State of Maine

Master Agreement

Effective Date: 07/27/19
Expiration Date: 07/27/24

Master Agreement Description: Small Cutaway Accessible Bus

Buyer Information
Donny Crockett 207-624-7336 ext. Donny.Crockett@maine.gov

Issuer Information
KELLY ARATA 207-624-3559 ext. kelly.arata@maine.gov

Requestor Information
Kelly Arata 207-624-3559 ext. kelly.arata@maine.gov

Authorized Departments
17A TRANSPORTATION
17D MOTOR TRANSPORT

Vendor Information

Vendor ID: VS0000022340
Vendor Name: Matthews Bus Alliance, Inc.
Alias/DBA: Matthews Buses Commercial

Vendor Address Information
P.O. Box 841
Greenville, RI 02828
US

Vendor Contact Information
Dean Capparelle
401-500-5634 ext.
dcapparelle@matthewsbusescommercial.com
**Commodity Information**

**Vendor Name:** Matthews Bus Alliance, Inc.

**Commodity Line #:** 1

**Commodity Code:** 55600

**Commodity Description:** Small Cutaway Accessible Bus-12 Passenger+ 2 Ambulatory

**Commodity Specifications:** As per the specifications attached made part of this Master Agreement

**Commodity Extended Description:** Small Cutaway Accessible Bus-Twelve Ambulatory Passengers and Two Wheelchair

<table>
<thead>
<tr>
<th>Quantity</th>
<th>UOM</th>
<th>Unit Price</th>
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</thead>
<tbody>
<tr>
<td>0.00000</td>
<td>Free on Board</td>
<td>$0.00</td>
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<table>
<thead>
<tr>
<th>Delivery Days</th>
<th>Service Start Date</th>
<th>Service End Date</th>
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<tbody>
<tr>
<td>120</td>
<td>07/27/19</td>
<td>07/27/24</td>
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<thead>
<tr>
<th>Catalog Name</th>
<th>Discount</th>
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Agreement to Purchase Services

THIS AGREEMENT, made this 9th day of July, 2019, is by and between the State of Maine, Department of Transportation, hereinafter called “Department or MaineDOT,” and Matthews Bus Alliance Inc., located at 4802 West Colonial Drive Orlando, FL 32808, telephone number 1-800-330-1175, hereinafter called “Provider”, hereinafter the “Parties”, for the period of Start Date July 27, 2019 End Date July 27, 2024.

The AdvantageME Vendor/Customer number of the Provider is VS0000022340.

WITNESSETH, that for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Department, the Provider hereby agrees with the Department to furnish all qualified personnel, facilities, materials and services and in consultation with the Department, to perform the services, study or projects described in Rider A, on schedule and under the terms of this Agreement. The following riders are hereby incorporated into this Agreement and made part of it by reference:

Rider A – Technical Specifications of Work to be Performed
Rider B – Terms and Conditions
Rider C – RFQ Document
Rider D – Provider Signed Certifications
Rider E – Identification of Country in Which Contracted Work will be Performed

IN WITNESS WHEREOF, the Department and the Provider, by their representatives duly authorized, have executed this agreement in one original copy.

Provider: Douglas K. Gifford / Commercial Sales Manager
Date: 7/9/2019

Base Price Per Unit Amount: $69,646.00
RIDER A
SPECIFICATIONS OF WORK TO BE PERFORMED

TECHNICAL SPECIFICATIONS

SMALL CUTAWAY ACCESSIBLE BUSES FOR 12 AMBULATORY PASSENGERS AND TWO WHEELCHAIR SECUREMENT POSITIONS

GENERAL

1. Purpose
The following specifications are for an estimated 45 small, current model cutaway buses. Buses must be current model compliant with all ADA regulations. Buses shall be equipped with a curbside rear wheelchair lift. The floor plans provided in this appendix specify the buses will be configured for twelve (12) ambulatory passengers plus two (2) wheelchair positions. The desired seating plan is described under Section 2, Seating 27.0. These vehicles will be used to provide transportation services for low income, elderly and/or disabled passengers, children and general transportation.

1.1 Intent
Vehicle construction must be substantial and durable in all respects congruent to practices acceptable to body and chassis manufacturers. Provider must hold “FULLY MEETS” level of compliance with the "Transit Bus Quality Program" of the chassis manufacturer. The Provider must ensure the bus body manufacturer is ISO 9001:2000 certified and must, upon MaineDOT’s request, provide the supporting documentation as evidence of same.

1.2 Requirements
The chassis must be the heaviest duty available equipped with all possible options to make it a heavy-duty vehicle and when applicable be Altoona Tested minimum as a 5 Year, 150,000 mile vehicle.

1.3. Completeness
a) Any part or detail that makes the vehicle complete and ready for service shall not be omitted, even though such part or detail is not mentioned in these specifications.

b) The price of the vehicle includes all items of labor, materials, tools, equipment and other costs necessary to fully complete the manufacture and delivery of the vehicle pursuant to these specifications.

1.4. Conformity
All units or parts not specified shall be manufacturer's best quality and shall conform in materials, design, and workmanship to the best practice known in the automobile industry. All parts shall be new and in no case will used, reconditioned, or obsolete parts be accepted. The parts on all vehicles provided by the same manufacturer shall be interchangeable.

1.5. Materials
All materials used in the construction of the vehicle shall conform in all respects to American Society of Testing Materials, Society of Automotive Engineers, or similar association standards.

1.6. Warranty and Maintenance
The Provider must provide the manufacturer's warranty for the basic vehicle, for the lift, rust proofing, and any and all vehicle/equipment modifications.

The Provider must be able to provide warranty and maintenance service for the vehicle and the modifications in a 75-mile...
radius in which the vehicles are to be used. The Provider will execute an agreement for maintenance and warranty services with a certified maintenance facility located within these areas. The Provider will provide or ensure access to spare or replacement parts.

1.7. Pre & Post-Delivery Inspections and Pre-Delivery Inspection:

Pre-Manufacturing Meeting:
The Provider will attend a pre-manufacturing meeting that will be held in Maine, the purpose of this meeting shall be to review the specifications, approve equals proposed in the bid, and the Provider’s build order. Those in attendance may include, but are not limited to, representatives from the Department, Provider, and factory representatives (if Provider so chooses).

Pre-Delivery Inspection:
A factory pre-delivery inspection will be conducted after vehicles are 80% completed and before vehicles are delivered. Inspection will be completed by MaineDOT representatives or their designated representatives.

MaineDOT inspectors shall number up to three (3). The cost of the inspection, including round trip airfare and lodging for a period of up to three (3) days, two (2) nights, depending on number of vehicles to be inspected shall be invoiced as quoted.

MaineDOT reserves the right, at no cost to the bidder, to send inspectors to the factory at any time during the manufacturing of these vehicles.

Post-Delivery Inspections:
Upon delivery of each vehicle at MaineDOT’s desired location (Fleet Services, 66 Industrial Dr., Augusta, Maine), MaineDOT representatives and, when applicable, the end user agency will perform a post-delivery inspection. If the vehicle does not pass the inspection, MaineDOT will create a letter of non-acceptance with details of the deficiencies. The Provider will have up to 30 days from receiving the report to complete the necessary repairs to meet a final acceptance. The damages will resume when the Provider 30 day repair period has passed. Upon MaineDOT representative acceptance of each unit, it will be the responsibility of the provider to deliver each unit to the respective end user agencies.

Pricing for subsequent model years will be based on current Product Price Index at time of order. Additionally, agency will incur any chassis increases resulting from federally mandated changes.

1.8. BASE PRICE CALCULATION PRODUCER PRICE INDEX ESCALATOR

Buses shall be provided at the prices quoted. These prices shall remain firm/fixed for any orders issued by the Department within two (2) years of contract award. The price(s) of any bus(es) ordered by the Department after the initial two (2) year term shall be shall be the price quoted (Base Order Prices) plus/minus any change 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, “Trucks and Bus Bodies”. The change in this index will be used to adjust the Base Order Prices, however, in no event will the adjusted price(s) exceed the Base Order Price by more than five percent (5%) over the remaining three (3) years of the contract.

Define the mechanics of price adjustment.

Simple Percentage Method.
One method of price adjustment is to have the base price changed by the same percentage as the percent change in a selected PPI. To illustrate, suppose that a contract escalation clause called for using the intermediate demand PPI titled Materials and components for manufacturing, not seasonally adjusted. Also suppose that the value of this index was 178.4 for December 2010, the month that corresponds with the base price for escalation, $1,000 per unit. Twelve months later, when December 2011 data were released, and the first stipulated price adjustment was to be made, the index value for December 2011, published mid-January 2012, was 187.7. The percent change represents an increase of 5.2 percent in the index for Materials and components for manufacturing and a $52 per unit increase in the price for the escalated product. (See below.)

