches total
Primary reservoir number and size	1	/	1,200	cubic inches total
Secondary reservoir number and size	1	/	2,000	cubic inches total
Parking reservoir number and size	N/A	/	N/A	cubic inches total
Accessory reservoir number and size	1	/	1,400	cubic inches total
Other reservoir number and size	1	/	2,150	cubic inches total

Cooling System

	Radiator	Charge air cooler
Manufacturer	EMP	EMP
Type	MH5	MH5
Model number	4GX5537DGH	4GX5537DGH
Number of tubes	37	15
Fins per inch	8.5	8.5
Fin thickness (inches)	.003	.003
Fin construction	Aluminum	Aluminum

Total cooling system capacity (gallons)	23	gallons
Radiator fan manufacturer	EMP	
Fan speed/control type (mech/elect/hyb)	/ Electrical	
Surge tank capacity	5	gallons
Surge tank material	Stainless Steel	
Overheat alarm temperature	225	degrees F
Shutdown temperature settings	235	degrees F

Electrical

Primary interior lighting system

Manufacturer	TCB
Type	LED 24VDC
Model number	

Alternator

Manufacturer	BAE
Type	Belt less
Model number	510 amp. 24V single accessory ooutput, 30 kw @ 230 VAC
Output at idle	amps

Voltage regulator

Manufacturer	Part of the BAE Hybrid system
--------------	-------------------------------

Model number

**Voltage equalizer**

Manufacturer   
 Model number

**Auxiliary inverter (120/240)**

Manufacturer   
 Model number   
 Inverter technology   
 Output voltage(s)

**Starter motor**

Manufacturer   
 Voltage   
 Model number

**Batteries/energy storage – low voltage**

Manufacturer   
 Type   
 Model number   
 Cold cranking amps

**Batteries/energy storage – high voltage**

Manufacturer   
 Type   
 Model number   
 Energy density   
 Specific power   
 Operating temperature range   
 Cooling/heating system

**Engine**

Manufacturer   
 Model number/version   
 Horsepower/torque rating

**Fire Suppression/Methane Detection System**

Manufacturer   
 Model number

Number of detectors 

3	fire		methane
---	------	--	---------

  
 Type of detector  Thermal  Optical  
 Battery backup  Yes  No

**Bumpers**

Manufacturer 

Romeo Rim
-----------

  
 Type 

Three Piece
-------------

**Fuel and Exhaust System**

Fuel type 

Diesel/ Electric
------------------

  
 Operating range and route profile 

5 to 6 MPG in city
--------------------

**Fuel tanks (liquid fuels)**

Manufacturer 

New flyer
-----------

  
 Capacity (total and usable) 

144	Gallons	/	100	Gallons
-----	---------	---	-----	---------

  
 Construction material 

Polyethylene
--------------

  
 Quantity and location of tanks 

1 tank	forward of rear axle.
--------	-----------------------

**Fuel tanks (gaseous fuels)**

Manufacturer 

N/A
-----

  
 Capacity (total and usable) 

	SCF	/		SCF
--	-----	---	--	-----

  
 Construction material 

--

  
 Quantity and location of tanks 

--

**Exhaust system**

Diesel particulate filter manufacturer 

Cummins
---------

  
 Describe DPF electronic interface 

The engine ECM monitors the output from sensors
---

  
 Muffler manufacturer (if applicable) 

Cummins
---------

**Air Suspension**

	Front	Rear
Air spring manufacturer	Firestone	Firestone
Air spring quantity per axle	2	4
Shock absorber manufacturer	KONI	KONI
Shock absorber quantity per axle	2	4

**Steering**

Pump manufacturer 

Lxetic (LUK)
--------------

  
 Pump model number 

--

  
 Steering gear manufacturer 

Sheppard
----------

Steering gear model number	M110
Steering gear type	Hydraulic
Steering wheel diameter	18 inches
Maximum effort at steering wheel*	9 lbs. to 10 degrees

\* Unloaded stationary coach on dry asphalt pavement

**Hybrid**

Manufacturer	BAE Systems
Type	HDS
Model number	200
Type ventilation / cooling	WEG

**Transmission**

Manufacturer	BAE
Type	Automatic
Model number	HDS200
Number of forward speeds	1
Traction motor horsepower rating	200 Kw
Type ventilation/cooling	WEG/Oil

**Propshaft**

Manufacturer	New Flyer of America
--------------	----------------------

**Wheels**

Manufacturer	Alcoa
Type	Aluminum, Buffed (LVL one) finish.
Size	22.5
Mounting type	Hubcentric
Bolt circle diameter	8.25
Protective coating	Polished Dura-bright

**Tires**

Manufacturer	Michelin
Type	X in city Z
Size	305/70/22.5
Load range/air pressure	L/ 130 PSI

**Door System**

Door panels	Manufacturer	Type
Front door	Vapor	Swing out door
Center door (1)	N/A	
Center door (2)	N/A	
Rear door	Vapor	Swing out door

**Heating and Ventilating Equipment**

Heating system capacity	105,000	Btu
Air conditioning system capacity	87,000	Btu
Ventilating capacity	2,400	CFM per passenger
Manufacturer and model	Thermo King RLFE	
Refrigerant type	R-407c	

**Driving heater**

Manufacturer	Mobile Climate control
Type	Variable speed
Model number	New Flyer
Capacity	83,000 BTU/Hr

**Auxiliary heater**

Manufacturer	N/A
Type	
Model number	
Capacity	

**Floor heaters**

Manufacturer  
 Type/number  
 Model number  
 Capacity

N/A

**Passenger Loading System**

Manufacturer  
 Type (hydraulic, electric or both)  
 Model number  
 Capacity (lbs.)

New Flyer - ASP Industries
Electric pump\ hydraulic
GEN 2
660 lbs.

**Dimensions**

Width of ramp 

32.0
------

 inches  
 Length of ramp 

47.5
------

 inches

**Cycle times**

	<b>Normal idle</b>		<b>Fast idle</b>			
Stowed to ground	<table border="1"><tr><td>10</td></tr></table>	10	seconds	<table border="1"><tr><td>10</td></tr></table>	10	seconds
10						
10						
Ground to stow	<table border="1"><tr><td>10</td></tr></table>	10	seconds	<table border="1"><tr><td>10</td></tr></table>	10	seconds
10						
10						

**Electronics**

Video system manufacturer  
 Video system model number  
 Number of cameras  
 Multiplex system manufacturer  
 Multiplex system model number  
 Automatic passenger counter system manufacturer  
 Automatic passenger counter system model number  
 Destination sign manufacturer  
 Destination sign model number  
 AVL/AVM system manufacturer  
 AVL/AVM system model number  
 Passenger information system manufacturer  
 Passenger information system model number

please review optional items list
Parker Vansco
TBD
Not Included in base
Twin Vision
Smart Series
Not Included in base
Not Included in base

**Coach Body Fittings**

Passenger windows manufacturer

Arow Global
-------------

**Exterior/interior mirrors**

Size	8" x 15	8" x 15 rear veiw mirror
Manufacturer	Hadley	Allegis
Model number	TBD	TBD
Manufacturer part numbers	TBD	TBD

**Bicycle racks**

Manufacturer	Sport works	this is priced as an option
Model number		

**Paint system**

Manufacturer	Axalta
Type	Automotive Paint



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
6	Optional Items and pricing	Optional Items and pricing



# JEFFERSON PARISH

## Department of Purchasing

Michael S. Yenni  
Parish President

Renny Simno  
Director

March 14, 2018

### ADDENDUM # 4

Bid No.: 50-00121992

Bid Opening Date: March 20, 2018, 2:00 PM

For: Labor, Material and Equipment Necessary to Furnish and Deliver Ten (10) 35' and/or 40' Heavy Duty Transit Buses with an Option to Purchase Up to an Additional Thirty (30) within Five (5) Years

---

- ❖ CLARIFICATION AND REVISION OF SPECIFICATIONS
- ❖ REVISION OF BID FORM

**This addendum hereby revises and replaces the original bid form and is attached hereto. Bidders must submit this revised bid form with bid submission. Failure to do so will result in a bid rejection.**

**Question # 1:** (Reference 4.2.63(g) and (h)) Bidder requests the manufacture's name, and model number for the radio that is being required.

**Response:** Motorola 2500

**Question # 2:** (Reference section 4.2.63 (i)) Bidder requests the manufacture's name, and the model number for the antenna being requested.

**Response:** The antenna manufacturer will be dependent on ITS system that is or is not chosen.

**Question # 3:** (Reference Section 4.2.60 and Items 0340 and 0350) Bidder requests clarification as to if (2) separate optional seat layout are required.

**Response:** One standard seating layout is required for each size bus and another is optional - not required. Item 0350 is optional for bidders that choose to bid an equal and is not a requirement.

**Question # 4:** Bidder requests to delete the optional pricing for "0400 Retractors". It appears that this option should be part of option 0390.

**Answer:** Item 0400 – Option – Retractors (Wheelchair Securing Component) has been deleted from the bid form. **Revised bid form is attached.**

**Question # 5:** (Reference Part 1 – second paragraph below section R on page 5 of specifications) *It is the intent of this specification to describe the design requirements for a **remanufactured** Heavy-Duty Transit bus rugged enough to withstand rigorous intensive daily transit service operations and provide maximum reliability and availability, with a minimum of maintenance and repair time.*

Bidder requests clarification as to if the Agency is seeking a remanufactured Heavy-Duty Transit buses or if they are seeking new Heavy-Duty Transit buses.

DATE: 3/14/2018

Page: 5

BID NO.: 50-00121992

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES Yes NO \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED N/A %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF March 19, 2019

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

No later than June 30, 2018

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

N/A

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: New Flyer of America Inc.

ADDRESS: 6200 Glenn Carlson Drive

CITY, STATE: Saint Cloud, Minnesota

ZIP: 56301

TELEPHONE: ( 204 ) 224-6482

FAX: ( 204 ) 224-4214

EMAIL ADDRESS: Ryan\_Childe@newflyer.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 1

NUMBER: 2

NUMBER: 3

NUMBER: 4

TOTAL PRICE OF ALL BID ITEMS: \$ 4,117,200

For Qty 10 Diesel Buses (40')

AUTHORIZED

SIGNATURE: \_\_\_\_\_

Paul Soubry

Printed Name

TITLE: President and CEO

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 3/14/2018

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			LABOR, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH AND DELIVER TEN (10) 35' AND/ OR 40' HEAVY DUTY TRANSIT BUSES WITH AN OPTION TO PURCHASE UP TO AN ADDITIONAL THIRTY (30) WITHIN FIVE (5) YEARS		
1	10.00	EA	0010 - Bus, Heavy Duty Transit, 35 foot Fuel Type, per attached specifications	\$405,570	\$4,055,700
2	10.00	EA	0020 - Bus, Heavy Duty Transit, 40 Foot Fuel Type, per attached specifications	\$411,720	\$4,117,200
3	10.00	EA	0030 - Bus, Heavy Duty Transit, 40 Foot, Electric Section 4.2.64	\$850,612	\$8,506,120
4	10.00	EA	0035 - Bus, Heavy Duty Transit, 40 foot, Hybrid, per attached specifications	\$610,731	\$6,107,310
5	1.00	EA	0040 - Option Training, Section 4.2.13	See Section 10 of Proposal	
6	10.00	EA	0050 - Option - Engine throttle operation shall be inhibited through, interlocks, whenever: Front Door Open Section 4.2.24	No Charge	No Charge
7	10.00	EA	0060 - Option - Delete for the fire Supppresion for the diesel bus Section 4.2.27	-\$2,879.45	-\$28,794.49
8	10.00	EA	0070 - Option - Alcoa full polish aluminum wheels Section 4.2.34	\$1,660.96	\$16,609.56
9	10.00	EA	0080 - Option - Electrical assisted steering Section 4.2.35	No Charge	No Charge
10	10.00	EA	0090 - Option - Steering Axle (Oil Seals) Section 4.2.36	N/A	N/A

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
11	40.00	ST	0100 - Option - Four (4) Group 31 Batteries/Bus (set = 4) Section 4.2.42	\$797.31	\$7,973.14
12	10.00	EA	0110 - Option - Niehoff 703 Alternator Section 4.2.42	No Quote	No Quote
13	10.00	EA	0120 - Option - Delco 450 DN Alternator Section 4.2.42	-\$452.61	-\$4,526.13
14	10.00	EA	0130 - Option - Hardware gateway and/or wireless communications systems Section 4.2.43	\$382.37	\$3,823.69
15	10.00	EA	0140 - Option - Turn Signal Audible Indicator. Table 6	No Charge	No Charge
16	10.00	EA	0150 - Option - Charging system indicator (12/24V) detects battery high, low, imbalance, no charge condition, and initiates time-delayed shutdown. Table 6	No Charge	No Charge
17	10.00	EA	0160 - Option - Dash-mounted cup holder Section 4.2.47	\$11.31	\$113.10
18	10.00	EA	0170 - Option - Recaro Ergo Metro w/3-point seat belt, USSC 9100 ALX, USSC 9100 ALX3 USSC G2 (Operator's Seat) Section 4.2.49	Ergo Metro, \$261.77	\$2,617.72
				9100 ALX, \$170.15	\$1,701.48
				9100 ALX3, \$242.15	\$2,421.48
				USSC G2, \$555.35	\$5,553.48
19	10.00	EA	0180 - Option - Operator's seat alarm Section 4.2.49	\$45.47	\$454.72
20	10.00	EA	0190 - Option - Silicone cushion for the operator's seat Section 4.2.49	\$323.57	\$3,235.72
21	10.00	EA	0200 - Option - B&R 10"x11" 2-piece flat and convex, heated and remote	\$224.55	\$2,245.49

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
22	10.00	EA	w/stainless steel and cast aluminum arms (exterior mirrors) Section 4.2.50  0210 - Option - Frameless bonded transom mounted windows  Section 4.2.51	\$3,006.72	\$30,067.20
23	10.00	EA	0220 - Option - Thermo King TK 14 HVAC Section 4.2.52	N/A	N/A
24	10.00	EA	0230 - Option - Thermo King X430 Compressor  Section 4.2.52	-\$988.48	-\$9,884.80
25	10.00	EA	0240 - Option - Thermo King all Electric HVAC  Section 4.2.52	Included in Hybrid & E-Bus	
26	10.00	EA	0250 - Option - Two position stainless steel and black powder coated bike rack  Section 4.2.56	\$1,161.38	\$11,613.81
27	10.00	EA	0260 - Option - Dash mounted bike deployed indicator lamp.  Section 4.2.56	Included in option 0250	
28	10.00	EA	0270 - Option - Mounting bracket for a bicycle rack only.  Section 4.2.56	\$349.17	\$3,491.71
29	10.00	EA	0280 - Option - Trilingual Interior decals  Section 4.2.57	No Charge	
30	10.00	EA	0290 - Option - Seven (7") inch tail lights  Section 4.2.57	\$140.10	\$1,400.99
31	10.00	EA	0300 - Option - All LED "STOP" light manufactured by JKA Enterprise	\$457.48	\$4,574.79