Index at time of calculation, December 2011: .............................. 187.7
Divided by index at time base price was set, December 2010: .... 178.4
### 2. Vehicle Specifications:

<table>
<thead>
<tr>
<th>2.0 DIMENSIONS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 Wheelbase - 176&quot; minimum</td>
<td>X</td>
<td>176</td>
<td></td>
</tr>
<tr>
<td>2.2 Overall Height - 115&quot; maximum excluding A/C</td>
<td>X</td>
<td>115</td>
<td></td>
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<tr>
<td>2.3 Overall Length - 280&quot; minimum</td>
<td>X</td>
<td>305</td>
<td></td>
</tr>
<tr>
<td>2.4 Interior Length - 190&quot; minimum, from behind driver to rear wall</td>
<td>X</td>
<td>201</td>
<td></td>
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<tr>
<td>2.5 Exterior Width - 96&quot; maximum excluding mirrors</td>
<td>X</td>
<td>96</td>
<td></td>
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<tr>
<td>2.6 Interior Width - 90&quot; minimum (at the floor line)</td>
<td>X</td>
<td>92</td>
<td></td>
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<tr>
<td>2.7 Interior Height @ Center aisle - 76&quot; minimum</td>
<td>X</td>
<td>79</td>
<td></td>
</tr>
<tr>
<td>2.8 Entrance Door (Clear Opening) - 40&quot; width, 75&quot; height</td>
<td>X</td>
<td>40</td>
<td>AE</td>
</tr>
<tr>
<td>2.9 First Step - 11.5&quot; maximum ground to first step</td>
<td>X</td>
<td>11.5</td>
<td>AE</td>
</tr>
<tr>
<td>2.10 Step Tread Depth - 9&quot; minimum</td>
<td>X</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>2.11 Step Riser Height - 9&quot; maximum, step width 40&quot; minimum</td>
<td>X</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>2.12 GVWR - 14,000 lbs. minimum</td>
<td>X</td>
<td>14,500</td>
<td></td>
</tr>
<tr>
<td>2.13 Knee Room - 28&quot; minimum, hip to knee</td>
<td>X</td>
<td>34</td>
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</table>
### 3.0 CHASSIS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
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<tbody>
<tr>
<td>3.1</td>
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<tr>
<td>Chassis</td>
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<tr>
<td>Chassis shall be a current model year, dual rear wheel commercial cutaway chassis. Vehicle must meet current Federal and State emission standards.</td>
<td>X</td>
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</tbody>
</table>

### 4.0 POWER PLANT

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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<tbody>
<tr>
<td>4.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine shall be a Gas V8 or V10 with spin-on throw away type oil filter and a disposable dry air cleaner.</td>
<td>X</td>
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<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
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<tbody>
<tr>
<td>4.2</td>
<td></td>
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<tr>
<td>Engine</td>
<td></td>
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<tr>
<td>Engine compartment shall be insulated from the passenger compartment to absolutely minimize coach interior noise level, heat and fumes. Engine cover shall be insulated to reduce interior noise to below 78 decibels.</td>
<td>X</td>
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<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
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<tr>
<td>4.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td></td>
<td></td>
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<tr>
<td>Engine shall be equipped with engine oil cooler and an OEM engine block heater.</td>
<td>X</td>
<td></td>
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<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
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<tbody>
<tr>
<td>4.4</td>
<td></td>
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</tr>
<tr>
<td>Transmission</td>
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<tr>
<td>Transmission shall be an electronic 5-speed with overdrive, and shall be removable without disturbing engine drive. An auxiliary transmission oil cooler shall be installed in front of the radiator as an OEM option (Heavy Duty Service Package).</td>
<td>X</td>
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### 5.0 COOLING SYSTEM

<table>
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<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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<tbody>
<tr>
<td>5.1</td>
<td></td>
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<tr>
<td>Cooling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling system shall incorporate an overflow tank as well as radiator fan equipped with viscous fan clutch. System shall be protected to -35 degree Fahrenheit, utilizing extended life coolant. Antifreeze coolant strength shall be checked and labeled on the coolant reservoir.</td>
<td>X</td>
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<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
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<tbody>
<tr>
<td>5.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coolant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All coolant lines are to be secured and protected from sharp edges, by running a large heater hose over existing heater hoses for protection.</td>
<td>X</td>
<td>AE</td>
</tr>
</tbody>
</table>

### 6.0 FUEL SYSTEM

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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<tbody>
<tr>
<td>6.1</td>
<td></td>
<td></td>
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<tr>
<td>Fuel tank</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel tank shall be a minimum (55) gallon</td>
<td>X</td>
<td></td>
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</table>
capacity, internally baffled to prevent surging. Tank shall be mounted inside frame rails.

<table>
<thead>
<tr>
<th>7.0 EXHAUST SYSTEM</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>7.1</td>
<td>There shall be an OEM heat shield installed on the fuel tank.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>7.2</td>
<td>Exhaust tail pipe shall extend to the rear, street side/left of the vehicle beyond body side panel and shall be constructed using exhaust tubing with a tapered cut on bottom side of pipe. Exhaust hangers shall be spaced 30” on center and 10 inches from the tip this is in reference to the bus manufacturer modified exhaust.</td>
<td>X</td>
<td></td>
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<table>
<thead>
<tr>
<th>8.0 FRONT AXLE</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.1</td>
<td>Heaviest axle available with gas pressurized shock absorbers.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>8.2</td>
<td>Front suspension shall be equipped with anti-sway bar.</td>
<td>X</td>
<td></td>
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<table>
<thead>
<tr>
<th>9.0 REAR AXLE AND FINAL DRIVE</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1</td>
<td>Rear axle capacity shall be supplied by manufacturer and matched to vehicle chassis specifications previously described at 176” wheelbase and 14,000 minimum GVWR).</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>9.2</td>
<td>A Mor/Ryde or approved equal, suspension system shall be installed that improves ride quality, and reduced road shock.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>9.3</td>
<td>Rear axle ratio shall be determined by the manufacturer and based on type of service, geographical area, and additional economic factors recommended. (Preferred ratio 4.56)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>9.4</td>
<td>Rear heavy duty gas pressurized shock absorbers.</td>
<td>X</td>
<td></td>
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<thead>
<tr>
<th>10.0 PROPELLER SHAFT/DRIVE LINE</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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</thead>
</table>
10.1 Drive shaft shall be heavy duty type with needle bearing universal joints, or equivalent.  
10.2 Drive shaft guards shall be installed to prevent it from striking floor of bus or ground, in the event of tube or universal joint failure.  
10.3 Drive shaft guards need to be removable (bolted on type only, not welded).  

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<tr>
<th></th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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<tbody>
<tr>
<td>11.0 STEERING</td>
<td></td>
<td></td>
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<tr>
<td>11.1</td>
<td>Power Steering is required.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>11.2</td>
<td>Steering mechanism shall be self-centering requiring little or no effort to bring vehicle back to straight-ahead after turning.</td>
<td>X</td>
<td></td>
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<tr>
<td>11.3</td>
<td>Steering wheel shall offer a tilt feature to adjust to individual drivers.</td>
<td>X</td>
<td></td>
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<tr>
<td>11.4</td>
<td>Cruise control shall be provided.</td>
<td>X</td>
<td></td>
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<tr>
<td>11.5</td>
<td>Vehicle front-end alignment is required and a printed copy of the alignment result shall be provided with vehicle packet.</td>
<td>X</td>
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<th>Abbreviation</th>
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<tbody>
<tr>
<td>12.0 BRAKES</td>
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<tr>
<td>12.1</td>
<td>Service brakes shall be dual hydraulic, power assist, disc front and rear.</td>
<td>X</td>
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<tr>
<td>12.2</td>
<td>Front and rear brakes shall offer “Anti-lock” feature.</td>
<td>X</td>
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<tr>
<td>12.3</td>
<td>OEM upgrade to heavy duty brakes and system would be preferred. If available, offer as option.</td>
<td>X</td>
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<tr>
<td>12.4</td>
<td>Braking system shall be adequate for the GVWR of the bid vehicle.</td>
<td>X</td>
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<th></th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
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<tbody>
<tr>
<td>13.0 WHEELS</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>13.1</td>
<td>Vehicle shall be equipped with six (6) heavy, OEM ventilated pressed steel</td>
<td>X</td>
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</table>
wheels, 16.0” diameter and 6” width, single front and dual rear. All wheels to be interchangeable. All wheels to be painted white.

<table>
<thead>
<tr>
<th>14.0 TIRES</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>LT225/75/16 Load Range E minimum. Total of six (6) all season radial tires with mud and snow designation. All tires and wheels to be spin balanced and aligned. A spare tire shall be provided that matches all other vehicle tires and shall be mounted on wheel, balanced and painted to match other wheels and shipped loose in bus.</td>
<td>X</td>
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<tr>
<td>14.2</td>
<td>Lead wheel weights will not be accepted. Steel weights or less toxic wheel weight alternatives shall be supplied.</td>
<td>X</td>
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<thead>
<tr>
<th>15.0 BUMPERS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1</td>
<td>Vehicle shall be provided with manufacturer’s standard front bumper with rear energy absorption type bumper, Romeo Rim Energy Absorbing Bumper System or approved equal.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>15.2</td>
<td>Bumpers shall be fastened directly to the chassis frame to allow shock from impact to be transmitted directly to chassis frame.</td>
<td>X</td>
<td></td>
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<tr>
<td>15.3</td>
<td>Rear bumper shall incorporate anti-ride device to prevent standing on rear bumper and shall be integral to bus body.</td>
<td>X</td>
<td></td>
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<tr>
<td>15.4</td>
<td>Rear bumper safety sensor systems, OEM installed sensor if available from the chassis manufacturer.</td>
<td>X</td>
<td></td>
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<thead>
<tr>
<th>16.0 ELECTRICAL SYSTEMS AND COMPONENTS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.1</td>
<td>The electrical system shall comply with all applicable FMVSS and shall conform also to all applicable SAE recommended standards and practices. All electrical and electronic components shall be selected to minimize electrical loads thereby not exceeding the generating capacity of the</td>
<td>X</td>
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</tbody>
</table>
### 16.2 The electrical system components and wiring shall be readily accessible through access panels for checking and for maintenance. All switches, indicators and controls shall be located and installed in a professional manner that facilitates easy removal and servicing. All exterior housings of lamps and fixtures shall be corrosion resistant and weatherproofed. X