DATE: 3/14/2018

Page 9

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			Section 4.2.57		
32	10.00	EA	0310 - Option - Altro flooring Section 4.2.58	-\$52.11	-\$521.05
33	10.00	EA	0320 - Option - Light that illuminates the farebox. Section 4.2.59	Included in base bus price	
34	10.00	EA	0330 - Option - GFI Odyssey farebox Section 4.2.59	\$16,370.65	\$163,706.52
35	10.00	EA	0340 - Option - Passenger seating by American Seating (N2005) Section 4.2.60	-\$1,116.00	-\$11,160.00
36	10.00	EA	0350 - Option - Passenger seating by Approved Equal. Section 4.2.60 Please note prior approval will not be accepted. All requests for approved equals must be submitted with the bid on APPENDIX K.	\$4,087.20	\$40,872.00
37	10.00	EA	0360 - Option - American Seating Reliant (Wheelchair Securing System) Section 4.2.61	Not Available	
38	10.00	EA	0370 - Option - 4ONE Q-pod (Wheelchair Securing System) Section 4.2.61	\$4,959.60	\$49,596.00
39	10.00	EA	0380 - Option - 4ONE V-Pro (Wheelchair Securing System) Section 4.2.61	\$174.00	\$1,740.00
40	10.00	EA	0390 - Option - Q-Straint Belts (Wheelchair Securing Component) Section 4.2.61	\$343.20	\$3,432.00
41	10.00	EA	0410 - Option - White (Silver) LED light sign system.	\$2,146.49	\$21,464.92

DATE: 3/14/2018

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
42	10.00	EA	Section 4.2.62 0420 - Option - Color LED light sign system	Quoted Luminator sign as TV has no full color side signs. \$10,717.74	\$107,177.42
43	10.00	EA	Section 4.2.62 0430 - Option - Auxillary RS232 (DB9) port on the OCU under frame for inputs from any wireless technology that might be envisioned in the future. Section 4.2.62	No Quote	
44	10.00	EA	0440 - Option - Exterior displays (advertising provisions) Section 4.2.63	\$542.08	\$5,420.79
45	10.00	EA	0450 - Option - Video surveillance system Section 4.2.63	\$8,587.80	\$85,878.00
46	10.00	EA	0460 - Option - Motorola XLT 1500 with silent alarm switch, mobile radio system Section 4.2.63	No Quote	
47	10.00	EA	0470 - Option - Motorola XLT 2500 with silent alarm switch, mobile radio system Section 4.2.63	No Quote	
48	10.00	EA	0480 - Option - Motorola XLT 5000 with silent alarm switch, mobile radio system Section 4.2.63	No Quote	
49	10.00	EA	0490 - Option - ITS System (Passio) Section 4.2.63	Not Available	
50	10.00	EA	0500 - Option - ITS System (Avail) Section 4.2.63	\$25,878.00	\$258,780.02
51	10.00	EA	0510 - Option - ITS System (Approved Equal) Section 4.2.63	A quote was not received in time for proposal submission. Price will be available at a later date.	

DATE: 3/14/2018

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			Please note prior approval will not be accepted. All requests for approved equals must be submitted with the bid on APPENDIX K.		
52	10.00	EA	0520 - Option-Automated voice announcement system (Passio) with interior LED sign Section 4.2.63	Not Available	
53	10.00	EA	0530 - Option - Automated voice announcement system (Avail) with interior LED sign Section 4.2.63	Included in option 0500	
54	10.00	EA	0540 - Option - Automated voice announcement system (Approved Equal) with interior LED sign Section 4.2.63  Please note prior approval will not be accepted. All requests for approved equals must be submitted with the bid on APPENDIX K.	Included in option 0510	
55	10.00	EA	0550 - Option - Five (5) year/ three hundred thousand (300,000) miles warranty coverage - (Engine) Section 4.2.65	Engine XD35/40 \$5,100/Bus Engine XDE35/40 \$5,100/Bus	
56	10.00	EA	0560 - Option - Five (5) year/three hundred thousand (300,000) miles warranty coverage - (Transmission) Section 4.2.65  ***** NOTE: The prices the bidders offer on the bid proposal are to be considered base order prices for buses and associated equipment year one of the contract.  1. The price(s) of any buses or equipment ordered by the Procuring Parish after the initial one year firm/ fixed price period shall be that quoted (Base Order Prices) plus any escalation which will be calculated based on the following formula which utilizes the U.S. Department of Labor/ Bureau of Labor Statistics Producer Price Index ("PPI") Category 1413,	Transmission - XD35/XD40 \$2,815/Bus BAE Hybrid Drive \$15,000/Bus	

DATE: 3/14/2018

Page 12

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00121992

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			"Trucks and Bus Bodies". The escalation in this index will be used to adjust the Base Order Prices.		



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
7	Tooling and Diagnostics	Tooling and Diagnostics recommendations and pricing. (Tooling and Diagnostics are not part of the base bus price)

CONTRACT DELIVERABLES LIST		DIAGNOSTICS & TOOLS	
CUSTOMER NAME	Jefferson Parish		
BID/OPTION/SR NUMBER	18-011		
TECHNICAL SUMMARY			
BUS MODEL	XD40		
QUANTITY			
ENGINE	Cummins L9		
ALTERNATOR	EMP		
RADIATOR	Medine/EMP		
TRANSMISSION	Allison B400R		
AXLES	MAN VOK-07 Front, HY1350 Rear, disc brakes		
ABS	Meritor Wabco		
AIR CONDITIONING	Thermo King RUF, Intelligence III, R134a		
AUXILIARY HEAT			
PLC	Vansco		
DESTINATION SIGNS	Luminator/Twinm Vision/Axion		
PAGE REFERENCE			

**NOTE: TOOL KITS MAY BE SUBJECT TO CHANGE AND MAY NEED TO BE REVISED OR RE-QUOTED BASED ON FINAL SELECTION OF VEHICLE SPECIFIC COMPONENTS**

**\*\* All claims for concealed shortages must be reported within 20 days of shipment date. Shipping damages and / or loss must be noted on the delivering carrier waybill at the time of receipt of shipment. A copy of the carrier waybill and / or carrier inspection report must be submitted with your claim within 5 days of receipt of shipment to New Flyer Customer Service.**

DESCRIPTION	QUOTED PART #	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
Diagnostic Equipment					
Panasonic CF54 Laptop (Semi-Rugged)	108658	USD	\$2,116.30	Recommended	Y
Nexis USB Link 2	6953474	USD	\$1,042.35	Recommended	Y
Cummins Insite Lite (1 year subscription)	6939520	USD	\$1,047.94	Recommended	Y
Cummins Insite Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
Allison Software for Fleet - USB (1-yr subscription)	6469848	USD	\$498.12	Recommended	Y
Kit, WTEC III Breakout Box	6448115	USD	\$2,841.74	Recommended	Y
Vansco Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
Vansco DLA Adapter Kit	6951820	USD	\$508.60	Recommended	Y
EMP Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
EMP Controller Desktop Programming Kit	6469214	USD	\$813.08	Recommended	Y
Twin Vision Elyses Software	122321	USD	\$838.35	Recommended	Y
USB Key - Twin Vision	6960894	USD	\$50.30	Recommended	Y
Meritor Wabco ABS Toolbox Software	6954595	USD	\$417.78	Recommended	Y
Intelligence III Diagnostic Software & Cables	6999934	USD	\$1,639.41	Recommended	Y
Spheros Diagnostic Software & Cables	6996448	USD	\$518.13	Recommended	Y
Adapter Harness - Spheros Interface	6430418	USD	\$188.49	Recommended	Y
Specialized Tooling					
Cummins L9 Service Tool Kit	6412388	USD	\$23,585.07	Recommended	Y
Alignment Tool - Flex Connector	6960381	USD	\$679.35	Recommended	Y
Kit - Allison Service Tools	6960446	USD	\$8,019.68	Recommended	Y
TK R134a A/C Tool Kit	6950866	USD	\$17,740.69	Recommended	Y
Hansen Coolant Fill Adapter	6430666	USD	\$33.86	Recommended	Y
Coolant System Pressure Tester	594400	USD	\$798.90	Recommended	Y
Kit - Coolant Pressure Fill	6991000	USD	\$2,980.12	Recommended	Y
Adj Tool - Strg Gear Box Press Relief	6465285	USD	\$397.08	Recommended	Y
Depth Punch - Strg gear Box Press Relief	6465286	USD	\$271.31	Recommended	Y
Flow Meter Tester - Strg Gear Box	140809	USD	\$508.21	Recommended	Y
Puller Tool - Pitman Arm	6469995	USD	\$183.30	Recommended	Y
Repair Kit - Disc Brakes & Callipers	6408310	USD	\$2,710.21	Recommended	Y
Torque Multiplier	6314711	USD	\$5,223.81	Recommended	Y
Hub Repair Kit - MAN VOK-07 Frt Axle	6408311	USD	\$5,484.24	Recommended	Y
Optional Hub Removal Hydraulic Tool Kit - MAN VOK-07	6458834	USD	\$9,496.98	Recommended	Y
King Ph. Press Kit - MAN VOK-07 Frt Axle	6408312	USD	\$3,679.20	Recommended	Y
Hub Repair Kit - MAN HY1350 RR Axle	6408306	USD	\$652.74	Recommended	Y
ABS Sensor R&R Kit - MAN HY1350 RR Axle	6444302	USD	\$1,867.67	Recommended	Y
Pinion Seal Repair Kit - MAN HY1350 RR Axle	6444303	USD	\$5,649.67	Recommended	Y
Differential Repair Kit - MAN HY1350 RR Axle	6444304	USD	\$24,078.76	Recommended	Y
Optional Tool Kit - MAN HY1350 RR Axle	6996565	USD	\$196.49	Recommended	Y
Kit - Lift Tow Universal	6996567	USD	\$900.71	Recommended	Y
Kit - Lift Tow Receivers	434434	USD	\$1,025.88	Recommended	Y
Jacking Adapters	6995097	USD	\$763.83	Recommended	Y
Xcelior Flat Tow adapter (2 pcs. Per set)	111248	USD	\$2,344.84	Recommended	Y
Universal Flat Tow Bar Assy					

**CONTRACT DELIVERABLES LIST DIAGNOSTICS & TOOLS**

CUSTOMER NAME	Jefferson Parish
BID/OPTION/SR NUMBER	18-011
BUS MODEL	ODE40
QUANTITY	
ENGINE	Cummins ISL
ALTERNATOR	BAE
RADIATOR	EMP MHS
TRANSMISSION	BAE APS1
AXLES	MAN VOK-07 Front, HY1350 Rear, disc brakes
ABS	Meritor Wabco
AIR CONDITIONING	Thermo King TE-15, Intelligaire III, R407c
AUXILIARY HEAT	Spheros
PLC	Vansco
DESTINATION SIGNS	Luminator/Twin Vision/Axon

**NOTE: TOOL KITS MAY BE SUBJECT TO CHANGE AND COST MAY DIFFER ONCE ACTUAL VEHICLE SPECIFIC EQUIPMENT SELECTED. REQUEST QUOTE MAY BE REQUIRED**

**\*\* All claims for concealed shortages must be reported within 30 days of shipment date. Shipping damages and/or loss must be noted on the delivery carrier waybill at the time of receipt of shipment. A copy of the carrier waybill and/or carrier inspection report must be submitted with your claim within 5 days of receipt of shipment to New Flyer Customer Service.**

PAGE REFERENCE	DESCRIPTION	QUOTED PART #	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
	Diagnostic Equipment					
	for use with all software					
	Panasonic C554 Laptop (Semi-Rugged)	108658	USD	\$2,116.30	Recommended	Y
	Nexia USB Link 2	633474	USD	\$1,042.35	Recommended	Y
	Cummins Insite Lite (1 year subscription)	639520	USD	\$1,047.94	Recommended	Y
	Cummins Insite Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
	BAE DS Software	639628	USD	\$2,794.50	Recommended	Y
	KVASER Interface	639629	USD	\$454.11	Recommended	Y
	Vansco Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
	Vansco DUA Adapter Kit	6351820	USD	\$508.80	Recommended	Y
	EMP Software (Download from Net)	NET	USD	\$0.00	Recommended	Y
	EMP Diagnostic Interface Kit	6393985	USD	\$453.27	Recommended	Y
	EMP Controller Desktop Programming Kit	6469214	USD	\$813.08	Recommended	Y
	Luminator Software	639792	USD	\$487.68	Recommended	Y
	Meritor Wabco ABS Toolbox Software	6334296	USD	\$417.78	Recommended	Y
	Intelligaire III Diagnostic Software & Cable	6393934	USD	\$1,639.41	Recommended	Y
	Spheros Diagnostic Software & Cable	6396448	USD	\$518.13	Recommended	Y
	Adapter Harness - Spheros Interface	6430418	USD	\$188.49	Recommended	Y
	Specialized Tooling					
	Hybrid Cooling Line Tool - STC12 Fitting	6469562	USD	\$31.13	Recommended	Y
	Hybrid Cooling Line Tool - STC16 Fitting	6469563	USD	\$30.20	Recommended	Y
	Cummins ISL Service Tool Kit	6412388	USD	\$23,985.07	Recommended	Y
	Alignment Tool - Flex Connector	6369381	USD	\$679.35	Recommended	Y
	ISG Gap Measurement Tool	6469543	USD	\$1,297.93	Recommended	Y
	Assy - Jig ACTM	6400475	USD	\$1,956.15	Recommended	Y
	Lever - Anti Rotation	6400476	USD	\$978.08	Recommended	Y
	Assy - Jig ESR	6400477	USD	\$1,082.88	Recommended	Y
	Assy - Jig US6	6400478	USD	\$5,493.13	Recommended	Y
	Spanner - Socket Yoke	6400479	USD	\$1,676.70	Recommended	Y
	Table - Lift Sissor OTC	6400481	USD	\$11,577.31	Recommended	Y
	Blanket - Insulating	6400482	USD	\$55.89	Recommended	Y
	Eyebolt - M12 x 1.75 x 24 30mm	6400486	USD	\$55.89	Recommended	Y
	Eyebolt - MB x 1.25 x 16 25mm	6400487	USD	\$63.84	Recommended	Y
	Hardware - ACTM Lifting Hook	6410751	USD	\$5.59	Recommended	Y
	ESS Lift Kit	6410752	USD	\$2,235.60	Recommended	Y
	TK R407c-A/C Tool Kit	6397159	USD	\$19,389.06	Recommended	Y
	Hansen Coolant Fill Adapter	6430666	USD	\$33.66	Recommended	Y
	Coolant System Pressure Tester	594400	USD	\$798.50	Recommended	Y
	Kit - Coolant Pressure Fill	6391000	USD	\$1,990.12	Recommended	Y
	Adj Tool - Strg Gear Box Press Relief	6465265	USD	\$287.08	Recommended	Y
	Depth Punch - Strg Gear Box Press Relief	6465266	USD	\$271.31	Recommended	Y
	Flow Meter Tester - Strg Gear Box	340809	USD	\$508.21	Recommended	Y
	Puller Tool - Pitman Arm	6469995	USD	\$183.30	Recommended	Y
	Repair Kit - Disc Brakes & Calipers	6408310	USD	\$7,710.21	Recommended	Y
	Torque Multiplier	6314711	USD	\$7,223.61	Recommended	Y
	Hub Repair Kit - MAN VOK-07 Fft A46	6408311	USD	\$5,484.24	Recommended	Y
	Optional Hub Removal Hydraulic Tool Kit - MAN VOK-07	6458634	USD	\$3,442.42	Recommended	Y
	King Pin Press Kit - MAN VOK-07 Fft A46	6408312	USD	\$9,496.98	Recommended	Y
	Hub Repair Kit - MAN HY1350 RR A46	6408306	USD	\$3,679.20	Recommended	Y
	ABS Sensor R&R Kit - MAN HY1350 RR A46	6408307	USD	\$662.74	Recommended	Y
	Pinion Seal Repair Kit - MAN HY1350 RR A46	6444302	USD	\$1,867.67	Recommended	Y
	Differential Repair Kit - MAN HY1350 RR A46	6444303	USD	\$5,649.67	Recommended	Y
	Optional Tool Kit - MAN HY1350 RR A46	6444304	USD	\$24,078.76	Recommended	Y
	Kit - Lift Tow Universal	6396565	USD	\$196.49	Recommended	Y
	Kit - Lift Tow Receivers	6396567	USD	\$1,025.88	Recommended	Y
	Jacking Adapters	434434	USD	\$900.71	Recommended	Y
	Xcellior Flat Tow adapter (2 pcs. Per set)	6395097	USD	\$763.83	Recommended	Y
	Universal Flat Tow Bar Assy	111248	USD	\$2,344.84	Recommended	Y

**CONTRACT DELIVERABLES LIST - DIAGNOSTICS & TOOLS**

CUSTOMER NAME	Jefferson Parish
BID/OPTION/SR NUMBER	18-011
TECHNICAL SUMMARY	
BUS MODEL	XE40
QUANTITY	
PROPULSION	Siemens
ALTERNATOR	Vanner EBA
ENERGY STORAGE SYSTEM	XALT
DEPOT CHARGER	Siemens
ESS RADIATOR	EMP
AXLES	MAN VOK07 FR, HY1350 Rear
ABS	Meritor Wabco
AIR CONDITIONING	Thermo King TE15, Intelligaire III, R407c
CABIN HEATER	Spheros Electric
PLC	Vansco
DESTINATION SIGNS	Luminator/Twin Vision/Axion
FIRE SUPPRESSION	Amerex Modular

**NOTE: TOOL KITS MAY BE SUBJECT TO CHANGE AND MAY NEED TO BE REVISED OR RE-QUOTED BASED ON FINAL SELECTION OF VEHICLE SPECIFIC COMPONENTS**

**\*\* All claims for concealed shortages must be reported within 20 days of shipment date. Shipping damages and / or loss must be noted on the delivering carrier waybill at the time of receipt of shipment. A copy of the carrier waybill and / or carrier inspection report must be submitted with your claim within 5 days of receipt of shipment to New Flyer Customer Service.**

PAGE REFERENCE	COMMENTS	DESCRIPTION	QUOTED PART #	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
	for use with all diagnostic software	Diagnostic Laptops	108658	USD	\$2,116.22	Recommended	Y
		Panasonic CF54 Laptop (Semi-Rugged)	NPN	USD	\$0.00	Recommended	Y
		Siemens Sinds Software (Download from Net)	711447	USD	\$92.23	Recommended	Y
		Siemens Interface Harness	6472285	USD	\$654.97	Recommended	Y
		Peak CAN Adapter	NPN	USD	\$0.00	Recommended	Y
		XALT Service Tool Software (No charge from XALT)	704950	USD	\$94.83	Recommended	Y
		XALT Interface Cable - Batteries	6465863	USD	\$1,042.35	Recommended	Y
		Nokia USB Link 2 - WiFi Edition	6406922	USD	\$1,047.90	Recommended	Y
		Diagnostic Kit - Vanner HBA/EBA	6393934	USD	\$1,619.41	Recommended	Y
		Intelligaire III Diagnostic Software & Cables	NPN	USD	\$0.00	Recommended	Y
		EMP Software (Download from Net)	6324596	USD	\$417.77	Recommended	Y
		Meritor Wabco ABS Software	6396448	USD	\$518.11	Recommended	Y
		Spheros Diagnostic Software & Cables	6430418	USD	\$186.48	Recommended	Y
		Adapter Harness - Spheros Interface	NPN	USD	\$0.00	Recommended	Y
		Vansco Software (Download from Net)	6351820	USD	\$508.59	Recommended	Y
		Vansco DLA Adapter Kit	639792	USD	\$866.78	Recommended	Y
		Luminator IPS Software	NPN	USD	\$0.00	Recommended	Y
		Vapor VETCZ Software (No charge from Vapor)		USD	\$0.00	Recommended	Y
		<b>Special Tools</b>					
	Additional HV insulated hand tools are available at any local specialty tools supplier	Fluke Multimeter - CAT 111 c/w Test Leads	6400746	USD	\$951.47	Recommended	Y
		Insulated Rubber Gloves c/w Testing Label	6400742	USD	\$106.94	Recommended	Y
		Leather Protector - For Rubber Gloves	6400744	USD	\$31.08	Recommended	Y
		Rescue Hook 6ft - c/w Testing Label	6400745	USD	\$370.79	Recommended	Y
		Safety Cone - 28" c/w Reflective Band	6400747	USD	\$21.44	Recommended	Y
		Dielectric Overboots - HV Safety	6401847	USD	\$149.84	Recommended	Y
	Additional HV insulated hand tools are available at any local specialty tools supplier	Fluke Multimeter - CAT 111 c/w Test Leads	6400746	USD	\$951.47	Recommended	Y
		Insulated Rubber Gloves c/w Testing Label	6400742	USD	\$106.94	Recommended	Y
		Amerex Discharge Hose Blowout Adapter	052132	USD	\$92.92	Recommended	Y
		Amerex Fire Alarm/Simulator Module	135982	USD	\$218.31	Recommended	Y
		Adit Tool - Strg Gear Box Press Relief	6465266	USD	\$297.07	Recommended	Y
		Depth Punch - Strg Gear Box Press Relief	6472762	USD	\$71.30	Recommended	Y
		TK A/C Tool Kit - TE15 R407c	6408310	USD	\$18,556.71	Recommended	Y
		Repair Kit - Disc Brakes & Callipers	6314711	USD	\$3,056.95	Recommended	Y
		Torque Multiplier	6408311	USD	\$2,504.57	Recommended	Y
		Hub Repair Kit - MAN VOK-07 Fr Axle	6408312	USD	\$6,277.07	Recommended	Y
		Optional Hub Removal Hydraulic Tool Kit - MAN VOK-07	6458834	USD	\$3,969.92	Recommended	Y
		King Pin Press Kit - MAN VOK-07 Fr Axle	6408312	USD	\$10,685.98	Recommended	Y
		Hub Repair Kit - MAN HY1350 RR Axle	6408306	USD	\$4,059.34	Recommended	Y
		ABS Sensor R&R Kit - MAN HY1350 RR Axle	6408307	USD	\$735.44	Recommended	Y
		Pinion Seal Repair Kit - MAN HY1350 RR Axle	6444302	USD	\$2,074.44	Recommended	Y
		Differential Repair Kit - MAN HY1350 RR Axle	6444303	USD	\$6,358.88	Recommended	Y
		Optional Tool Kit - MAN HY1350 RR Axle	6444304	USD	\$27,262.91	Recommended	Y
		Kit - Lift Tow Universal	6396565	USD	\$196.48	Recommended	Y
		Kit - Lift Tow Receivers	6396567	USD	\$1,026.03	Recommended	Y
		Xcelbior Flat Tow adapter (2 pcs. Per set)	6395097	USD	\$766.68	Recommended	Y
		Universal Flat Tow Bar Assy	111248	USD	\$2,344.84	Recommended	Y
		Lacking Adapters	434434	USD	\$900.71	Recommended	Y



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
8	Warranty	Warranty Terms and Conditions

CONTRACT DELIVERABLES LIST		Warranty		BASE AND EXTENDED WARRANTY		MILEAGE	COMMENTS
MAJOR COMPONENT DESCRIPTION	PROVIDER	YEARS	YEARS	YEARS	YEARS		
CUSTOMER NAME Jefferson Parish							
BID NUMBER 18-011							
SR #							
CUSTOMER CONTRACT #							
CUSTOMER PO #							
LD DATE							
BUS MODEL XD35/40							
QUANTITY 10							
Base Bus Warranty	New Flyer Industries Limited	1				50,000	Excluding scheduled maintenance items, acts of nature, or normal consumables
Basic Bus Structure	New Flyer Industries Limited	3				Unlimited	Body, and body structure shall consist of the components that are bolted or riveted to the structure, such as, exterior panels, interior panels, roof, ceiling, and driver's barrier.
Chassis Structure (Integrity)	New Flyer Industries Limited	12				500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The structural integrity guarantee covers against a significant loss of structural integrity of the assembly or its functional performance due to non corrosion related failures.
Chassis Structure (Corrosion)	New Flyer Industries Limited	12				500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The corrosion guarantee covers against a significant loss of structural integrity of the assembly or its functional performance, resulting from a pertinent loss of cross-section due to corrosion caused by normal environmental elements but excludes corrosion caused by aggressive road de-icers such as Magnesium Chloride or equivalents, unless New Flyer approved preventative measures are taken.
Engine	Cummins	2				Unlimited	All repairs/warranty claims need to be handled through the local authorized repair facility. When the 3 year extended warranty is purchased (5 years total) the following applies: Two Year Base (Full Coverage), years 3,4 & 5 covers components only as per manufacturer's warranty document.
Transmission	Allison	2				Unlimited	All repairs/warranty claims need to be handled through the local authorized repair facility. When the 3 year extended warranty is purchased (5 years total) the following applies: Two Year Base (Full Coverage), years 3,4 & 5 covers components only as per manufacturer's warranty document.
Axle (Front and Rear)	MAN	5				300,000	Excluding maintenance items & items that are not covered by the OEM's warranty. All friction materials are excluded from this limited warranty. Wear and third party items supplied with the axle (e.g. slack adjuster, seals and bearings, shocks, air bellows, radius rods, brake chambers) are not included in the 5 year warranty. Please see manufacturer's warranty document.
A/C	Thermo King	3				Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Brake System	New Flyer Industries Limited	1				50,000	Friction Material Excluded
Destination Signs	Twin Vision	6				Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Door Systems	Vapor	3				150,000	Excluding maintenance items & items that are not covered by the OEM's warranty
Air Compressor	Cummins	2				Unlimited	
Wheelchair Ramp	New Flyer Industries Limited	1				50,000	Excluding maintenance items & items that are not covered by the OEM's warranty
Electrical System	Vansco	3				150,000	Some limitations and exclusions may apply - Please see manufacturer's warranty document.
LED Headlights	J.W. Speaker	6				Unlimited	
Paint	DuPont	5				Unlimited	
Floor Covering	RCA	12				Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. Warranty will cover labor up to 5 years.
Sub-Floor	Greenwood Products	12				Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document.
Starter	Delco	1				100,000	

CONTRACT DELIVERABLES LIST		Warranty		
CUSTOMER NAME	Jefferson Parish	CUSTOMER NAME	Jefferson Parish	
BID NUMBER	18-011	BID NUMBER	18-011	
SR #		SR #		
CUSTOMER CONTRACT #		CUSTOMER CONTRACT #		
CUSTOMER PO #		CUSTOMER PO #		
LD DATE		LD DATE		
BUS MODEL	XDE35/40	BUS MODEL	XDE35/40	
MAJOR COMPONENT DESCRIPTION	BASE AND EXTENDED WARRANTY PROVIDER	YEARS	MILEAGE	COMMENTS
Base Bus Warranty	New Flyer Industries Limited	1	50,000	Excluding scheduled maintenance items, acts of nature, or normal consumables
Basic Bus Structure	New Flyer Industries Limited	3	Unlimited	Body, and body structure shall consist of the components that are bolted or riveted to the structure, such as, exterior panels, interior panels, roof, ceiling, and driver's barrier.
Chassis Structure (Integrity)	New Flyer Industries Limited	12	500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The structural integrity guarantee covers against a significant loss of structural integrity of the assembly or its functional performance due to non corrosion related failures.
Chassis Structure (Corrosion)	New Flyer Industries Limited	12	500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The corrosion guarantee covers against a significant loss of structural integrity of the assembly or its functional performance, resulting from a pertinent loss of cross-section due to corrosion caused by normal environmental elements but excludes corrosion caused by aggressive road de-icers such as Magnesium Chloride or equivalents, unless New Flyer approved preventative measures are taken.
Engine	Cummins	2	Unlimited	All repairs/warranty claims need to be handled through the local authorized repair facility. When the 3 year extended warranty is purchased (5 years total) the following applies: Two Year Base (Full Coverage), years 3,4 & 5 covers components only as per manufacturer's warranty document.
Hybrid Drive	BAE	2	Unlimited	All repairs/warranty claims need to be handled through the local authorized repair facility. When the 3 year extended warranty is purchased (5 years total) the following applies: Two Year Base (Full Coverage), years 3,4 & 5 covers components only as per manufacturer's warranty document.
Axle (Front and Rear)	MAN	5	300,000	Excluding maintenance items & items that are not covered by the OEM's warranty. All friction materials are excluded from this limited warranty. Wear and third party items supplied with the axle (e.g. slack adjuster, seals and bearings, shocks, air bellows, radius rods, brake chambers) are not included in the 5 year warranty. Please see manufacturer's warranty document.
A/C	Thermo King	3	Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Brake System	New Flyer Industries Limited	1	50,000	Friction Material Excluded
Destination Signs	Twin Vision	6	Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Door Systems	Vapor	3	150,000	Excluding maintenance items & items that are not covered by the OEM's warranty
Air Compressor	Cummins	2	Unlimited	
Wheelchair Ramp	New Flyer Industries Limited	1	50,000	
Electrical System	Vansco	3	150,000	Excluding maintenance items & items that are not covered by the OEM's warranty
LED Headlights	J.W. Speaker	6	Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document.
Paint	DuPont	5	Unlimited	
Floor Covering	RCA	12	Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document. Warranty will Cover labor up to 5 years.
Sub-Floor	Greenwood Products	12	Unlimited	Some limitations and exclusions may apply - Please see manufacturer's warranty document.