### 16.3 One (1) 225 AMP alternator minimum. Alternator must be sufficient to operate all electrical equipment on vehicle including lift without drain in battery. X

### 16.4 Dual (2) batteries (GLASS MAT) with a combined capacity of no less than 1800 CCA. Primary and secondary battery shall be at 900 CCA and both be located in fully enclosed stainless steel battery compartment with stainless steel slide out tray both batteries shall be matching manufacture and CCA. A battery compartment located adjacent to the passenger’s entrance door battery compartment shall be stainless steel or painted with acid resistant paint. All battery connections require battery anti-corrosion treatment. X

### 16.5 Electrical switch panel shall be dash/doghouse mounted and within easy reach of driver. It shall include all switches which will include: passenger compartment lighting, air conditioning, and heating both dash and rear factory installed equipment and wheelchair safety interlock ETC. All switches shall be back lit for night operation, professionally labeled switches, controls or gauges are not to be installed above the driver’s head or above the OEM Dash. X

### 16.6 A warning light and audible buzzer indicating rear door ajar condition shall be located in switch panel or dash. X
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.7</td>
<td>Wiring to be routed in a split open-type loom and secured to the body or frame with straps in order to prevent snagging and chafing. Plastic sleeves shall protect wires that penetrate steel member. An underbody convoluted loom shall be used as a protective channel for wiring. Terminals shall terminate at appropriate junction terminals encased in bake-lite or molded plastic material. All wiring and end connectors shall be of the machine staked type.</td>
<td></td>
</tr>
<tr>
<td>16.8</td>
<td>Wiring devices, switches, etc. with the exception of circuit breakers, shall be rated to carry at least 125% of the maximum ampere load for which the circuit is protected. Circuit breakers shall be manual resettable type and designed specifically for each circuit. All body circuit panels shall have an accurate ledger, professionally labeled and installed on circuit panel door.</td>
<td></td>
</tr>
<tr>
<td>16.9</td>
<td>A master electrical component compartment located in a weather protected compartment with access from the interior of the bus shall be provided.</td>
<td></td>
</tr>
<tr>
<td>16.10</td>
<td>All switches provided by bus body manufacturer shall be transit grade rocker type, identifiable with universal symbols indicating function, and shall be LED back-lit. Decals or any other “stick-on” type labels will be rejected.</td>
<td></td>
</tr>
<tr>
<td>16.11</td>
<td>Heavy duty 12-volt horn shall be provided and installed so it is protected from wheel wash. A back-up alarm shall be provided.</td>
<td></td>
</tr>
<tr>
<td>16.12</td>
<td>Required with delivery will be an “As Built” wiring schematic. Each individual circuit shall be displayed and correlate with the vehicle bid. A single sheet wiring diagram is unacceptable. Schematic may be contained on CD or conventional paper manual.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17.0 INSTRUMENT AND CONTROLS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
</table>
## AGREEMENT TO PURCHASE SERVICES

### 17.1 Following gauges and/or controls are to be provided:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Ignition Key Switch</td>
</tr>
<tr>
<td>b.</td>
<td>Speedometer with Recording Odometer</td>
</tr>
<tr>
<td>c.</td>
<td>Tachometer (If Optional)</td>
</tr>
<tr>
<td>d.</td>
<td>Voltmeter</td>
</tr>
<tr>
<td>e.</td>
<td>Oil Pressure Gauge and Warning Lamp</td>
</tr>
<tr>
<td>f.</td>
<td>Fuel Tank Level Gauge; Low Fuel Warning Light</td>
</tr>
<tr>
<td>g.</td>
<td>Engine Temperature Gauge</td>
</tr>
<tr>
<td>h.</td>
<td>Headlight High Beam Indicator</td>
</tr>
<tr>
<td>i.</td>
<td>Parking Brake “on” Indicator Light</td>
</tr>
<tr>
<td>j.</td>
<td>Directional Signal and Flasher Action Light</td>
</tr>
<tr>
<td>k.</td>
<td>Check Fuel Cap</td>
</tr>
<tr>
<td>l.</td>
<td>Fasten Safety Belt Warning Light</td>
</tr>
</tbody>
</table>

### 17.2 All instruments to be grouped on a single panel in full view of driver. | X |

### 17.3 Visual/audible warning system (apart from gauges already listed) shall be supplied to alert driver of an operational failure. | X |

### 17.4 The following controls, in addition to normal steering, braking and transmission functions are to be provided:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Column mounted turn signal lever</td>
</tr>
<tr>
<td>b.</td>
<td>Emergency flasher facing driver and clearly visible</td>
</tr>
<tr>
<td>c.</td>
<td>Door control at driver’s location</td>
</tr>
<tr>
<td>d.</td>
<td>OEM Exterior light switch</td>
</tr>
<tr>
<td>e.</td>
<td>Separate switch and temperature control for driver’s heater, defroster and AC</td>
</tr>
<tr>
<td>f.</td>
<td>Two-speed wiper control w/intermittent feature</td>
</tr>
<tr>
<td>g.</td>
<td>Windshield washer</td>
</tr>
<tr>
<td>h.</td>
<td>Switch for passenger compartment lights</td>
</tr>
<tr>
<td>i.</td>
<td>Driver dome light</td>
</tr>
<tr>
<td>j.</td>
<td>Body master disconnect switch, on positive side of system, readily accessible and manually operated by driver</td>
</tr>
</tbody>
</table>

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### 18.0 BODY CONSTRUCTION

<table>
<thead>
<tr>
<th></th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>18.1</strong></td>
<td>Body Structure: Vehicle shall be built as an integral unit and adequately reinforced at all</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

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joints and corners where stress concentration may occur; body shall be built to adequately carry required loads and withstand road shock. Documentation is required that vehicle meets FMVSS 220 Roll Over Certification. Such certification must be provided with bid submission. Written documentation should be included in bid package that the vehicle being bid has been certified and is in compliance with the required standard(s).

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.2</td>
<td>Body structure must incorporate an integrally welded steel body framing for the floor, end caps, sidewalls, and roof.</td>
</tr>
<tr>
<td>18.3</td>
<td>Floor framing description, method of assembly, steel cross sections, and gauge of steel must all be included in full description submitted as indicated at end of Section 18.</td>
</tr>
<tr>
<td>18.4</td>
<td>Tubular wall structures shall be jig-welded, with impact rails incorporated into the walls at floor and seat area.</td>
</tr>
<tr>
<td>18.5</td>
<td>Roof structure shall be same jig-welded construction. Complete description, including size of tubing, metal gauge submitted with total body construction detail. Roof structure must conform to appropriate FMVSS. An illustration of the framing construction must be submitted.</td>
</tr>
<tr>
<td>18.6</td>
<td>Body steel cage frame which would consist of floor, side walls, roof, from front to rear, and will be welded together resulting in a one-piece body frame structure. No other method of assembly will be acceptable.</td>
</tr>
<tr>
<td>18.7</td>
<td>Zinc coating or equal shall be applied to all steel structural members including all components listed in 18.6, when assembly has been completed.</td>
</tr>
<tr>
<td>18.8</td>
<td>Vehicle body shall be bolted to frame structure as recommended by chassis manufacturer.</td>
</tr>
<tr>
<td>18.9</td>
<td>Sidewalls and roof shall be insulated with</td>
</tr>
<tr>
<td>Clause</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>18.10</td>
<td>All securing and fastening hardware (nuts, bolts, clips, clamps) shall be stainless steel, zinc or cadmium plated phosphate coated to aid in corrosion prevention.</td>
</tr>
<tr>
<td>18.11</td>
<td>Exterior side walls shall be smooth side sheets with no exposed fasteners. Specify exterior wall material.</td>
</tr>
<tr>
<td>18.12</td>
<td>Wheelhouses are to be constructed of metal and reinforced to prevent deflection with ample clearance provided for tires under a load and operating on both smooth and rough terrain.</td>
</tr>
<tr>
<td>18.13</td>
<td>A clear paint protection film shall be installed on the front corner of body of the passenger’s side, ahead of passenger’s entry door and on driver side behind the driver’s door to protect from high volume of stone and road debris for damaging body panels.</td>
</tr>
<tr>
<td>18.14</td>
<td>Removable splash aprons (Mud Flaps) shall be installed at each wheel opening and must extend beyond the outer surface of the tires and not to interfere with any repairs and/or replacement.</td>
</tr>
<tr>
<td>18.15</td>
<td>Vehicle, entire under body frame and underside floor, shall be undercoated and applied at the time of manufacture. All open holes, gaps, seams that enter the bus body or exposed metal surfaces shall be sealed and undercoated. Any craters in the spray foamed areas that can trap materials from the roads shall be refilled and undercoated. Description of undercoating type and make will be included with full bus body description provided by bidding vendor.</td>
</tr>
<tr>
<td>18.16</td>
<td>All exterior metal trim shall be stainless steel, polished aluminum or chrome plated.</td>
</tr>
<tr>
<td>18.17</td>
<td>Gutters shall be installed the full body length of vehicle and over all windows and doors in such a way that water is diverted to</td>
</tr>
</tbody>
</table>
the rear of the vehicle.