CONTRACT DELIVERABLES LIST		Warranty		
CUSTOMER NAME	Lockerson Parish			
BID NUMBER	18-011			
CUSTOMER CONTRACT #				
CUSTOMER PO #				
LD DATE				
BUS MODEL	XE3540 (480 kwH)			
MAJOR COMPONENT DESCRIPTION	BASE AND EXTENDED WARRANTY PROVIDER	WARRANTY		COMMENTS
		YEARS	MILES	
Base Bus Warranty	New Flyer Industries Limited	1	50,000	Excluding scheduled maintenance items, acts of nature, or normal consumables
Basic Bus Structure	New Flyer Industries Limited	3	150,000	Body, and body structure shall consist of the components that are bolted or riveted to the structure, such as, exterior panels, interior panels, roof, ceiling, and driver's barrier.
Chassis Structure (Integrity)	New Flyer Industries Limited	12	500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The structural integrity guarantee covers against a significant loss of structural integrity of the assembly or its functional performance due to non corrosion related failures.
Chassis Structure (Corrosion)	New Flyer Industries Limited	12	500,000	Consists of all components that are welded together to form the main frame (skeleton) and body construction. The corrosion guarantee covers against a significant loss of structural integrity of the assembly or its functional performance, resulting from a pertinent loss of cross-section due to corrosion caused by normal environmental elements but excludes corrosion caused by aggressive road de-icers such as Magnesium Chloride or equivalents, unless New Flyer approved preventative measures are taken.
Propulsion System (Traction System, Controllers/Inverters and Gear Box)	Siemens	12	500,000	All repairs/warranty claims need to be handled through the local authorized repair facility. When the 3 year extended warranty is purchased (5 years total) the following applies: Two Year Base (Full Coverage), years 3,4 & 5 covers components only as per manufacturer's warranty document. New Flyer to cover warranty for year 6.
Batteries (Energy Storage System)	Xait Energy /New Flyer Industries Limited	12	500,000	*Capacity fade is the relative reduction of the total amount of energy the battery system can store in a single charge for the purpose of powering the bus as compared to capacity at beginning of life (BOL). Capacity fade is warranted to 70% of BOL total energy capacity at year 12 or 500,000 miles of bus age & mileage, whichever occurs first, when: 1) the battery depth of discharge (DOD) does not exceed 33% DOD between on route opportunity charges, and 2) storage state of charge (SOC), including but not limited to overnight and weekend, is < 50% SOC for > 80% of the time, and 3) capacity measurements are taken from a balanced ESS, and 4) ESS is maintained in the manner described in the New Flyer Service Manual.*
Axle (Front and Rear)	MAN	5	300,000	The string Battery Management System (BMS) controllers and Power Distribution Unit (PDU) are warranted for proper operation up to year 12 or 500,000 miles of bus age & mileage, when the ESS is maintained in the manner described in the New Flyer Service Manual.*
A/C	Thermo King	3	Unlimited	Excluding maintenance items & items that are not covered by the OEM's warranty. All friction materials are excluded from this limited warranty. Wear and third party items supplied with the axle (e.g. slack adjuster, seals and bearings, shocks, air bellows, radius rods, brake chambers) are not included in the 5 year warranty. Please see manufacturer's warranty document.
Brake System	New Flyer Industries Limited	1	50,000	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Destination Signs	Twin Vision	6	Unlimited	Friction Material Excluded
Door Systems	Vapor	3	150,000	Some limitations and exclusions may apply - Please see manufacturer's warranty document. All repairs/warranty claims need to be handled through the local authorized repair facility.
Air Compressor	PowerEx	1	50,000	Excluding maintenance items & items that are not covered by the OEM's warranty
Wheelchair Ramp	New Flyer Industries Limited	1	50,000	
Electrical System	Vansco	3	150,000	Excluding maintenance items & items that are not covered by the OEM's warranty
Sub-Floor	Greenwood Products	12	500,000	Some limitations and exclusions may apply - Please see manufacturer's warranty document.
Floor Covering	RCA	12	500,000	Some limitations and exclusions may apply - Please see manufacturer's warranty document. Warranty covers labor up to 5 years.
LED Headlights	J.W. Speaker	6	Unlimited	
Paint	DuPont	5	Unlimited	



NEW FLYER OF AMERICA

# WARRANTY CLAIM POLICY

Built to **RELY ON.**



NEW FLYER OF AMERICA

1. The purpose of this instruction is to ensure that warranty claims are properly processed, recorded and actioned in a timely manner through the New Flyer Industries ULC online warranty system.
2. Warranty period is based on the acceptance date of each coach.
3. Claims are to be submitted within thirty (30) calendar days from the date of failure.
4. Claims submitted later than thirty (30) calendar days will not be accepted, acceptance of claims over (30) days will require approval by the Warranty Claims & Bid Team Lead and/or the Warranty Manager.
5. All Claim types, (Standard warranty, Coach down and Retrofit), will be submitted to New Flyer Industries using iWarranty. For information on using the online warranty system, please call 204--224-6722 or email iwarranty@newflyer.com.
6. The Regional Product Support Manager (RPSM) is responsible for reviewing and approving all claims. New Flyer Industries Warranty Department has the final claim approval authority.
7. The properties must include all applicable supporting documentation when forwarding claims. This documentation will consist of such things as; invoices for service performed by a third party, invoices for parts purchased from third party other than New Flyer Industries ULC parts department. Pictures or maintenance records may also be required upon request.
8. All claims submitted for MAN disc brake failures (example calipers) must include a completed copy of the "Inspection checklist for disc brakes" with the claim. This checklist can be found in the MAN Warranty Process document.
9. Claim submission to New Flyer Industries Warranty Department is the responsibility of the property.
10. All defective parts claimed on Warranty must be returned to New Flyer Industries for warranty evaluation within forty-five (45) days from the date of failure. In certain circumstances the RPSM at their discretion and or in concurrence with a Warranty Recovery Administrator or Warranty Manager, may determine to dispose of defective parts at the properties location, and this must be indicated on the Warranty Claim.
11. Returned defective parts must be identified with the New Flyer Industries parts tag (see page 3). All information (items 1 through 9) must be completed and the tag must be affixed to the defective part. Defective parts are to be shipped to New Flyer Industries ULC (see Page 4 for United States packing slip, page 5 for Canadian packing slip and page 6 for carriers).
12. Failure to return defective parts within the allotted timeline may result in rejection of a claim or a debit against your warranty account in the cases where replacement warranty parts were provided at no charge under a Warranty Coach Down claim.
13. Note that all major components are to be claimed directly through an authorized dealer, this includes Engine, Transmission, HVAC and Destination Signs. All Battery warranty claims should also be directed through a local dealer where available.
14. Claims will not be accepted for scheduled maintenance items, normal consumables, or items with progressive wear characteristics (bushings, friction surfaces). Nor shall it apply to items furnished by the Procuring Agency.

Built to **RELY ON.**



NEW FLYER OF AMERICA

**NEW FLYER INDUSTRIES**

FROM: \_\_\_\_\_ (1) \_\_\_\_\_

DATE: \_\_\_\_\_ (2) \_\_\_\_\_

PART # \_\_\_\_\_ (3) \_\_\_\_\_

Description \_\_\_\_\_ (4) \_\_\_\_\_

SR # \_\_\_\_\_ (5) \_\_\_\_\_ BUS # \_\_\_\_\_ (6) \_\_\_\_\_

VIN # \_\_\_\_\_ (7) \_\_\_\_\_

CLAIM # \_\_\_\_\_ (8) \_\_\_\_\_

IWARRANTY # \_\_\_\_\_ (9) \_\_\_\_\_

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_







**United States Customers**

Shipments over 150 pounds	Shipments under 150 pounds
<p><b>ESTES Express</b> Phone: 1-877-268-4555</p> <p>Ship collect to New Flyer account 5022165</p>	<p>Federal Express Ground Phone 1-800-463-3339</p> <p><b>NOTE: Please specify to the FedEx operator that you are REQUESTING A CALL TAG going back to New Flyer Operator may need to be prompted to check the exception on the account if they state that New Flyer has to make this call.</b></p> <p><b>New Flyer Account # 326474207</b></p>



**Canadian Customers**

Shipments over 150 pounds	Shipments under 150 pounds
<p>ATS Phone: 1-888-404-4292</p> <p>Or</p> <p>514-733-8539 (Quebec)</p>	<p>Federal Express Ground Phone 1-800-463-3339</p> <p><b>NOTE: Please specify to the FedEx operator that you are REQUESTING A CALL TAG going back to New Flyer Operator may need to be prompted to check the exception on the account if they state that New Flyer has to make this call.</b></p> <p><b>New Flyer Account # 326474207</b></p>



NEW FLYER OF AMERICA

## VIN Decal

Located above the driver seat and to the left

	<b>NEW FLYER</b>	_____
_____		
DATE OF MANUFACTURE	_____	
GROSS VEHICLE WEIGHT RATING	_____	LB (KG)
GAWR: FRONT	_____	LB (KG) _____ TIRES
_____ RIMS AT	_____	PSI (KPA) COLD-SINGLE
CENTER	_____	LB (KG) _____ TIRES
_____ RIMS AT	_____	PSI (KPA) COLD-DUAL
REAR	_____	LB (KG) _____ TIRES
_____ RIMS AT	_____	PSI (KPA) COLD-DUAL
THIS VEHICLE CONFORMS TO ALL APPLICABLE US FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE		
V. I. N.	_____	
TYPE BUS	_____	
MODEL NO.	_____	

Built to **RELY ON.**

# NEW FLYER iWARRANTY



## Streamline your **WARRANTY LIFE CYCLE.**

New Flyer Industries is the first heavy-duty Transit OEM to offer an internet-based warranty lifecycle management system. This user-friendly tool will enable you to streamline your warranty, claims and parts processing. It will give you total visibility into the claims process from start to finish, increasing ease of management and creating efficiencies across the entire warranty life cycle.

**GET COMPLETE VISIBILITY** into the claims process from start to finish.

**ELIMINATE PAPER WORK** by entering claims directly into the system.

**IMPROVE EFFICIENCY** by responding with corrective action more quickly.

**RECEIVE FASTER PAYMENT** as a result of reduction in processing time.

**SPEED PROBLEM DISCOVERY** with early warning of possible product issues.

**MANAGE AND TRACK** all campaigns in real time, any time.



Claim	Failure	Parts	Labor	Other Charges	Customer
<b>Basic Claim</b>					
Submitting Location:	<input type="text"/>			Currency Code:	<input type="text"/>
Reference #:	<input type="text"/>			Requested Amt:	<input type="text"/>
Request Type:	Payment			Adjusted Amt:	<input type="text"/>
Claim Type:	Standard Warranty			Tax Amt:	<input type="text"/>
Based on:	None			Net Amt:	<input type="text"/>
	<input type="text"/>			Comments:	<input type="text"/>
SR:	<input type="text"/>				
VIN:	<input type="text"/>				
Customer Fleet #:	<input type="text"/>				
Coverage:	<input type="text"/>				
					Seq Reason Type

### BENEFITS OF iWARRANTY

The New Flyer Service Organization is always ready to solve your problems and get your bus up and running as soon as possible. iWarranty is just another step to making this happen faster. With iWarranty, you will find that paperwork, follow-up calls, faxes and monthly reconciliations will be greatly reduced, and possibly no longer necessary. You will have all the information that you need at your fingertips in real time. However, New Flyer Service is just a phone call away and is always here to support you through the warranty claims process and throughout the service life of your bus.

### FEATURES

- Instant access to an electronic copy of your warranty
- Self-service reporting capabilities, run standard reports or build your own custom reports
- Tracking of warranty claims on a bus-by-bus basis
- Visibility into the date your claims were paid along with the check number
- Status updates on parts requests
- Online maintenance of your warranty account information



### GET CONNECTED

To obtain your iWarranty login information contact us at 204.224.6722 or [iwarranty@newflyer.com](mailto:iwarranty@newflyer.com).

#### Manufacturing Facilities

Winnipeg, MB  
Crookston, MN  
St. Cloud, MN  
Anniston, AL

#### Parts Distribution Centers

Winnipeg, MB  
Brampton, ON  
Hebron, KY  
Fresno, CA

#### Bus Fabrication

Winnipeg, MB  
Elkhart, IN

#### Service Centers

Arnprior, ON  
Ontario, CA

*Built to*  
**RELY ON.**<sup>™</sup>

Printed 03-15

Quality Management System ISO 9001 certified | Environmental Management System ISO 14001 certified | Occupational Health and Safety Management System OHSAS 18001 certified

### **HybriDrive® TB200 Production Warranty Program**

Each BAE Systems TB200 HybriDrive® Propulsion System comes with standard two (2) year / 120,000 mile warranty (whichever occurs sooner). This warranty shall run to the OEM and its customers and provides for correction or replacement due to defects in materials and workmanships during the warranty period. BAE Systems will be responsible for all freight charges associated with material shipments that result from a warrantable failure of the HybriDrive® system.

An optional three (3) year extended warranty is available for purchase which results in a total coverage of five (5) years / 300,000 miles (whichever occurs sooner) and covers the following hardware: Integrated Starter Generator (ISG), Propulsion Control System (PCS), Traction Motor (ACTM), Gearbox, Lithium Ion Energy Storage System (ESS) and System Control Unit (SCU). All other HybriDrive® system hardware will have a standard two-year warranty.

BAE Systems will provide reimbursement up to a maximum of \$500 per instance for towing charges that result from a warrantable failure of the HybriDrive® System during the first two years of the warranty period.



Standard Warranty Coverage for HDS200 & HDS300 HybriDrive® System		
Covered Components of the HybriDrive® System		Duration
Standard Hardware	Alternating Current Traction Motor and Gearbox (ACTM/PSR)	2 Years, Unlimited Miles
	Integrated Starter Generator (ISG)	
	Propulsion Control System (PCS)	
	System Control Unit (SCU)	
Energy Storage System	Lithium Ion Energy System (ESS)	3 Years, Unlimited Miles for Quality and Workmanship
Accessory Hardware		Duration
Optional Hardware	Accessory Power System-1 (APS1)	Two (2) Years; Unlimited Miles
	Accessory Power System-2 (APS2)	
	Electronics Cooling Package (ECP)	

**STANDARD WARRANTY COVERAGE**

When properly installed, used and maintained in accordance with the BAE HybriDrive® Service Manual, each BAE Systems TB200 or TB300 HybriDrive® Propulsion System comes with the warranty stated above. This warranty shall run to the OEM and its customers and provides for correction or replacement due to defects in materials and workmanships during the warranty period. BAE Systems will be responsible for all freight charges associated with material shipments that result from a warrantable failure of the HybriDrive® system.

**PERFORMANCE OF REPAIRS:**

Contact BAE Systems HybriDrive® Support upon indication of a failure at: [PS-Hybridrivesupport@baesystems.com](mailto:PS-Hybridrivesupport@baesystems.com) or call 1-800-576-3346 and select 'Option 1'. Normal Business Hours are: Monday through Friday between the hours of 8:00AM and 4:00PM Eastern Time.

Support fault codes (fault history file) must be downloaded from the vehicle and sent to the email address listed in 6(a), above, in conjunction with calling for service request.

A Customer Service Technician will determine the next steps and respond to service request within 24 hours during Normal Business Hours. BAE Systems will schedule a service call within three (3) days of request if the work is to be performed on site or within five (5) if the vehicle must be removed from customer premises for repairs.

**NO OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE APPLICABLE TO ANY GOODS OR SERVICES DELIVERED HEREUNDER, REGARDLESS OF WHETHER PURCHASER'S CLAIM OF DEFECT ARISES UNDER WARRANTY, CONTRACT, TORT OR OTHERWISE. THE FOREGOING SHALL CONSTITUTE PURCHASER'S SOLE RIGHT AND REMEDY UNDER THESE STANDARD CONDITIONS OF SALE.**



### WHAT IS COVERED

- ✓ **DIAGNOSTICS and REPAIR** due to a warrantable failure of a component of BAE Systems HybriDrive® System. Coverage includes service labor, materials, equipment, shop supplies, incidentals and overhead costs and expenses incurred in the performance of all such services.
- ✓ **COVERAGE** –Coverage applies to HybriDrive HDS200 and HDS300 systems installed in a Transit Bus. Coverage extends to the original and any subsequent owner(s) of the vehicle during the coverage period.
- ✓ **SERVICE INCLUDES** - Repair or replacement of affected hardware, at BAE Systems' option, to correct any system malfunction that occurs during the coverage period. Needed repairs or replacements will be performed using the method BAE Systems determines most appropriate under the circumstances.
- ✓ **CUSTOMER PHONE SUPPORT** - 1-800-576-3346 and select 'Option 1' or via email [PS.Hybridrivesupport@baesystems.com](mailto:PS.Hybridrivesupport@baesystems.com)
- ✓ **COMPONENT REMOVAL AND REINSTALLATION (R&R)**- Labor costs for the removal and reinstallation of a system component.
- ✓ **TOWING** – BAE Systems will provide reimbursement up to a preauthorized amount per instance for towing charges that result from a warrantable failure of the HybriDrive® System during the warranty period.
- ✓ **FREIGHT** – Warranty is inclusive of freight charges.
- ✓ **UNAPPROVED INSTALLATION or ALTERATION** — Any defect attributed to alteration(s) made to the BAE Systems' propulsion system, or any modification made to the vehicle which allows the propulsion system to be installed or operated outside of the limits defined in BAE Systems Installation Specifications, is the sole responsibility of the entity making the alteration(s).
- ✓ **DAMAGE CAUSED by LACK of MAINTENANCE**— Defects and damage caused by failure to follow the recommendations of the maintenance schedule intervals are not covered.
- ✓ **MAINTENANCE** — Normal maintenance (such as replacement of filters, screens, and fluids) is not covered and is the Customer's responsibility.
- ✓ **REPAIRS by UNAUTHORIZED REPAIR FACILITY** — Defects and damage caused by a service outlet that is not the expressly authorized by a BAE Systems' representative are not covered.
- ✓ **USE of OTHER THAN GENUINE BAE SYSTEMS' PARTS** — Defects and damage caused by the use of parts that are not genuine BAE Systems' parts are not covered.
- ✓ **EXTRA EXPENSES** — Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of vehicle use; collateral damage; inconvenience; storage; payment for loss of time or pay; vehicle rental expense; lodging; meals; or other travel costs.

### WHAT IS NOT COVERED

- ✓ **DAMAGE DUE TO ACCIDENT, INCIDENT, or MISUSE**  
Damage resulting from accident or misuse, including, but not limited to, damage resulting from the following are not covered under the Warranty Program:
  - Collision, fire, vandalism, etc.;
  - Natural Disasters (e.g., Flood, Earthquake, Hurricane);
  - Storage of hardware outside of industry accepted norms for reasonable care.
- ✓ **IMPROPER OPERATION** - Damage resulting from operation of hardware outside of instructions defined in applicable operating instructions, including, but not limited to, vehicle operation/service manuals (e.g.,

### QUESTIONS

If you have any questions regarding this coverage plan or the performance of coverage obligations, please contact:

BAE Systems HybriDrive® Support:  
[PS.hybridrivesupport@baesystems.com](mailto:PS.hybridrivesupport@baesystems.com), or  
 1-800-576-3346, Option 1

# Transit & Shuttle Bus Warranty & Extended Coverage

Belts/Hoses*
Starters/Alternators
Fuel Pump
Engine Sensors
Engine Wiring Harnesses
Air Compressor
Vibration Damper
Fan Hub Assembly
Belt Tensioner
Exhaust Manifold
SCR Assembly
Aftreatment Injector
Decomposition Reactor
DPE Assembly
Hydrocarbon Doser System
Water Pump
Turbo
Fuel Injectors
EGR Cooler, EGR Valve, EGR Mixer (if applicable)
Cylinder Head Assembly
ECM
Piston, Rings and Liners
Lube Oil Cooler Assembly
Cylinder Block Assembly
Crankshaft Assembly
Front Gear Cover
Oil Pan
Connecting Rod Assembly
Lube Pump Assembly
Camshaft Assembly and Bushings
Brake Housing, Bushing, Rocker Levers, Roller Pin, Roller, Crosshead Pin, Crosshead Including Mounting Harward & Gaskets
Engine Cylinder Block Casting
Engine Main Bearing Bolts
Engine Cylinder Head Casting
Engine Cylinder Head Capscrews
Engine Crankshaft Forging
Engine Camshaft Forging
Cam Follower Housing
Cam Follower Assemblies
Engine Connecting Rods & Caps
Engine Connecting Rod Bolts
Intake Manifold Casting
Rocker Lever Housing
Rocker Lever Assembly
Gear Train Gears

- Belts/Hoses are only covered under the first year of base warranty
- Mounting hardware and gaskets of components not covered, are also not covered. If the primary component is covered, then the mounting hardware and gaskets are covered.
- Diesel components listed under ISL G would not be applicable
- Engine wiring harness and sensors covered under NEC
- No deductible
- Includes towing during the base warranty

For more information on specific engine coverage and limitations, please refer to CIRCUIT and the WAM

## Base Warranty

2 Y/Unlimited miles

**CWB (ISL G)**

Options are available up to 5 Y/300K miles (482,804 km)

**NEC**

Options are available up to 5 Y/500K miles (804,672 km)

**CWG (ISL G)**

**MD Major Components**

6 Y/300K miles (482,804 km)





### **3. CORROSION PROTECTION**

#### **3.1. Prevention**

Periodically clean the under-structure to remove dirt accumulation from flanges, ledges, channels and so forth. These places hold dirt and salt in direct contact with steel and aluminum surfaces. Use of an under-structure spray as part of the regular washing, with an occasional and more thorough cleaning with a high pressure spray is recommended.

#### **3.2. Corrosion Treatment**

##### **3.2.1. Introduction**

The under structure of your New Flyer vehicle has been protected using the following products:

- Chemkleen CL90 - to clean structure.
- Urethane Zinc Rich Primer - consisting of S28079 catalyst and S28080 zinc powder.
- Corashield™7972 - undercoating compound
- Coratube™ used as an internal structural tube coating

All of these products are available from PPG Industries.

##### **3.2.2. Surface Preparation**

The vehicle frame and chassis must be prepped through several processes to adequately protect the structure and chassis from premature corrosion.



## Corrosion Treatment

### 3.2.3. Replacement Structure

1. Replacement structural members must be thoroughly washed with a Chemkleen CL90 and water solution using a high pressure wand. This process will remove dirt and oil from the surface to be treated.
2. Thoroughly rinse the cleaned structure with water using a high pressure wand.
3. Allow the steel members to dry thoroughly.

 **NOTE:**

*The structure must be dirt and grease free before grit blasting, to prevent dirt and oil from being imbedded into the grit blasted pores.*

4. Grit blast the cleaned and dry structure to bare metal. Grit blast all surfaces to an SSPC-SP-6 profile of 1.0 to 2.0 mils. Wheel abrade any spots missed grit blasting which still have rust, millscale or weld spatter still present.

 **NOTE:**

*SSPC-SP-6/NACE No. 3 "Commercial Blast Cleaning" is a standard available from SSPC: The Society for Protective Coatings.*

5. Use compressed air to remove all grit from structure surface. Work down from the top of the blast area.



**If available, sandblasting can be used for cleaning bulkheads, brackets and other structural members. However, sand blasting should not be used for cleaning the side paneling of vehicle body. Extreme care should be taken not to sandblast excessively.**

 **NOTE:**

*This procedure must be followed exactly to produce a properly iron phosphate treated metal surface. This will provide the bonding surface required for adequate primer adhesion for corrosion protection.*

6. Parts coated with zinc primer and undercoating with a damage area not more than 1/8" in width may be repaired by applying undercoating over the damage area.
7. Damaged undercoated areas more than 1/8" in width must be cleaned to bare metal. Clean 2" around the damage area in all directions.
8. Tube type frame members closed at both ends must be drilled to allow insertion of the spray tip into the tube. The hole should be 1/2" in diameter and approximately midway along the length of the tube to permit complete spray coverage.
9. Use caulking sealant (Sika-221) to seal between side panels and frame, between floor and frame and anywhere water could seep into.
10. Allow caulking to skin over for a minimum of 15 minutes.
11. Mask exposed fittings and hoses.

### 3.2.4. Existing Structure

For parts coated with previously applied zinc rich primer only, sandblast or wheel abrade the repair area to bare metal, and reapply primer as described. Observe requirements of steps 3. through 8. of "Replacement Structure" to properly treat damaged area before application of primer. See "Fig. 11-1: Untreated Repair Area" on page 7. See "Fig. 11-2: Surface Cleanup" on page 7.

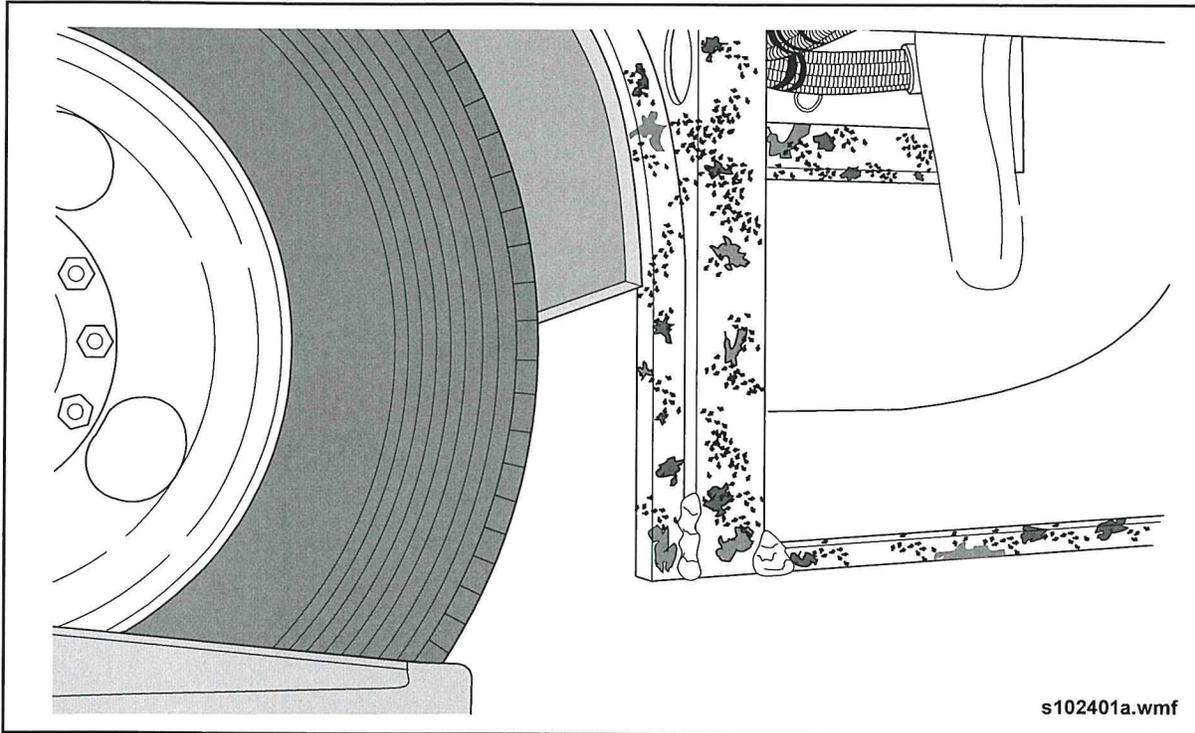


Fig. 11-1: Untreated Repair Area

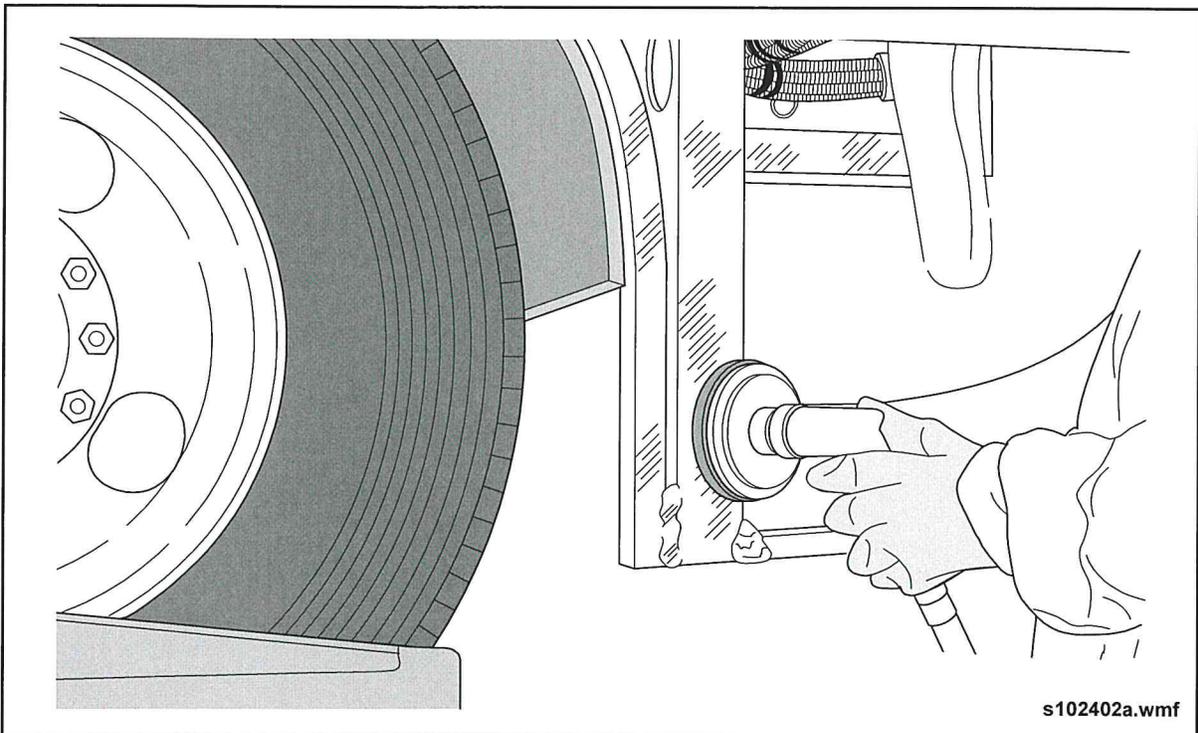


Fig. 11-2: Surface Cleanup



## Primer Application

### 3.3. Primer Application

Primer is applied to all metal parts forming the structure.



**Observe all workplace safety standards and procedures. Wear chemical splash protection goggles or a face shield. Use an organic vapor respirator with a dust and mist prefilter as atmospheric conditions require. Wear chemical resistant protective clothing for skin protection such as gloves, apron, coveralls and safety footwear, as required.**

1. Work in a properly ventilated area with an exhaust and intake system that will safely and efficiently remove fumes and supply fresh air.
2. Prepare primer by combining one gallon of S28079 liquid to 29 lb. of S28080 zinc powder as per instructions. Mix thoroughly and use immediately.

#### **NOTE:**

*DO NOT apply primer if ambient temperature is below 40°F (5°C) or if humidity is less than 12% or above 90%. Primer cannot be applied over undercoating material.*

3. Apply primer using a brush or appropriate spraying equipment. Wet film thickness should be 6.5 mils. This will result in a dry film of 3.0 to 4.0 mils. Film thickness is important to ensure adhesion and corrosion protection. See "Fig. 11-3: Primer Application" on page 8.