**NOTE:** A COMPLETE AND DETAILED DESCRIPTION OF THE BODY CONSTRUCTION MUST BE SUBMITTED WITH ANY EXCEPTION REQUESTS AND/OR APPROVED EQUALS. SUCH DESCRIPTION MUST INCLUDE, BUT NOT LIMITED TO, THOSE ITEMS AS INDICATED THROUGHOUT SECTION 18. IN ORDER FOR A SUBSEQUENT BID TO BE CONSIDERED, PRE-APPROVAL OF THE CONSTRUCTION DETAIL MUST BE DETERMINED.

<table>
<thead>
<tr>
<th></th>
<th>19.0 DOORS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>19.1</strong></td>
<td>Doors of the bid vehicle shall include: Driver’s door, entrance door, accessible entrance door, and rear emergency door.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>19.2</strong></td>
<td>Driver’s Door shall be chassis manufacturer’s standard door. An external step shall be provided for driver’s ease and convenience in accessing vehicle. If OEM chassis manufacturer does not offer a built-in step as part of the chassis construction, an additional step, minimum of 7” of safe useable area must be provided. As specified in the Provider’s bid.</td>
<td>X</td>
<td></td>
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<tr>
<td><strong>19.3</strong></td>
<td>Passenger’s entrance door shall be a two leaf, electrically operated, driver controlled door. Size, make, and model of the motor used shall be included with bid, and shall meet the minimum measurements outlined under Sec. 2.0 Dimensions, and listed here. Door glass panes should be 1/8” thick, tinted with AS-2 rated tempered safety glass. Door framing (door trim) shall be stainless steel frame and be located directly adjacent to the driver’s seat. This specification refers to the doorway framing and not the door panels. Door entrance shall have a clear opening of a minimum of 40” width and a minimum door height of 75”. Doors must be installed in such way no to allow ice buildup on the first step. A rubber gasket shall be installed at the meeting edges creating a seal to prevent water and road debris from accessing stepwell. A hinged door must be supplied to access the door mechanism. A red small LED light shall be installed at the emergency exit. As specified in the Provider’s bid.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 19.4 Stepwell Assembly
- Stepwell Assembly shall be constructed of 12-gauge stainless steel. Stepwell shall meet the dimensions as outlined in Section 2.0. Steps shall be fully recessed, enclosed and protected from weather. Steps shall be covered with non-skid textured (or ribbed) treads with yellow step nosing. Treads should be fully secured to step to prevent lifting. Step well to be heated to prevent ice buildup with the installation of step heater(s) installed directly under step tread in the first two steps from the bottom. Warm Welcome acceptable or an approved equal. ADA required hand rails left and right will be installed in entry and shall be stainless steel.

### 19.5 Rear Emergency Door
- Rear Emergency Door: A key locking rear emergency door measuring a minimum 32” wide and 54” in height and be key locking from the exterior. A door ajar warning light and buzzer located in driver’s area door shall be provided with upper and lower door glass. In addition, windows in rear body panels one on each side of the door. These windows shall be a minimum of 7” in width and 24” high and matching in height, the door glass. Emergency exits shall be labeled on the interior of the vehicle. Door framing shall be constructed using stainless steel this refers to the framing of the doorway and not the door. Door to be constructed of 14-gauge steel framing and outer skin consistent with the body construction. Full length piano hinge shall be provided as well as high density foam insulation, a rubber gasket, all around to seal the door from water seepage. A gas pressurized strut rod is required to hold the door open when in use shall be provided. A red small LED light shall be installed at the emergency exit. As specified in the Provider’s bid.

### 19.6 Lift Access Door
- Lift Access Door: A key locking lift access door(s) shall be located behind the rear axle. Door shall measure minimum of 57” in height and a clear opening width that will accommodate the lift being offered in bid. Door framing shall be constructed using
stainless steel. A gas pressurized strut rod is required to hold the door open when in use shall be provided.

| 19.7 | All Door-way framing (Trim) shall be stainless steel. As in the previous door specifications, this refers to the door framing trim and not the door(s). Door(s) to be constructed with outer skin consistent with the body construction. Full length piano hinge shall be provided and door shall be insulated with high density foam; rubber gasket used to seal door against water seepage. | X |

| 19.8 | Roof Hatch: One (1) roof hatch/ventilator shall be installed in location determined by manufacturer not to interfere with roof mounted air conditioning unit. Hatch to be Specialty, Transpec or an approved equal. A red small LED light shall be installed at the emergency exit. | X |

<table>
<thead>
<tr>
<th><strong>20.0 WINDSHIELD AND WINDOWS</strong></th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.1 Windshield to be OEM standard and shall be laminated tinted safety glass.</td>
<td>X</td>
<td></td>
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</tr>
<tr>
<td>20.2 OEM heavy duty electrical two speed windshield wipers with an intermittent feature and washer.</td>
<td>X</td>
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<td></td>
</tr>
<tr>
<td>20.3 Driver’s side window to be OEM standard roll down type.</td>
<td>X</td>
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</tr>
<tr>
<td>20.4 Passenger windows shall be transit type and not a single sliding school bus type and shall comply with all applicable FMVSS. Windows shall have an opening capability for ensured ventilation with an upper “T” sliding design. Windows shall be safety glass with an AS-3 marking, dark tinted to a maximum of 31% light transmission.</td>
<td>X</td>
<td></td>
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</tr>
<tr>
<td>20.5 Emergency push out windows shall comply in quantity with FMVSS217 and clearly labeled with visible operating instructions. A red small LED light shall be installed above each emergency push out window</td>
<td>X</td>
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</tr>
</tbody>
</table>
and any emergency exit. A red small LED light shall be installed at the emergency exit.

### 20.6
The transition panel located between the right front wheel and the entrance door shall have an AS-2 rated glass window for driver’s view of the right side of vehicle and shall offer a minimum of 300 square inches of glass.

<table>
<thead>
<tr>
<th><strong>21.0 HEATERS</strong></th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>21.1</strong></td>
<td>Front heater shall be OEM manufacturer’s high output heater with defroster. Auxiliary heaters shall be a minimum of two (2) 65,000 BTU units located under seat(s) in passenger compartment and not to interfere with ambulatory traffic. Total heat BTU shall be sufficient to heat vehicle size.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>21.2</strong></td>
<td>Two (2) water shut-off valves shall be installed outside the vehicle under driver’s seat and shall be ¼ turn gate valves, or ball type valves.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>21.3</strong></td>
<td>Heaters individually controlled with three position switches; high, low and off and labeled front and rear. Switches shall be located in switch panel in driver’s area.</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

### 22.0 AIR CONDITIONING

| **22.1** | Dual air conditioning systems are required with separate compressors. A OEM dash air conditioning system shall be supplemented with a passenger air conditioning system of no less than 45,000 BTU, the BTU rating shall be recommended by manufacturer for service area and climate in Maine. Both systems shall be separately controlled by switches in the driver’s area and should offer a minimum of two speed fan control. Temperature shall be controlled by infinite position rotary control. Passenger’s air conditioning shall be a dual fan/condenser and shall be roof mounted. | X | |
22.2 Return and drain hoses from evaporator shall be routed internally of the vehicles rear wall. X

22.3 Product literature detailing manufacturer’s specification for both types of systems must be provided with the proposal and should support the BTU capacity for the system selected. X

### 23.0 INTERIOR LIGHTING

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.1</td>
<td>Interior lighting shall include a driver’s compartment dome light instrument panel lights, switch panel back-lighting, six (6) minimum recessed or low-profile mounted lights, in passenger compartment, and two (2) hooded 2 foot-candles of illumination measured stepwell lights that automatically illuminate when passenger door is opened. Interior lighting shall consist of LED lights.</td>
<td>X</td>
</tr>
</tbody>
</table>

| 23.2         | All egress locations shall be designated and identified with a small red LED light illuminated when vehicle is in operation. | X |

### 24.0 EXTERIOR LIGHTING

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>24.1</td>
<td>All exterior lights shall meet State, Federal and MaineDOT requirements. All applicable exterior lights, i.e. Lift Access door, entrance must be in compliance with the ADA requirements and be LED type. (Headlights Exempt)</td>
<td>X</td>
</tr>
</tbody>
</table>

| 24.2         | Single rectangular halogen headlamps of sealed beam type are required with high and low beam controlled by turn signal lever. Daytime running lights shall be provided if available from chassis manufacturer. | X |

| 24.3         | Directional signals, front and rear shall be operated by lever on steering column and shall meet all applicable FMVSS. | X |

| 24.4         | All exterior lights that are available shall be of LED type. | X |
## AGREEMENT TO PURCHASE SERVICES

### 24.5 ALL LIGHTS
- **All lights (marker, turn signals, taillights, clearance etc.) shall be flush or low profile mounted.**

### 24.6 BACK UP LIGHTS
- **Two (2) back up lights shall be provided with a center brake light that operates in conjunction with corner brake lights.**

### 24.7 FLOOR MOUNTED LIGHTS
- **Two (2) flush or low floor mounted two foot-candles of illumination measured LED lights shall be installed at the ambulatory entrance door illuminate the landing area and shall be activated automatically upon opening entrance door.**

### 24.8 LICENSE PLATE BRACKET
- **A license plate bracket with light shall be provided on rear of vehicle and a front license plate bracket for the front.**

### 25.0 FLOOR CONSTRUCTION/COVERING

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.1 5/8” minimum thickness marine grade plywood sub floor or approved equal all edges sealed to prevent entry of moisture. Subfloor shall be screwed and glued to frame members. Transit grade non-skid flooring shall be used over sub floor material aisle. Flooring shall be cemented with waterproof adhesive to the plywood sub floor and have welded seams to create a one piece covering. No floor carpeting will be accepted. Flooring shall be “cove” mounted up side walls a minimum of 5” also wheel wells shall be covered with the flooring material. All flooring edges that meet another material (walls, wheel wells, doorframes, floor tracks, etc.) shall be sealed (caulked) to prevent water from entering under the flooring. Any deviation from this installation will be unacceptable.</td>
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### 26.0 INTERIOR

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.1 Interior shall provide an aesthetically pleasing atmosphere. School bus type interior is not acceptable. As specified in the Provider’s bid.</td>
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</table>

CLOTH CEILING, GRAY COMPOSITE WALLS, GRAY VINYL TRIM.
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.2</td>
<td>Walls shall be finished in a durable material coordinated with the vehicle’s color scheme, white or light gray.</td>
<td>X</td>
</tr>
<tr>
<td>26.3</td>
<td>Headliner shall also be OEM compatible with vehicle’s colors and shall be cloth covered insulated for absorption of interior noise.</td>
<td>X</td>
</tr>
<tr>
<td>26.4</td>
<td>Headliner shall also be compatible with vehicle’s colors and shall be covered with a padded vinyl fabric for absorption of interior noise.</td>
<td>X</td>
</tr>
<tr>
<td>26.5</td>
<td>Side and rear walls and roof shall be insulated with description of insulation materials, with r-factor of 6 and installation process being part of the body details.</td>
<td>X</td>
</tr>
<tr>
<td>26.6</td>
<td>Fuel tank access panel shall be installed in floor.</td>
<td>X</td>
</tr>
<tr>
<td>26.7</td>
<td>Stanchions shall be installed that are constructed of 1¼” seamless stainless steel. Vertical stanchions, with modesty panels to be located at top left of step well and behind the driver. All modesty panels shall be padded and matching vinyl covered. A clear plexiglass partition shall be installed above the modesty panel behind the driver.</td>
<td>X</td>
</tr>
<tr>
<td>26.8</td>
<td>All stanchions to be secured to solid structure framing and not simply attached to ceiling or wall panels with sheet metal screws.</td>
<td>X</td>
</tr>
</tbody>
</table>

### 27.0 SEATING

<table>
<thead>
<tr>
<th>Section</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>27.1</td>
<td>Driver’s seat shall be Chassis OEM seat with an adjustable power base, fully padded, shock absorbing seat of heavy-duty fire-resistant construction, equipped with retractable lap and shoulder safety restraint; upholstery shall be standard OEM material. Standard arm rest adjustable fore and aft, recline, and lumbar support. All seat mechanism must be covered and not exposed.</td>
<td>X</td>
<td>AE</td>
</tr>
</tbody>
</table>
### 27.2 Passenger Seats shall be fully contoured 2pt mid-high, Freedman or approved equal.
Seats shall have individual backs and bottoms cushions with level 4 upholstery. The first row of seating will be designated by a sign as priority seating. Each passenger seating style will be determined by the end user, all seat costs shall be included in the seating options 38.0.
Passenger seat layout See floor layout Attachment #1.

### 27.3 A minimum of 28” hip to knee space including those seats mounted behind a modesty panel.

### 27.4 Seat belt extensions shall be provided for each individual seat on each vehicle. Length of extensions to be longest available per seat configuration.

### 27.5 Grab handle shall be installed on aisle seats, at the top of aisle seat. And two continuous ceiling mounted assist rail on each side of the passenger’s area aisle.

### 27.6 Each seat position shall be equipped with a freedman under seat retractor (USR) passenger restraint system (seat belts). Seat belts shall be bolted to the seat frame, independent of the seat. Belts must not be able to fall to the floor. All USR and release buckles must not be rigid design that will cause injury to the passengers. As described in the Provider’s bid.

<table>
<thead>
<tr>
<th>28.0 SAFETY EQUIPMENT</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.1 Each vehicle will be equipped with the following:</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Triangle Reflector Flare Kit</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. 5# Rechargeable ABC Type Fire Extinguisher with holder</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. 24 piece First Aid Kit w/CPR mouthpiece</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Back Up Alarm</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Seat Belt Cutter</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Evac-Aid evacuation blanket or</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Approved Equal

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>g.</td>
<td>Body Fluid Clean Up Kit</td>
</tr>
<tr>
<td>h.</td>
<td>Wheel chocks and holders</td>
</tr>
<tr>
<td>i.</td>
<td>Securement and location of safety equipment (with the exception of the back-up alarm) shall be in secure and accessible location to the driver.</td>
</tr>
</tbody>
</table>

#### 29.0 MIRROR

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.1</td>
<td>Exterior rear view mirrors shall be 7”x10” dual glass (one convex lens), heated, remote left and right. A four-way adjustable Interior rear view mirror installed above the center windshield shall be convex for driver’s view of bus interior.</td>
<td>X</td>
</tr>
</tbody>
</table>

#### 30.0 MUD FLAPS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.1</td>
<td>Mud flaps shall be installed behind front and rear wheels, flaps shall be positioned in such manner that they or outside the tire envelope to prevent road debris hitting body panels. Bracing may be required to prevent mud flap from sailing.</td>
<td>X</td>
</tr>
</tbody>
</table>

#### 31.0 EXTERIOR, PAINT, GRAPHICS, LETTERING

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.1</td>
<td>Buses shall be white unless an agency desires a solid exterior color. (Reference to Section # 38 General Options Pricing)</td>
<td>X</td>
</tr>
</tbody>
</table>

#### 32.0 RUSTPROOFING

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.1</td>
<td>Manufacturer’s full rust proofing package: When a vehicle is rust proofed in accordance with this standard, rustproof and/or bidder shall furnish written warranty stating the period of time the rust proofing will protect vehicle (maximum warranty period offered by manufacturer is required). Warranty shall include a detailed outline of all warranty limitations. Defective material and workmanship shall be replaced or repaired by the rustproof manufacturer at no Charge in accordance with the warranty. No materials from the rustproof process shall restrict any vents or air conditioning</td>
<td>X</td>
</tr>
</tbody>
</table>
drainage tube. Inspection to insure a clear drain will be done at factory and before delivery.

<table>
<thead>
<tr>
<th>33.0 BODY/CHASSIS WARRANTY</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.1 Manufacturer will provide a minimum standard warranty coverage on parts and labor, warranty to cover all components and parts on the bus body. Chassis will be warranted under OEM standard warranties. Bus body manufacturer shall provide a minimum standard warranty coverage.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>34.0 MISCELLANEOUS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>34.1 OEM AM/FM/CD digital radio shall be provided. Radio shall include clock as part of the radio and not a separate item. There shall be a minimum of four (4) speakers to be installed in passenger compartment.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34.2 Key locking storage area with hinged cover installed overhead of driver in the header area. <em>(No Glued Hinges)</em></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34.3 12 volt cell phone power charging outlet</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34.4 Driver side adjustable sun visor</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>35.0 WHEELCHAIR SECUREMENT AREA - RESTRAINTS</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>35.1 Wheelchair securement positions shall be both located in rear of vehicle. Area must have a clear floor area of 30” x 48” (ADA requirement 28.23.d.2) per securement.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35.2 Wheelchair Restraint(s) shall be Q-Straint 360 type or approved equal and shall secure wheelchair in a forward-facing position. Wheelchair occupant belt shall be provided as well as a retractable shoulder belt in compliance with ADA. Under seat mounted restraint holder (TDSS) shall be provided for belt storage when not in use.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>35.3 Floor restraint system must be manufactured by the same company</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
manufacturing the securement system and should be flush mounted. Q-Straint 360 should be appropriate for use with a “Slide and Click” or approved equal type.

<table>
<thead>
<tr>
<th>36.0 WHEELCHAIR LIFT</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.1 1000 lbs. Braun Century 2 or an approved equal Commercial wheelchair lift shall be in compliance with USDOT Rules and Regulations 49CFR, Part 38, ADA, 1990, covering platform. Further it shall comply with NHTSA Rule 403/404.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.2 Lift shall be inter-locked with the vehicle transmission ensuring that the vehicle cannot be moved when the lift is not in a stow position, ADA 38.23.b.2.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.3 Lift platform shall be illuminated by LED lights mounted on the lift itself as well as two exterior lights located below window level which are shielded to protect the eyes of passengers while entering or leaving lift area, ADA 38.31.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.4 A light on the dash shall be provided to indicate door is open. An interior light should activate when the door(s) are open to illuminate the wheelchair area from above the lift.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ADA REQUIREMENTS SHALL SUPERCEDE ANY AND ALL SPECIFICATIONS NOTED HERE.**

| 36.5 Hand held pendant control, for lift operations, shall be a one-hand operation design made of durable ABS plastic. Control box shall have back-lit functions and a coiled cable with modular jack connections. | X | |
| 36.6 Manual back-up system provided to ensure operation of lift in case of electrical failure. System shall be reliable and allow manual raising and lowering the lift while occupied. Back-up system shall fold and unfold platform. Pump shall be integrated with hydraulic power pack system so that no | X | |
hydraulic lines or fittings are required for fluid transfer.