#### **NOTE:**

*Air mix spray gun must maintain an air atomization pressure of 60 lb., with a fluid pressure set at 1,000 psi. Airless spray gun operates at a fluid pressure of 2,000 to 4,000 psi. Primer may be mixed with up to 10% thinner when using an air mix sprayer or up to 5% when using an airless sprayer.*

4. Ensure all surfaces are properly coated and allow a minimum of 4 hours curing time.

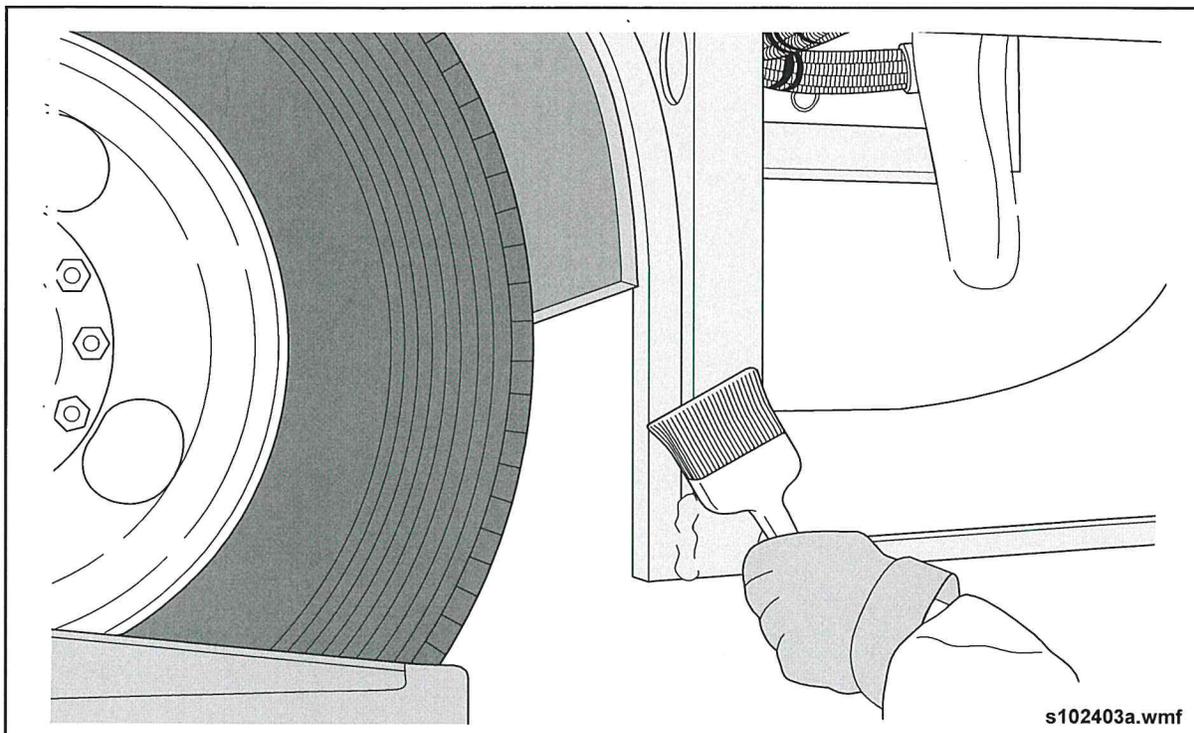


Fig. 11-3: Primer Application



**3.4. Undercoating Application**

Undercoating is factory applied to all the under chassis areas exposed to road spray.

**NOTE:**

*DO NOT apply undercoat to the following components: axles, bellows, suspension beams, radius rods, steering box, leveling valves, brake valves, safety valves, drain cocks, and the air dryer.*

1. Mix undercoating compound (Corashield™ 7972) and thin to required consistency.
2. Ensure ambient temperature is between 50 and 90°F (10 and 32°C) and humidity is under 80%. Substrate temperature cannot exceed 212°F (100°C).

3. Spray repair areas with a wet film thickness of 20 mils while maintaining a spray distance of 12 to 15" (30 to 38 cm). Dry film thickness to be 10 mils minimum. See "Fig. 11-4: Corashield Application" on page 9.
4. If undercoating will not adhere properly, wash area with appropriate solvent and allow to dry for 5 to 10 minutes. Repeat spraying process and allow undercoating to set for a minimum of 10 minutes.

**NOTE:**

*DO NOT allow freezing of the repaired area for a minimum of 24 hours.*

5. Allow adequate air flow to ensure even drying. Material should be dry to touch in 30 minutes, dry hard in 24 hours and fully cured in 72 hours.

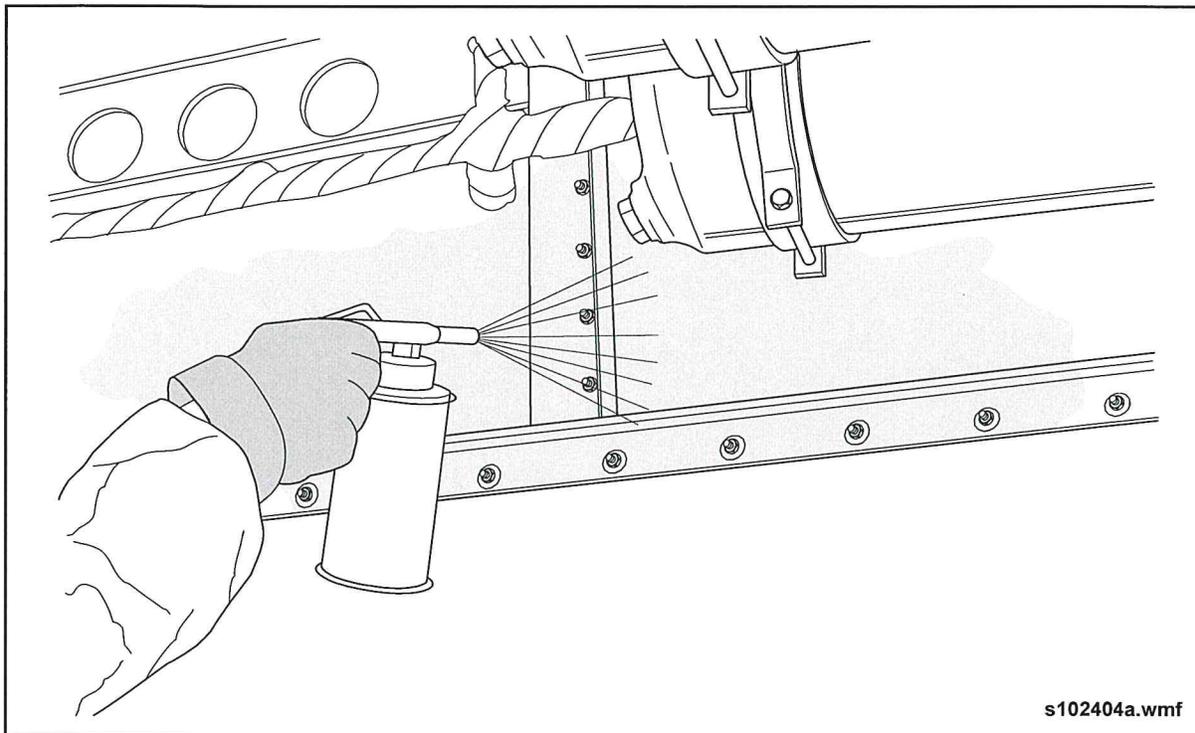


Fig. 11-4: Corashield Application



## Frame Tubing Internal Coating

### 3.5. Frame Tubing Internal Coating

Any tubing that is being replaced must be internally coated with Coratube.

1. Insert spray nozzle into tube through 1/2" hole previously drilled and spray sufficient

compound to fully coat the internal faces of the tubing. See "Fig. 11-5: Coratube Application" on page 10.

2. Remove spray nozzle and install sealing plugs.

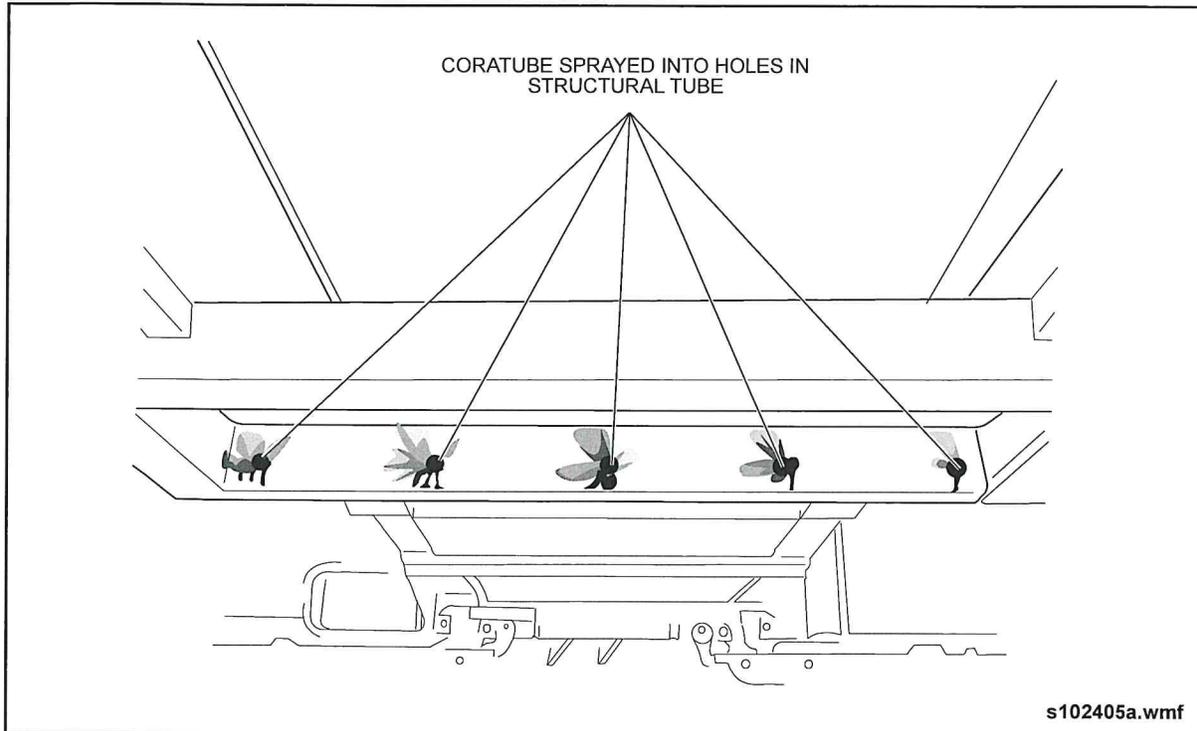


Fig. 11-5: Coratube Application



### 3.6. Corrosion Warranty Inspection

**NOTE:**

*New Flyer Industries requires that the inspection, maintenance and record keeping requirements covered in this document be performed. Failure to perform these procedures may void the corrosion warranty on affected units.*

#### 3.6.1. Frequency of Inspection

The maximum benefit from the corrosion protection of your vehicle can only be achieved with proper care and maintenance. No protection that can be applied to a vehicle can totally protect the vehicle from all the damage to which it may be subjected. Damage from stones, gravel and other vehicles can remove the coatings and leave the metal open to the elements. The most effective method available that can come close to preventing corrosion is an inspection policy and consistent maintenance of the coatings.

The vehicle under body must be fully inspected and cleaned as outlined in this document every three (3) years. Failure to inspect and keep accurate records of these inspections will result in the warranty of the coating system being voided. Please be advised that any curbing or other inci-

dents that may have removed the corrosion protection coating must be repaired within 1 month of incident.

#### 3.6.2. Inspection Procedure

The areas to inspect on a constant basis are areas of high physical wear and high air movement. The area with high impact are areas like behind the wheel wells and structural members that face the front of the vehicle. These areas will face the full impact of road debris, as in stones, and face the most paint erosion.

Areas of high air movement, like intake vents and air conditioning units must be inspected as well. These areas tend to collect dust and dirt that can hold moisture and promote erosion and corrosion in all types of parts.

The following areas are to be inspected. Refer to 3.6.1. "Frequency of Inspection" on page 11 in this section for stated frequency. Prior to the inspection the vehicle should be raised and a preliminary inspection should be given to the under body to find the areas of road debris build-up. These areas should be paid extra attention due to the fact that this debris can hold moisture and promote corrosion.



## **Corrosion Warranty Inspection**

### **3.6.2.1. Under Body Inspection**

1. Perform preliminary inspection for dirt/sand built-up.
2. Clean any excess dirt/sand using a stream of high pressure water with a weak detergent. Ensure the entire structure is cleaned thoroughly including the top surfaces of structural tubes, gusset faces, lap joints and interior corners where structural members are welded at an angle.
3. Start at the front of the vehicle. The area between the front bumper and the front axle will show the minimum amount of erosion/corrosion from water and road debris.
4. Front wheel wells should be looked at next. Bare fiberglass at wheel wells means that the vehicle has been in a high erosion area (for example gravel roads).
5. The area from the front wheel wells to the rear bumper should be examined for areas of missing primer or undercoating. Structural members that face the direction of travel will experience the worst erosion from road debris being brought up from the tires.
6. Inspect suspension bunks for paint erosion.
7. Inspect the main structural rails above the rear axles. Check at the structural lap joints for loose adhesive. Clean any collected dirt and look for peeling primer and eroded undercoating. Lap joints are areas where crevice and pitting can have the most detrimental affect.
8. Inspect the top of the tubes located at the bottom of the side panels for dirt and moisture. Check for corrosion and paint peeling.
9. Ensure all drain holes are clean and not plugged.
10. Check all lap joints. Any lap joint with missing sealant must be cleaned with high pressure water and sealed with a urethane caulking as per the repair manual.

 **NOTE:**

*Any holes, caused by accidents, in side panels, pier panels or roof panels should be filled to prevent water from entering into and sitting behind the paneling. This moisture can be held next to structural tubing and promote high levels of corrosion if allowed to remain.*

**3.6.3. Repairs for Undercoated Areas**

1. Any scratches, gouges or cracks found in the undercoating that reached the primer or steel underneath must be repaired by first thoroughly grinding the area to remove any contamination and rust. All bare metal surfaces must be primed with Coraprime (available from the New Flyer Parts Division). If the undercoating has been penetrated but the under lying primer is still intact, no repairs are necessary.
2. Any adhesive missing from lap joints should be replaced by thoroughly cleaning the area of dirt and grease, and applying the urethane adhesive.
3. The Corashield undercoating can then be applied to the required thickness. Corashield is available from the New Flyer Parts Division.

**3.6.4. Repairs for Non-Undercoated Areas**

1. Any area which does not have the undercoating must be repaired by grinding the area and the 1/4" around the damaged area. The bare metal must be primed with Coraprime.
2. Corashield must be applied to the determined thickness. This product is available from the New Flyer Parts Division.

**3.6.4.1. Areas of Structure Hidden by Paneling**

New Flyer does not expect maintenance personnel to inspect the structure underneath paneling, during the above process.

Nevertheless, if the customer must replace a panel for any reason they must take the time to inspect the structure for dust or dirt that may have accumulated. Any dirt should be cleaned and the area dried out at this time and the structure examined for corrosion. Any corrosion or loose primer should be repaired before paneling is replaced. Any tubing replaced due to accident damage must have its interior walls under coated with Coratube™ available from the New Flyer Parts Division.

**3.6.5. Record Keeping**

The warranty states that all inspections and repairs must be documented and kept on file for the life of the warranty. The following is the minimum of what should be recorded:

1. The Vehicle Serial Number.
2. The date of the last repair/inspection.
3. The reason for the inspection and/or reason for the vehicle being in the shop.
4. What was found and what was done to repair the vehicle. This includes if it was surface corrosion or if there was a perforation of the structure. Include a photograph of the affected area if possible.
5. The name of the inspector.
6. The name of the worker doing the repair.
7. Was a New Flyer service representative called? If so, who?