| 36.7 | Platform shall be steel construction with a see-through grating allowing improved visibility and safer use. Platform shall have a minimum usable wheelchair passage width of 33” and a minimum usable length of 52” requiring a 57” vertical clear door opening. Sides of platform shall be a minimum of 2.5” high. | X |
| 36.8 | Platform shall be automatically folded and unfolded and fully automatic operation. Platform shall allow both inboard and outboard facing of wheelchair and mobility aid users. | X |
| 36.9 | Outer barrier shall be mechanically activated and must be in vertical position prior to platform movement. The Inner and Outer barrier shall be sole outboard retention device and shall be interlocked and comply with the FMVSS 403/404 requirements. Dual handrails shall be provided for additional security and convenience. Rails shall be 1 ¼” minimum diameter, minimum 30” high and a minimum of 8” in length and include handrail restraint. They shall withstand a 100lb. force in any direction without permanent deformation. | X |
| 36.10 | All lift components shall be finished with a baked-on powder coating which will meet a salt spray test of 1000 hours, providing corrosion resistance. | X |

### 37.0 GENERAL OPTIONS PRICING

<table>
<thead>
<tr>
<th>Price</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>The following equipment is to be bid as option with prices. List is not limited to, but should include, any and all items so marked throughout the specifications:</td>
<td></td>
</tr>
</tbody>
</table>

The following seat options shall reflect the cost difference between the seats specified in 27.2.

| 37.1 | Seating Options: Priced per seat not per | X |
## AGREEMENT TO PURCHASE SERVICES

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>double seat.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>» Integrated 3pt seat</td>
<td>$390.00</td>
<td>UPGRADE</td>
</tr>
<tr>
<td>» Integrated 3pt seat with CRS 225 hook and tether</td>
<td>$611.00</td>
<td>UPGRADE</td>
</tr>
<tr>
<td>» Integrated 3pt child restraint seat</td>
<td>$462.00</td>
<td>UPGRADE</td>
</tr>
<tr>
<td>» 3pt foldaway seat</td>
<td>$1,058.00</td>
<td>UPGRADE</td>
</tr>
<tr>
<td>» 2pt foldaway seat</td>
<td>$546.00</td>
<td>UPGRADE</td>
</tr>
</tbody>
</table>

### Exterior Bid as Option Pricing:

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>» One Contrast Stripe</td>
<td>$330.00</td>
</tr>
<tr>
<td>» Two Contrast Stripes</td>
<td>$430.00</td>
</tr>
<tr>
<td>» Solid Color Exterior Paint</td>
<td>$4,600.00</td>
</tr>
<tr>
<td>» Lettering (Per Letter)</td>
<td>$4.00</td>
</tr>
<tr>
<td>» Fleet Number</td>
<td>$12.00</td>
</tr>
<tr>
<td>» Additional snow tire and wheel mounted in compliance to Section 13.1 (priced each)</td>
<td>$440.00</td>
</tr>
</tbody>
</table>

### Two-way radio pre-wire:

Two-way radio pre-wire: Pre-wire shall consist of roof ground antenna with pull wire, 10ga. Power and ground wire, and 14ga activation wire routed to center of dash area with extra wire to allow placement options.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-way radio pre-wire</td>
<td>$195.00</td>
</tr>
</tbody>
</table>

### DVR interior surveillance camera system with a minimum three (3) year Warranty:

REI, Pro Vision, or approved equal. Provide pricing for each of the following options.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>» Two Camera System</td>
<td>$2,400.00</td>
</tr>
<tr>
<td>» Three Camera System</td>
<td>$2,900.00</td>
</tr>
<tr>
<td>» Four Camera System</td>
<td>$3,276.00</td>
</tr>
</tbody>
</table>

### SD Card interior surveillance camera system with a minimum three (3) year Warranty:

REI, Pro Vision, or approved equal. Provide pricing for each of the following options.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>» Two Camera System</td>
<td>$2,760.00</td>
</tr>
<tr>
<td>» Three Camera System</td>
<td>$3,180.00</td>
</tr>
<tr>
<td>» Four Camera System</td>
<td>$3,450.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>» Backup camera integrated in the rear-view mirror.</td>
<td>$806.00</td>
</tr>
<tr>
<td>» Backup camera with separate monitor.</td>
<td>$572.00</td>
</tr>
</tbody>
</table>

### PA system with hand held microphone:

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA system with hand held microphone.</td>
<td>$552.00</td>
</tr>
</tbody>
</table>

BP54 (Rev 10/2017)
**Internal & External speakers, must have switches to control interior speakers and exterior speakers individually and all speakers together.**

**37.6 Vehicle battery jump start connection (i.e. Anderson 350 or approved equal) readily accessible in the front near the engine grill.** $195.00

**37.7 Destination Signage, Mobilite** $4,850.00

**37.8 Fare Box Diamond NV with Two Vaults** $1,782.00

**37.9 Fare Box Diamond SV with Two Vaults** $2,185.00

**37.10 ADA fixed route vehicle requirements including but not limited to, pull cords or buttons, touch tape in the wheel chair areas, an overhead stop request sign with auditory stop indication.** $975.00

**37.11 Chassis Manufacturer's Extended Warranty** Itemized on additional options page

**37.12 Body Manufacture Extended Warranty** 3 years or 36,000 miles = $650.00 / 5 years or 50,000 miles = $1,300.00

**37.13 Bike Rack, two position front mounted stainless steel, Sport Works.** $2,990.00

**37.14 Diesel Engine** Not available

<table>
<thead>
<tr>
<th><strong>38.0 BID SUBMISSION REQUIREMENTS</strong></th>
<th><strong>Abbreviation</strong></th>
<th><strong>Actual Dimension</strong></th>
<th><strong>Notes</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>38.1 The following is a checklist required for this bid to assist in assuring that the bid is complete. This information is in addition to and all documentation found within the specifications.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>» Theoretical Weight Analysis Worksheet is required for all vehicles and supplied with vehicle final paper work.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>» Altoona Test on BID VEHICLE</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>» Complete informational document on chassis, body construction, and body materials.</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A fully dimensioned floor plan portraying the arrangement of seats, wheelchair positions, passenger assists, wheelchair lift, modesty panels and doorways.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A weight analysis worksheet exhibiting individual wheel and axle weights. The weight analysis shall be applicable to the vehicle bid and shall exhibit compliance with weight limitations of the chassis manufacturer.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bus body electrical system description, IN ADDITION TO WIRING &quot;AS BUILT SCHEMATIC&quot;</td>
<td>X</td>
<td>Sample included. As built to be supplied with each bus.</td>
</tr>
<tr>
<td></td>
<td>FMVSS Certifications</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bus Body Manufacturer’s Quality Assurance procedures “in plant”</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>QVM certification from chassis manufacturer</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>References of bidder’s customers currently using same type of vehicle bid. Should include contact name, telephone and date of delivery.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Contact name, title and telephone number for parts and service. Warranty service and warranty parts form included in bid package MUST be complete and returned in order for bid to be determined responsive.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Literature/Brochure shall be provided for Wheelchair Securement System, Wheelchair Lift, Air Conditioning, Heaters, Seating, ETC, and under seat retractors and release buckle.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manuals to be provided with vehicle shall include a Parts Manual, Service Manual and an “As Built” Wiring Schematic. One set of manuals per agency and one for MDOT for the initial purchase. Manuals may be provided in conventional paper manual or CD.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recommended service and maintenance schedule for chassis, body and components.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Warranty Descriptions on Chassis, Body and all Sub-Components</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Extended Warranty Descriptions on Chassis, Body and all Sub-Components</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>39.0 TRAINING</th>
<th>Abbreviation</th>
<th>Actual Dimension</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>39.1 Vehicle operators training shall be provided</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
within the first year of the agency receiving the vehicle(s). Training will be requested by the end user agencies. Training shall cover the functional operation of the Body, chassis, and low floor units (if appropriate) and shall be conducted for appropriate staff members and at their facility.
RIDER B

TERMS AND CONDITIONS

A. AGREEMENT

The Provider shall deliver the busses, hereinafter referred to as “equipment” ordered in accordance with this Agreement and governed by these Terms and Conditions. Payments are subject to the Provider’s compliance with all items set forth in the Agreement and subject to the availability of funds.

B. INDEPENDENT CAPACITY

In providing the equipment under the Agreement, the Provider shall act independently and not as an agent of the State of Maine.

C. STATUS REPORTS

Prior to the start of work, the Provider shall furnish MaineDOT with a proposed progress schedule in MaineDOT’s standard format. The Provider will outline the various phases of work that will need to be completed in order to meet the schedule set forth by MaineDOT.

During equipment assembly, the Provider shall submit to MaineDOT’s Fleet Representative, a Monthly Status Report of accomplishments from the preceding month. The progress report shall be used to keep team members and MaineDOT’s Fleet Representative informed about project status and issues. Information will include:

a. A written statement describing the work accomplished during the period and to date.
b. An estimate of the percentage of work completed within the specified services.
c. Any information needed from MaineDOT to complete the project and avoid delays.
d. The successful bidder’s action plan to remedy and address any non-conforming or unacceptable work submitted to Department.
e. Document anticipated problems and possible solutions.

These progress reports shall be submitted to MaineDOT on a monthly basis. Failure to submit could result in non-payment of the invoice, or be considered as a default, and shall be recorded in the Provider’s Performance Evaluation. If work is temporarily delayed, the Provider may suspend submittal of the monthly progress reports with written approval from MaineDOT. The Provider shall be responsible for addressing any action that may be required to keep the project on schedule. MaineDOT shall have a period of 15 business days after receipt of the submissions to complete the review and make any necessary comments. Following the review, the Provider will make any revisions and corrections requested by MaineDOT.