If you are unsure which products were used on your vehicle order, please contact the New Flyer Customer Services Dept. at:

- tel: (204) 934-4874  
fax: (204) 224-0248



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
9	Publications	Publications Details

CONTRACT DELIVERABLES PROPOSAL		PUBLICATIONS rev a. March 12, 2018	
PRIMARY CUSTOMER NAME	Jefferson Parish		
PUBLICATIONS CUSTOMER NAME	Jefferson Parish		
BID NUMBER	18-011		
SR #			
BUS MODEL	XD40		
QUANTITY	10		
CUSTOMER PROGRAM MANAGER			
ENGINE	Cummins - L9 CM2350 (2017EPA) 280 HP		
TRANSMISSION	Allison Transmission - B400 Gen5		
FUEL SYSTEM	Diesel		
STARTER	Delco - 42MT, 24 volt heavy duty cranking motor, with PLC cut-out.		
ALTERNATOR	Nishioff C803, 28 volt, 500 amp, belt driven		
BATTERIES	East Penn 8D Flooded lead acid maintainable batteries, 1400 CCA		
AIR COMPRESSOR	Wabco HD 30.4, twin cylinder, turbo aspirated.		
AIR DRYER	Haldex "Gemini MDx" Tandem air dryer (includes Multi-Treatment Cartridge) with consep oil/water separator.		
COOLING-Engine	EMP - MH4		
COOLING-Drive Unit	Rocore - B400 Integrated		
FRONT AXLE	M.A.N. - VOK-07-F GAWR 15,873 lbs., Disc brakes, Hub mount, Knorr cylinders		
REAR AXLE	M.A.N. - 4.56:1, Model HY-1350-F, GAWR 28,660. With disc brakes, hub mount, Knorr cylinder, Ferodo lining.		
ELECTRONIC BRAKE WEAR INDICATOR	N/A		
ELECTRONIC BRAKE STROKE MONITOR	N/A		
ABS	Meritor WABCO - 24V with ATC		
HVAC UNIT	TK - RLF Roof mount		
HVAC CONTROLLER	TK - Intelligaire III		
HVAC COMPRESSOR	TK - S391		
AUXILIARY HEAT	N/A		
DEFROSTER	TBD		
FLOOR HEATING	MCC		
PLC MULTIPLEX	Vansco - VMM 1615		
WINDOWS	Arow Global (Stermitile) non-Flush mounted		
ENTRANCE DOOR	Vapor - slide glide		
EXIT DOOR	Vapor - Medium slide glide		
STRUCTURE	Carbon Steel/Ferritic SST (12 year corrosion warranty)		
INTERIOR LIGHTING	New Flyer - TCB LED, 24 VDC		
VIDEO SURVEILLANCE	N/A		
DRIVERS SEAT	Recaro - Ergo AM80		
PASSENGER SEATS	American Sealing - Insight		
PASSENGER SEAT - Capacity	40		
DESTINATION SIGNS	Twin Vision - Smart Series 3 24V LED		
BIKE RACK	Provisions		
WHEELCHAIR RAMP	New Flyer - Entrance Door 32"W 1:7 slope		
KNEELING - Front	Full Front with rapid recovery		
FSS	Amerex Modular		
DIAGNOSTIC & MONITORING	New Flyer - CONNECT without DMAS		
AV/AVL SYSTEM	N/A		

**New Flyer Standard Bus Publications** This is for one XD40 Build of approx 10 Buses Only

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
Emergency Responder Guide (8.5x11 laminated paper)	10	With First Bus Delivery	N/A	Emergency information to be on board each bus
Operator's Guide (8.5x11 3-hole regular paper)	3	With First Bus Delivery	6	
Parts Manual	3	10 Business Days After First Bus Delivery	12	
Service Manual	3	10 Business Days After First Bus Delivery	6	
Bus System Drawings Manual (11x17 3-hole regular paper includes air, electr, hydraulic, cooling, PLC HVAC layouts and schematics)	3	10 Business Days After First Bus Delivery	6	
Final TIV DVD ROM	3	10 Business Days After First Bus Delivery	6	DVD Includes only NF Manuals plus * items below

**OEM Supplier Publications** This is for one XD40 Build of approx 10 Buses Only

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
<b>Cummins L9 (CM2350) 2017EPA Engine OEM Vendor Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Custom Parts Manual	3	"	N/A	
Custom Parts Manual PDF file	1	"	N/A	*
Fault Code Troubleshooting Manual (Vol 1 - 5)	3	"	N/A	
Service Manual (Vol 1 - 3)	3	"	N/A	
Operation & Maintenance Manual	3	"	N/A	
Owners Manual	3	"	N/A	
<b>ALLISON TRANSMISSION B300/400/3400XFE OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Service Manual - Gen 4/5	3	"	N/A	*
Parts Manual - Gen 4/5	3	"	N/A	*
Quick Tech Troubleshooting Guide - Gen 4/5	3	"	N/A	*
Troubleshooting Manual - Gen 5	3	"	N/A	*
Principle of Operations - Gen 5	3	"	N/A	*
Mechanics Tips - Gen 5	3	"	N/A	*
Operator's Manuals - Gen 5	3	"	N/A	*
<b>Thermo King HVAC OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Unit Operation & Maintenance Manual	3	"	N/A	
Intelligaire III Controls Diagnostic Manual	3	"	N/A	
<b>EMP Cooling System OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
MH4 Cooling System Service Manual	3	"	N/A	*
MH4 Cooling System Troubleshooting Manual	3	"	N/A	*
<b>WABCO ABS System OEM Manual (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
ABS Maintenance Manual	3	"	N/A	*
<b>Destination Sign OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Operation & Maintenance Manual	3	"	N/A	*
<b>Amerex FSS OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
FSS Operation and Maintenance Manual	3	"	N/A	*
Modular Controller Operation and Maintenance Manual	3	"	N/A	*
<b>Vansco Multiplexing System OEM Manual (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Hardware User Guides	3	"	N/A	*
Software User Guides	3	"	N/A	*

CONTRACT DELIVERABLES PROPOSAL		PUBLICATIONS rev a. March 12, 2018	
PRIMARY CUSTOMER NAME	Jefferson Parish		
PUBLICATIONS CUSTOMER NAME	Jefferson Parish		
BID NUMBER	18-011		
SR #			
BUS MODEL	XDE40		
QUANTITY	10		
CUSTOMER PROGRAM MANAGER			
ENGINE	Cummins - B6.7 CM2350 (2017EPA) 280 HP		
TRANSMISSION	BAE - HDS200 with 3G-32K (Next Gen) APS2		
FUEL SYSTEM	Diesel		
STARTER	Delco - 42MT, 24 volt heavy duty cranking motor, with PLC cut-out.		
ALTERNATOR	BAE - APS2 30kW @230 VAC		
BATTERIES	East Penn 8D Flooded lead acid maintainable batteries. 1400 CCA		
AIR COMPRESSOR	Wabco HD 30.4, twin cylinder, turbo aspirated.		
AIR DRYER	Haldex "Gemini MDx" Tandem air dryer (includes Multi-Treatment Cartridge) with consep oil/water separator.		
COOLING-Engine	EMP - MH5 with ECP Cooler		
COOLING-Drive Unit	EMP - BAE Integrated		
FRONT AXLE	M.A.N. - VOK-07-F GAWR 15,873 lbs., Disc brakes, Hub mount, Knorr cylinders		
REAR AXLE	M.A.N. - 4.56:1, Model HY-1350-F, GAWR 28,660. With disc brakes, hub mount, Knorr cylinder, Ferodo lining.		
ELECTRONIC BRAKE WEAR INDICATOR	N/A		
ELECTRONIC BRAKE STROKE MONITOR	N/A		
ABS	Meritor WABCO - 24V with ATC		
HVAC UNIT	TK - RLFE Roof mount powered by BAE		
HVAC CONTROLLER	TK - Intelligaire III		
HVAC COMPRESSOR	Electric		
AUXILIARY HEAT	N/A		
DEFROSTER	TBD		
FLOOR HEATING	MCC		
PLC MULTIPLEX	Vansco - VMM 1615		
WINDOWS	Arow Global (Stormlite) non-Flush mounted		
ENTRANCE DOOR	Vapor - slide glide		
EXIT DOOR	Vapor - Medium slide glide		
STRUCTURE	Carbon Steel/Ferritic SST (12 year corrosion warranty)		
INTERIOR LIGHTING	New Flyer - TCB LED, 24 VDC		
VIDEO SURVEILLANCE	N/A		
DRIVERS SEAT	Recaro - Ergo AM80		
PASSEGER SEATS	American Seating - Insight Prime		
PASSEGER SEAT - Capacity	40		
DESTINATION SIGNS	Twin Vision - Smart Series 3 24V LED		
BIKE RACK	Provisions		
WHEELCHAIR RAMP	New Flyer - Entrance Door 32"W 1:7 slope		
KNEELING - Front	Full Front with rapid recovery		
FSS	Amerex Modular		
DIAGNOSTIC & MONITORING	New Flyer - CONNECT without DMAS		
AV/AVL SYSTEM	N/A		

<b>New Flyer Standard Bus Publications</b>				This is for one XDE40 Build of approx 10 Buses Only	
--	--	--	--	---	--

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
Emergency Responder Guide (8.5x11 laminated paper)	10	With First Bus Delivery	N/A	Emergency information to be on board each bus
Operator's Guide (8.5x11 3-hole regular paper)	3	With First Bus Delivery	6	
Parts Manual	3	10 Business Days After First Bus Delivery	12	
Service Manual	3	10 Business Days After First Bus Delivery	6	
Bus System Drawings Manual (11x17 3-hole regular paper includes air, electr, hydraulic, cooling, PLC HVAC layouts and schematics)	3	10 Business Days After First Bus Delivery	6	
Final TIV DVD ROM	3	10 Business Days After First Bus Delivery	6	DVD Includes only NF Manuals plus * items below

<b>OEM Supplier Publications</b>				This is for one XDE40 Build of approx 10 Buses Only	
----------------------------------	--	--	--	---	--

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
Cummins B6.7 (CM2350) 2017EPA Engine OEM Vendor Manual Set (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Custom Parts Manual	3	*	N/A	
Custom Parts Manual PDF file	1	*	N/A	*
Fault Code Troubleshooting Manual (Vol 1 - 5)	3	*	N/A	
Service Manual (Vol 1 - 3)	3	*	N/A	
Operation & Maintenance Manual	3	*	N/A	
Owners Manual	3	*	N/A	
BAE HDS200 HybriDrive OEM Manual Set (includes only the following)		90 Days After Written Approval of this list or Soon After Receiving From OEM Supplier		Includes all service, maintenance, troubleshooting, parts information
HDS200 System Manual	3	*	N/A	*
Thermo King HVAC OEM Manual Set (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Unit Operation & Maintenance Manual	3	*	N/A	
Intelligaire III Controls Diagnostic Manual	3	*	N/A	
EMP Cooling System OEM Manual Set (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
MH5 Cooling System Service Manual	3	*	N/A	*
MH5 Cooling System Troubleshooting Manual	3	*	N/A	*
WABCO ABS System OEM Manual (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
ABS Maintenance Manual	3	*	N/A	*
Destination Sign OEM Manual Set (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Operation & Maintenance Manual	3	*	N/A	*
Amerex FSS OEM Manual Set (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
FSS Operation and Maintenance Manual	3	*	N/A	*
Modular Controller Operation and Maintenance Manual	3	*	N/A	*
Vansco Multiplexing System OEM Manual (includes only the following)		20 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Hardware User Guides	3	*	N/A	*
Software User Guides	3	*	N/A	*

CONTRACT DELIVERABLES PROPOSAL		PUBLICATIONS rev a. March 12, 2018	
PRIMARY CUSTOMER NAME	Jefferson Parish		
PUBLICATIONS CUSTOMER NAME	Jefferson Parish		
BID NUMBER	18-011		
SR #			
BUS MODEL	XE40		
QUANTITY	10		
CUSTOMER PROGRAM MANAGER			
PROPULSION SYSTEM	Siemens - E-Drive All Electric Propulsion System includes . PEM 1DB2016, 160 KW Traction Drive Motor, Inverters, E-drive Controls and related components		
HIGH VOLTAGE SYSTEM CHARGING	Siemens - Onroute DC Charge Bars and Depot Charging Station		
PROPULSION SYSTEM BATTERIES	XALT Energy - 480kw total capacity		
ALTERNATOR	Vanner - EBA500 High Voltage DC-DC converter		
BATTERIES	East Penn 8D Flooded lead acid maintainable batteries. 1450 CCA		
POWER STEERING	Sheppard - M110, Luk Hyd pump powered by 24V Parker Motor		
AIR COMPRESSOR	Powerex Scroll - Electric Air Compressor		
AIR DRYER	Haldex "Gemini MDx" Tandem air dryer (includes Multi-Treatment Cartridge) with consep oil/water separator.		
COOLING-Engine	EMP - MHS with ECP Cooler		
COOLING-Drive Unit	EMP - coolant type radiator for Traction motor and inverters		
FRONT AXLE	M.A.N. - VOK-07-F GAWR 15,873 lbs., Disc brakes, Hub mount, Knorr cylinders		
REAR AXLE	M.A.N. - 5.67:1. Model HY-1350-F. GAWR 28,660. With disc brakes, hub mount, Knorr cylinder, Ferodo lining.		
ELECTRONIC BRAKE WEAR INDICATOR	N/A		
ELECTRONIC BRAKE STROKE MONITOR	N/A		
ABS	Meritor WABCO - 24V with ATC		
HVAC UNIT	TK - TE15 Rear Mount all electric		
HVAC CONTROLLER	TK - Intelligaire III		
HVAC COMPRESSOR	TK - electric		
CABIN HEAT	Spheros - DC200 Electric Heater		
AUXILIARY HEAT	N/A		
DEFROSTER	TBD		
FLOOR HEATING	MCC		
PLC MULTIPLEX	Vansco - VMM 1615		
WINDOWS	Arrow Global (Stormilo) non-Flush mounted		
ENTRANCE DOOR	Vapor - slide glide Electric		
EXIT DOOR	Vapor - Medium slide glide Electric		
STRUCTURE	Carbon Steel/Ferritic SST (12 year corrosion warranty)		
INTERIOR LIGHTING	New Flyer - TCB LED, 24 VDC		
VIDEO SURVEILLANCE	N/A		
DRIVERS SEAT	Recaro - Ergo AM80		
PASSEGER SEATS	American Seating - Insight Prime		
PASSEGER SEAT - Capacity	40		
DESTINATION SIGNS	Twin Vision - Smart Series 3 24V LED		
BIKE RACK	Provisions		
WHEELCHAIR RAMP	New Flyer - Entrance Door 32"W 1:7 slope		
KNEELING - Front	Full Front with rapid recovery		
FSS	Amerex Modular		
DIAGNOSTIC & MONITORING	New Flyer - CONNECT without DMAS		
AV/AVL SYSTEM	N/A		

This is for one XDE40 Build of approx 10 Buses Only

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
Emergency Responder Guide (8.5x11 laminated paper)	10	With First Bus Delivery	N/A	Emergency information to be on board each bus
Operator's Guide (8.5x11 3-hole regular paper)	3	With First Bus Delivery	6	
Parts Manual	3	10 Business Days After First Bus Delivery	12	
Service Manual	3	10 Business Days After First Bus Delivery	6	
Bus System Drawings Manual (11x17 3-hole regular paper includes air, electr, hydraulic, cooling, PLC HVAC layouts and schematics)	3	10 Business Days After First Bus Delivery	6	
Final TIV DVD ROM	3	10 Business Days After First Bus Delivery	6	DVD Includes only NF Manuals plus * items below