D. DEPARTMENT'S REPRESENTATIVE

The Agreement Administrator shall be the Department's representative during the period of this Agreement. This individual has authority to:

i. Curtail services if necessary to ensure proper execution; and

ii. Certify to the Department when payments under the Agreement are due and the amounts to be paid; and

iii. Make decisions on all claims from the Provider, subject to the approval of the MaineDOT’s Commissioner.
E. AGREEMENT ADMINISTRATOR

All progress reports, correspondence and related submissions from the Provider shall be submitted to:

Name: Dan Rolfe
Title: Assistant Fleet Services Manager
E-mail: Daniel.Rolfe@maine.gov
Phone: 207-624-8259
Address: 66 Industrial Drive, Augusta, ME 04330

who is designated as the Agreement Administrator on behalf of the Department, except where specified otherwise in this Agreement.

F. CHANGES IN THE WORK

The Department may order changes in the work, the Agreement Amount will be modified accordingly. Any monetary adjustment or any substantive change in the work shall be in the form of an amendment, signed by both Parties and approved by the State Purchases Review Committee. Said amendment must be effective prior to execution of the work.

G. PAYMENT AND OTHER PROVISIONS

MaineDOT anticipates paying the Provider for goods and services received, on the basis of net 30 day payment terms following delivery and acceptance of the equipment, the receipt of an acceptable title and required documents, and an accurate and acceptable invoice. An invoice will be considered accurate and acceptable if it contains the State of Maine Agreement number, correct pricing information relative to the Agreement, and provides any required supporting documents as applicable, and any other specific and agreed-upon requirements listed within the Agreement.

MaineDOT reserves the right to pay for the equipment purchased by any of several available means, which include but may not be limited to check, EFT, and/or procurement card. Providers are advised that state statute precludes sellers from imposing a surcharge on credit or debit card purchases (text follows):

“9-A MRSA §8-303 (2): A seller in a sales transaction may not impose a surcharge on a cardholder who elects to use a credit card or debit card in lieu of payment by cash, check or similar means.”

H. WARRANTY

For a period of one (1) year following equipment delivery and acceptance (the “Warranty period”), Provider unconditionally warrants and guarantees that the equipment shall be free from all defects discovered during the Warranty period. The Provider’s obligation will be to repair or replace the equipment or refund the purchase price. The decision whether to repair, replace, or refund the purchase price (including shipping) will be MaineDOT’s sole decision, the options are defined as follows:

- Replacement will be with new equipment matching the specifications within this Agreement.
- Reimbursement will be for the total purchase price of the equipment including the cost of returning the equipment.
- All repair costs, including the cost of transporting the equipment, will be borne by the Provider. All repairs will be warranted free from defects in parts and workmanship for a one year period following the repair.

The Provider hereby assigns to MaineDOT the right to enforce all manufacturer’s warranties or guarantees
on the equipment. The Provider agrees that the warranty obligations provided by this Agreement shall be reported as an outstanding obligation in the event of bankruptcy, dissolution, or the sale, merger, or cessations of operations of the Provider.

In the event of a breach of Provider’s warranty obligations, MaineDOT shall notify Provider in writing of the breach and grant Provider 30 days to cure the breach. Should Provider fail to cure the breach, MaineDOT may pursue whatever remedies may be available.

Time is of the essence in the delivery of the equipment specified herein, and in event of delay(s) in the delivery of the equipment beyond the date set forth in the Agreement, or beyond authorized extensions thereof MaineDOT may impose liquidated damages. Because it is difficult to determine the actual amount of the damage by reason of such delay it is therefore agreed that the Provider will pay the sum of one hundred dollars ($100.00) per unit for each calendar day(s) delay in delivery as liquidated damages and not as a penalty. The delivery day period becomes effective upon issuance of the delivery order. Provider has submitted a delivery day period of 120 days in bid.

These damages shall be deducted from any monies due, or which may thereafter become due to the Provider or may be recovered by through any lawful means.

I. SET-OFF RIGHTS

MaineDOT shall have all of its common law, equitable and statutory rights of set-off.

J. FORCE MAJEURE

Either party may be excused from performance under this Agreement to the extent the failure to perform is caused by acts of God or of the public enemy, fire, floods, epidemics, quarantine, restrictions, strikes, labor disputes, and freight embargos, or other causes beyond the party’s reasonable control. In the event of such event of force majeure, the affected party shall provide the other party written notice of the cause of delay within five (5) days from the beginning of any such delay. The time of performance shall be excused to extent of the duration of any such event of force majeure, or such period of time as may be mutually agreed upon by the Parties.

K. INDEMNIFICATION

The Provider shall indemnify and hold harmless the MaineDOT and its officers, agents, and employees from and against any and all claims, liabilities, and costs, including reasonable attorney fees, for any or all injuries to persons or property or claims for money damages, including claims for violation of intellectual property rights, arising from the negligent acts or omissions of the Provider, its employees or agents, officers or Subcontractors in the performance of work under this Agreement; provided, however, the Provider shall not be liable for claims arising out of the negligent acts or omissions of the MaineDOT, or for actions taken in reasonable reliance on written instructions of the MaineDOT. This indemnification provision shall survive any termination or expiration of the Agreement.

L. DEFAULT, TERMINATION

i. MaineDOT reserves the right to terminate this Agreement or any part hereof, for its sole convenience. Thirty (30) days advance written notice shall be provided in the case of a termination for convenience. In the event of such termination, Provider shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work.
BP 54 - AGREEMENT TO PURCHASE SERVICES

Provider shall be paid for all work on a percentage completed basis, as mutually agreed upon by the Parties, up to the date of termination.

ii. The MaineDOT shall have the right to terminate this Agreement in the event of a material breach or default by Provider of its obligations hereunder that is not cured within thirty (30) days from the date of receipt by Provider of written notice of such breach from the MaineDOT. If the breach or default, by its nature, cannot be cured within such thirty (30) day period, then Provider shall have such additional time (not to exceed thirty (30) additional days) as may be necessary to cure the breach or default, provided Provider has exercised reasonable commercial efforts and taken appropriate action to begin cure of the breach or default within the initial thirty (30) day cure period.

iii. The MaineDOT shall have the right to terminate this Agreement immediately upon written notice to Provider in the event (i) Provider, or any director, officer or employee of Provider assigned to this Project is convicted of a criminal offense directly related to information technology services; or (ii) proceedings in bankruptcy are commenced against Provider or if a receiver is appointed and such case or proceeding shall continue undismissed, or unstayed and in effect, for a period of one hundred twenty (120) days. Notwithstanding the foregoing, if the conviction of an employee assigned to this Project, officer or director, relates to individual and/or personal actions of such employee, officer or director and not the policy or directive of Provider and, upon such conviction, Provider shall terminate or otherwise remove such employee, officer or director and take such other steps to reasonably ensure the propriety of Provider’s delivery of information technology services, then the MaineDOT shall not have a right to terminate this Agreement pursuant to the foregoing clause (i) of this Section (L).

iv. Provider shall have the right to terminate this Agreement in the event of a material breach or default by the MaineDOT of its obligations hereunder that is not cured within thirty (30) days from the date of receipt by the MaineDOT of written notice of such breach from Provider. If the breach or default, by its nature, cannot be cured within such thirty (30) day period, then the MaineDOT shall have such additional time (not to exceed thirty (30) additional days) as may be necessary to cure the breach or default, provided the MaineDOT has exercised reasonable commercial efforts and taken appropriate actions to begin cure of the breach or default within the initial thirty (30) day cure period.

v. Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

M. DELIVERY AND ACCEPTANCE

Time is of the essence in the delivery of the equipment. The Provider shall execute the work continuously and diligently. Delivery of the units shall occur in accordance with the terms and conditions outlined in this Agreement.

i. Production of the units shall be conducted as a continuous production with no breaks or inserts of other orders or types of equipment.

ii. Delivery shall be restricted to Monday through Friday, between the hours of 8 AM and 4 PM.

iii. The Provider will contact MaineDOT Fleet Services 24 hrs. prior to delivery with an estimated time of arrival.

iv. Units furnished under this Agreement shall be delivered in first class condition, complete and ready for operation, and the Provider shall assume all costs, responsibilities, and risk of
loss related to damage that may have occurred in the delivery of the units.

v. When units are delivered, certificates or releases signed by representatives of MaineDOT Fleet Services are understood to be a simple acknowledgment of receipt of the units only and will NOT constitute an acceptance of the condition of the units or their conformance with the terms and conditions of the Agreement specifications.

vi. Upon delivery, MaineDOT may conduct such tests as may be required to determine to its own satisfaction that the units appear to be in conformance with the terms, conditions, and requirements of the Agreement specifications.

Acceptance shall occur following final inspection by authorized employees of MaineDOT Fleet Service, receipt of the titles and all requested documentation. The Provider will be notified, in writing, of acceptance/non-acceptance within fifteen calendar (15) days of delivery to the location specified in this Agreement.

N. RIGHT TO SUSPEND WORK

MaineDOT has the right to suspend any or all work at any time for any reason as it deems necessary. Consultant may receive payment for the portion of services completed through the date of suspension.

O. COPYRIGHT AND LICENSES - PATENTS AND COPYRIGHTS

Data and publication rights to any documents, produced under the terms of this Agreement are the property of MaineDOT. The Provider shall not copyright the material produced under the terms of the Agreement without written approval of MaineDOT, except to the extent necessary to protect its rights pursuant to the following paragraph.