This is for one XDE40 Build of approx 10 Buses Only

DESCRIPTION	QTY	CUSTOMER DELIVERY	UPDATES (years)	COMMENTS
<b>Siemens E-Drive Propulsion System OEM Vendor Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		*
Siemens E-Drive Propulsion System Maintenance, Service, Parts, Operation, Troubleshooting and associated Schematics	3	-	N/A	includes PEM Traction Drive Motors, Inverters, E-drive Controls, and related components
<b>Siemens Onroute Charger OEM Vendor Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		*
Siemens Onroute Charger System User Manual	3	-	N/A	
<b>Siemens Depot Charger OEM Vendor Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		*
Depot Charger System User Manual	3	-	N/A	
<b>XALT Energy ESS OEM Vendor Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
XALT Energy Storage System User Guide	3	-	N/A	*
<b>Vanner EBA500 OEM Manual (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
EBA500 High Voltage DC-DC converter Owners Guide	3	-	N/A	*
<b>Thermo King HVAC OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Unit Operation & Maintenance Manual	3	-	N/A	
Intelligaire III Controls Diagnostic Manual	3	-	N/A	
<b>Spheros Cabin Heater OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
DC200 Workshop Manual	3	-	N/A	*
<b>EMP Cooling System OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
EMP Traction Motor and Inverter Cooler Service Manual	3	-	N/A	*
<b>WABCO ABS System OEM Manual (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
ABS Maintenance Manual	3	-	N/A	*
<b>Destination Sign OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Operation & Maintenance Manual	3	-	N/A	*
<b>Amerex FSS OEM Manual Set (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
FSS Operation and Maintenance Manual	3	-	N/A	*
Modular Controller Operation and Maintenance Manual	3	-	N/A	*
<b>Vansco Multiplexing System OEM Manual (includes only the following)</b>		10 Business Days After First Bus Delivery or Soon After Receiving From OEM Supplier		
Hardware User Guides	3	-	N/A	*
Software User Guides	3	-	N/A	*



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
10	Training	List of recommended Training (Training is not part of the base bus price)



CONTRACT DELIVERABLES LIST		CUSTOMER TRAINING	
CUSTOMER NAME	Jefferson Parish		
BID/OPTION/SR NUMBER	18-011		
BUS MODEL	XDE40		
QUANTITY			
ENGINE	Cummins ISL		
ALTERNATOR	BAE		
RADIATOR	EMP WH5		
HYBRID TRANSMISSION	BAE AP51		
AXLES	MAN VOK-07 Front, HY1350 Rear, disc brakes		
ABS	Meritor Wabco		
AIR CONDITIONING	Thermo King TE-15, Intelligaire III, R407c		
AUXILIARY HEAT	Spheros		
PLC	Vansco		
DESTINATION SIGNS	Luminator/Twin Vision/Axion		
OTHER			
OTHER			
Property Contact for Training Scheduling:			
Contact Name:			
Address:			
City:			
State / Province:			
Zip / Postal Code:			
Phone:			
Facsimile:			
Email Address:			

**NOTE: TRAINING MAY BE SUBJECT TO CHANGE AND COST MAY DIFFER ONCE ACTUAL VEHICLE SPECIFIC EQUIPMENT SELECTED, REQUOTE MAY BE REQUIRED**

New Flyer Supplied Training		OEM/Subcontractor Supplied Training						
DESCRIPTION	QTY HRS.	CUSTOMER DELIVERY	SPECIFICATION	COMMENTS	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
Operator Orientation	4				USD	\$986.85	Recommended	Y
Maintenance Orientation	4				USD	\$986.85	Recommended	Y
Multiplex System	24				USD	\$5,921.10	Recommended	Y
Entrance & Exit Doors	4				USD	\$986.85	Recommended	Y
Wheelchair Ramp	4				USD	\$986.85	Recommended	Y
Brake Systems and Axles	16				USD	\$3,947.40	Recommended	Y
Air System and ABS	8				USD	\$1,973.70	Recommended	Y
Suspension and Steering	4				USD	\$986.85	Recommended	Y
Electric Fan Drive	4				USD	\$986.85	Recommended	Y
Coolant Loop Fill Procedure	4				USD	\$986.85	Recommended	Y
<b>OEM/Subcontractor Supplied Training</b>								
DESCRIPTION	QTY HRS.	CUSTOMER DELIVERY	SPECIFICATION	COMMENTS	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
Engine Maintenance	16			provided by OEM	USD	\$11,880.00	Recommended	Y
Hybrid Transmission Maintenance	16			provided by OEM	USD	\$11,880.00	Recommended	Y
HVAC Maintenance	8			provided by OEM	USD	\$2,700.00	Recommended	Y

CONTRACT DELIVERABLES LIST		CUSTOMER TRAINING	
CUSTOMER NAME	Jefferson Parish		
BID/OPTION/SR NUMBER	18-011		
TECHNICAL SUMMARY			
BUS MODEL	XE40		
QUANTITY			
PROPULSION	Siemens		
ALTERNATOR	Vanner EBA		
ENERGY STORAGE SYSTEM	XALT Energy		
DEPOT CHARGER	Siemens		
ESS RADIATOR	EMP		
	AXLES IMAN VOK07 Frt. HY1350 Rear		
	ABS Meritor Wabco		
AIR CONDITIONING	Thermo King TE15, Intelligaine III, R407c		
CABIN HEATER	Spheros Electric		
	PLC Vansco		
DESTINATION SIGNS			
FIRE SUPPRESSION	Amerex Modular		

**NOTE: MAY NEED TO BE REVISED OR RE-QUOTED BASED ON FINAL SELECTION OF VEHICLE SPECIFIC COMPONENTS**

New Flyer Supplied Training		QTY HRS.	CUSTOMER DELIVERY	SPECIFICATION	COMMENTS	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N
Operator Orientation		4				USD	\$986.85	Recommended	Y
Maintenance Orientation		4				USD	\$986.85	Recommended	Y
Multiplex System		32				USD	\$7,894.80	Recommended	Y
Entrance & Exit Doors		4				USD	\$1,034.10	Recommended	Y
Wheelchair Ramp		4				USD	\$986.85	Recommended	Y
Brake Systems and Axles		16				USD	\$3,947.40	Recommended	Y
Air System and ABS		8				USD	\$1,973.70	Recommended	Y
Front and Rear Suspension and Steering		4				USD	\$986.85	Recommended	Y
Body and Structure		4				USD	\$986.85	Recommended	Y
Towing and Recovery		4				USD	\$986.85	Recommended	Y
OEM/Subcontractor Supplied Training									
DESCRIPTION	QTY HRS.	CUSTOMER DELIVERY	SPECIFICATION	COMMENTS	CURRENCY	SELLING PRICE	REQUIREMENT	BILLABLE: Y/N	
Propulsion & ESS Familiarization/HV Safety	24				USD	\$17,820.00	Recommended	Y	
Propulsion & ESS System Troubleshooting	16				USD	\$11,880.00	Recommended	Y	
Depot Charger Familiarization & Troubleshooting	16				USD	\$10,800.00	Recommended	Y	
HVAC Familiarization/Troubleshooting	16				USD	\$5,400.00	Recommended	Y	



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
11	Certificate of Insurance	Certificate of Insurance

**Ref. No. USNF962-1718**

**CERTIFICATE OF INSURANCE**

Aon Reed Stenhouse Inc.  
20 Bay Street  
Toronto, ON M5J 2N9  
Tel 416-868-5500 Fax 416-868-5580

**Re:** Bid Number 50 - 00121992  
LABOR, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH  
AND DELIVER TEN (10) 35' AND /OR 40' HEAVY DUTY TRANSIT  
BUSES WITH AN OPTION TO PURCHASE UP TO AN ADDITIONAL  
THIRTY (30) WITHIN FIVE (5) YEARS

**Jefferson Parish Purchasing Department**  
200 Derbigny Street, General Government Building, Suite 4400  
Gretna, LA 70053

Insurance as described herein has been arranged on behalf of the Insured named herein under the following policy(ies) and as more fully described by the terms, conditions, exclusions and provisions contained in the said policy(ies) and any endorsements attached thereto.

**Insured**

New Flyer Industries Inc.  
711 Kernaghan Avenue  
Winnipeg MB R2C 3T4

**Coverage**

<b>Commercial General Liability</b>	<b>Insurer</b>	Zurich American Insurance Company	
<b>Policy #</b>	GLO0206115-00		
<b>Effective</b>	01-Oct-2017	<b>Expiry</b>	01-Oct-2018
<b>Limits of Liability</b>	Bodily Injury & Property Damage, Each Occurrence \$1,000,000USD Policy may be subject to a general aggregate and other aggregates where applicable		
<b>U.S. Automobile</b>	<b>Insurer</b>	Zurich American Insurance Company	
<b>Policy #</b>	BAP 9259162 11		
<b>Effective</b>	01-Oct-2017	<b>Expiry</b>	01-Oct-2018
<b>Limits of Liability</b>	Liability \$1,000,000 USD		
<b>US Workers Comp/Employers Liability</b>	<b>Insurer</b>	Zurich American Insurance Company	
<b>Policy #</b>	WC 9303185 16		
<b>Effective</b>	01-Oct-2017	<b>Expiry</b>	01-Oct-2018
<b>Limits of Liability</b>	Bodily Injury – by Accident \$1,000,000 USD Bodily Injury – by Disease, policy limit \$1,000,000 USD Bodily Injury – by Disease, each employee \$1,000,000 USD Workers Compensation As per applicable Law		

**Additional Insured**

Only with respect to the above and arising out of the Named Insured's operations are the following name(s) added to the policy as Additional Insured(s). The policy limits are not increased by the addition of such Additional Insured(s) and remain as stated in this Certificate.

Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council where required by written contract or written agreement with respect to Commercial General Liability

Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council is included as additional insured in accordance with the policy provisions of the U.S. Automobile policy as required by written contract.

**THIS POLICY CONTAINS A CLAUSE(S) WHICH MAY LIMIT THE AMOUNT PAYABLE  
OR, IN THE CASE OF AUTOMOBILE INSURANCE,  
THE POLICY CONTAINS A PARTIAL PAYMENT OF LOSS CLAUSE**



**Ref. No. USNF962-1718**

**CERTIFICATE OF INSURANCE**

**Terms and / or Additional Coverage**

Where applicable to U.S. admitted policies listed on this Certificate, the Producer/Broker of Record is:  
Aon Risk Services Central, Inc.  
Minneapolis MN Office  
5600 West 83rd Street  
8200 Tower, Suite 1100  
Minneapolis, MN 55437 USA

THIS CERTIFICATE CONSTITUTES A STATEMENT OF THE FACTS AS OF THE DATE OF ISSUANCE AND ARE SO REPRESENTED AND WARRANTED ONLY TO CERTIFICATE HOLDER; OTHER PERSONS RELYING ON THIS MEMORANDUM DO SO AT THEIR OWN RISK.

**Aon Reed Stenhouse Inc.**

*Andrea R. Ott*

---

Dated: 12-February-2018  
Issued By: Smith, Craig  
Tel: 416-868-5786

**THIS POLICY CONTAINS A CLAUSE(S) WHICH MAY LIMIT THE AMOUNT PAYABLE  
OR, IN THE CASE OF AUTOMOBILE INSURANCE,  
THE POLICY CONTAINS A PARTIAL PAYMENT OF LOSS CLAUSE**

**AON**



NEW FLYER OF AMERICA

**The City of Jefferson Parish**

Bid number 50-00121992

Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
12	Engine Certification	Engine Certification (Cummins ISL 280HP)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
2018 MODEL YEAR  
CERTIFICATE OF CONFORMITY  
WITH THE CLEAN AIR ACT

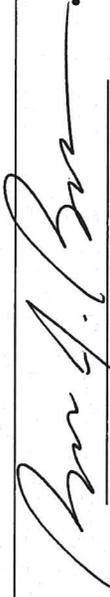
OFFICE OF TRANSPORTATION  
AND AIR QUALITY  
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: **Cummins Inc.**  
(U.S. Manufacturer or Importer)

Certificate Number: **JCEXH0540LAT-015**

Effective Date:  
12/15/2017

Expiration Date:  
12/31/2018

  
Byron J. Bunker, Division Director  
Compliance Division

Issue Date:  
12/15/2017

Revision Date:  
N/A

Model Year: 2018

Manufacturer Type: Original Engine Manufacturer

Engine Family: JCEXH0540LAT

Intended Service Class: Heavy Heavy-Duty Diesel

Fuel Type: Diesel

FELs (g/hp-hr):

NOx: 0.20

Intended Engine Application: Vocational

Primary Test Configuration Transient Duty Cycle:

CO2 FCL value (g/hp-hr): 555

CO2 FEL value (g/hp-hr): 572

N2O FEL value (g/hp-hr): 0.12

CH4 FEL value (g/hp-hr): 0.10

Primary Test Configuration Steady-State Duty Cycle:

CO2 FEL value (g/hp-hr): null

Pursuant to Section 206 of the Clean Air Act (42 U.S.C. section 7525), 40 CFR Parts 86 and 1036, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which represent the engine family, and is subject to the terms and conditions prescribed in those provisions.

This certificate of conformity covers only those new motor vehicle engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Parts 86 and 1036 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Parts 86 and 1036.

This certificate of conformity is conditional upon compliance of said manufacturer with the averaging, banking and trading provisions of 40 CFR Parts 86 and 1036. Failure to comply with these provisions may render this certificate void *ab initio*.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR Parts 86 and 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Parts 86 and 1036. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Parts 86 and 1036.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction into commerce in the U.S. prior to the effective date of the certificate.



**The City of Jefferson Parish**  
Bid number 50-00121992  
Manufacture, Supply and Delivery of Ten (10) 35' and/or 40' Heavy Duty  
Transit Buses with Additional Options for  
Thirty (30) within 5 years.

**Proposal Requirements**

Section Tab	Title	Bid Submission Requirements
13	Bid Surety Bond	Bond document



# AIA Document A310™ – 2010

MNR 215389-18-01

## Bid Bond

### CONTRACTOR:

*(Name, legal status and address)*

NEW FLYER OF AMERICA INC.  
711 Kernaghan Avenue  
Winnipeg, Manitoba, MB R2C 3T4

### SURETY:

*(Name, legal status and principal place of business)*

WESTCHESTER FIRE INSURANCE COMPANY  
436 Walnut Street, WA10H  
Philadelphia, PA 19106

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

### OWNER:

*(Name, legal status and address)*

JEFFERSON PARISH  
General Government Building, Suite 4400  
200 Derbigny Street, Gretna, LA 70053

**BOND AMOUNT:** Five percent of amount bid.  
(5% of Amount Bid)

### PROJECT:

*(Name, location or address, and Project number, if any)*

Bid Number 50 - 00121992  
FURNISH AND DELIVER TEN (10) 35' AND /OR 40' HEAVY DUTY TRANSIT BUSES  
WITH AN OPTION TO PURCHASE UP TO AN ADDITIONAL THIRTY (30) WITHIN FIVE (5) YEARS

Project Number, if any:

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 15th day of March, 2018

*(Witness)*

*(Witness)*

NEW FLYER OF AMERICA INC.

*(Principal)*

*(Seal)*

*(Title)*

WESTCHESTER FIRE INSURANCE COMPANY

*(Surety)*

*(Seal)*

*(Title)*

Margaret Weglicka, Attorney in Fact

# Power of Attorney

## WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments
- (4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested

Does hereby nominate, constitute and appoint Anne Marie Sheehan, Cheryl Lynn Holmes, Courtney Lim, Janice Takeuchi, Latasha Rouse, Margaret Weglicka, all of the City of TORONTO, Ontario, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Ten million dollars & zero cents (\$10,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 5 day of January 2017.

WESTCHESTER FIRE INSURANCE COMPANY

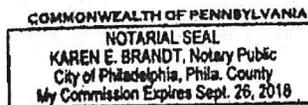


*Stephen M Haney*  
Stephen M Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA ss.

On this 5 day of January, AD. 2017 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



*Karen E Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 15<sup>th</sup> day of March, 2018.



*William L. Kelly*  
William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER January 05, 2019.