The Parties to this Agreement mutually agree that, if patentable discoveries, intellectual property and software, or inventions should result from work described therein, all rights accruing from such discoveries or inventions shall be the sole property of the MaineDOT.

P. CLAIMS AND DISPUTES

General
To preserve any claim arising out of the Agreement, the Parties shall comply with and exhaust all provisions of this Section. Unless otherwise agreed to in writing, the Provider shall continue to perform its services during any dispute resolution process. If the Provider continues to perform, MaineDOT shall continue to make payments in accordance with the Agreement of amounts not in dispute.

Negotiation with MaineDOT’s Fleet Representative
The Provider shall promptly notify MaineDOT’s Fleet Representative, or their designee, in writing, of disputes that could significantly affect scope, schedule or compensation. After such notice, the Provider and MaineDOT’s Fleet Representative shall promptly negotiate in good faith to resolve the dispute. MaineDOT’s Fleet Representative will promptly issue a decision.

Review by Director
If the Provider desires a review of MaineDOT’s Fleet Representative’s decision, then the Provider shall promptly request in writing that MaineDOT’s Director of the applicable Bureau or Office review the Fleet Representative’s decision. The Director or its designee(s) shall promptly notify the Provider in writing of the result of the review.

Dispute Resolution
If the dispute remains unresolved after negotiation and review as set forth above, the Parties may proceed to mediation by selecting a mediator acceptable to both.

If the Parties are unable to resolve the dispute through mediation, either party may seek judicial review through a civil action commenced in the Superior Court of Maine, Kennebec County.

Q. NOTICE OF CLAIMS

The Provider shall give the MaineDOT’s Fleet Representative immediate notice in writing of any legal action or suit filed related in any way to the Agreement or which may affect the performance of duties under the Agreement, and prompt notice of any claim made against the Provider by any subcontractor which may result in litigation related in any way to the Agreement or which may affect the performance of duties under the Agreement.

R. CONTROLLING LAWS

The Agreement referred to in these Terms and Conditions is governed by the applicable laws of the Federal Government and the State of Maine.

Laws to Be Observed
The Provider shall comply with all applicable Federal, State and local laws, rules, regulations, orders, and ordinances affecting the work including, without limitation all environmental, wage, labor, equal opportunity, safety, patent, copyright, or trademark laws. The Provider shall indemnify MaineDOT and hold MaineDOT harmless against any and all claims or liabilities arising from or based upon the violation or alleged violation of any such Law caused directly or indirectly by or through the Provider.

S. ENTIRE AGREEMENT/BINDING EFFECT/MODIFICATION/ASSIGNMENT

This Agreement sets forth the entire agreement of the Parties with regard to the subject herein. This Agreement may not be modified except by a written amendment executed by both Parties.

Neither MaineDOT nor the Provider may assign, sublet, or transfer any rights under or interest (including, but without limitation, monies that are due or may become due) in the Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written Consent To Assignment, no assignment shall release or discharge the assignor from any duty or responsibility under the Agreement.

T. SEVERABILITY

The invalidity or unenforceability of any particular provision or part thereof of this Agreement shall not affect the remainder of said provision or any other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

U. NON-WAIVER

If MaineDOT fails or refuses to enforce any provision in the Agreement that shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of the Agreement.

V. SUB-AGREEMENTS

Unless provided for in this Agreement, no arrangement shall be made by the Provider with any other party for furnishing any of the services herein contracted for without the consent and approval of the MaineDOT’s
Fleet Representative. Any sub-agreement hereunder entered into subsequent to the execution of this Agreement must be annotated "approved" by the MaineDOT’s Fleet Representative before it is reimbursable hereunder. This provision will not be taken as requiring the approval of contracts of employment between the Provider and its employees assigned for services thereunder.

W. SUBLETTING, ASSIGNMENT OR TRANSFER

The Provider shall not sublet, sell, transfer, assign or otherwise dispose of this Agreement or any portion thereof, or of its right, title or interest therein, without written request to and written consent of the Agreement Administrator. No subcontracts or transfer of agreement shall in any case release the Provider of its liability under this Agreement.

X. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this Agreement, the Provider agrees as follows:

a. The Provider shall not discriminate against any employee or applicant for employment relating to this Agreement because of race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation, unless related to a bona fide occupational qualification. The Provider shall take affirmative action to ensure that applicants are employed and employees are treated during employment, without regard to their race, color, religion, sex, age, national origin, physical or mental disability, or sexual orientation.

Such action shall include but not be limited to the following: employment, upgrading, demotions, or transfers; recruitment or recruitment advertising; layoffs or terminations; rates of pay or other forms of compensation; and selection for training including apprenticeship. The Provider agrees to post in conspicuous places available to employees and applicants for employment notices setting forth the provisions of this nondiscrimination clause.

b. The Provider shall, in all solicitations or advertising for employees placed by or on behalf of the Provider relating to this Agreement, state that all qualified applicants shall receive consideration for employment without regard to race, color, religious creed, sex, national origin, ancestry, age, physical or mental disability, or sexual orientation.

c. The Provider shall send to each labor union or representative of the workers with which it has a collective bargaining agreement, or other agreement or understanding, whereby it is furnished with labor for the performance of this Agreement a notice to be provided by the contracting agency, advising the said labor union or workers’ representative of the Provider's commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

d. The Provider shall inform the contracting Department’s Equal Employment Opportunity Coordinator of any discrimination complaints brought to an external regulatory body (Maine Human Rights Commission, EEOC, Office of Civil Rights) against their agency by any individual as well as any lawsuit regarding alleged discriminatory practice.

e. The Provider shall comply with all aspects of the Americans with Disabilities Act (ADA) in employment and in the provision of service to include accessibility and reasonable accommodations for employees and clients.
f. Contractors and subcontractors with contracts in excess of $50,000 shall also pursue in good faith affirmative action programs.

g. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

Y. EMPLOYMENT AND PERSONNEL

The Provider shall not engage any person in the employ of any State Department or Agency in a position that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. The Contractor shall not engage on a full-time, part-time or other basis during the period of this Agreement, any other personnel who are or have been at any time during the period of this Agreement in the employ of any State Department or Agency, except regularly retired employees, without the written consent of the State Purchases Review Committee. Further, the Provider shall not engage on this project on a full-time, part-time or other basis during the period of this Agreement any retired employee of the Department who has not been retired for at least one year, without the written consent of the State Purchases Review Committee. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

Z. STATE EMPLOYEES NOT TO BENEFIT

No individual employed by the State at the time this Agreement is executed or any time thereafter shall be admitted to any share or part of this Agreement or to any benefit that might arise therefrom directly or indirectly that would constitute a violation of 5 MRSA § 18 or 17 MRSA § 3104. No other individual employed by the State at the time this Agreement is executed or any time thereafter shall be admitted to any share or part of this Agreement or to any benefit that might arise therefrom directly or indirectly due to his employment by or financial interest in the Provider or any affiliate of the Provider, without the written consent of the State Purchases Review Committee. The Provider shall cause the foregoing provisions to be inserted in any subcontract for any work covered by this Agreement so that such provisions shall be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

AA. ACCESS TO RECORDS

As a condition of accepting a contract for services under this section, a contractor must agree to treat all records, other than proprietary information, relating to personal services work performed under the contract as public records under the freedom of access laws to the same extent as if the work were performed directly by the department or agency. For the purposes of this subsection, "proprietary information" means information that is a trade secret or commercial or financial information, the disclosure of which would impair the competitive position of the contractor and would make available information not otherwise publicly available. Information relating to wages and benefits of the employees performing the personal services work under the contract and information concerning employee and contract oversight and accountability procedures and systems are not proprietary information. The Provider shall maintain all books, documents, payrolls, papers, accounting records and other evidence pertaining to this Agreement and make such materials available at its offices at all reasonable times during the period of this Agreement and...
for such subsequent period as specified under Maine Uniform Accounting and Auditing Practices for Community Agencies (MAAP) rules. The Provider shall allow inspection of pertinent documents by the Department or any authorized representative of the State of Maine or Federal Government, and shall furnish copies thereof, if requested. This subsection applies to contracts, contract extensions and contract amendments executed on or after October 1, 2009.

BB. LIABILITY INSURANCE

The Provider shall keep in force a liability policy issued by a company fully licensed or designated as an eligible surplus line insurer to do business in this State by the Maine Department of Professional & Financial Regulation, Bureau of Insurance, which policy includes the activity to be covered by this Agreement with adequate liability coverage to protect itself and the Department from suits. Providers insured through a “risk retention group” insurer prior to July 1, 1991 may continue under that arrangement. Prior to or upon execution of this Agreement, the Provider shall furnish the Department with written or photocopied verification of the existence of such liability insurance policy.

CC. NON-APPROPRIATION

Notwithstanding any other provision of this Agreement, if the State does not receive sufficient funds to fund this Agreement and other obligations of the State, if funds are de-appropriated, or if the State does not receive legal authority to expend funds from the Maine State Legislature or Maine courts, then the State is not obligated to make payment under this Agreement.

DD. ENTIRE AGREEMENT

This document contains the entire Agreement of the Parties, and neither party shall be bound by any statement or representation not contained herein. No waiver shall be deemed to have been made by any of the Parties unless expressed in writing and signed by the waiving party. The Parties expressly agree that they shall not assert in any action relating to the Agreement that any implied waiver occurred between the Parties which is not expressed in writing. The failure of any party to insist in any one or more instances upon strict performance of any of the terms or provisions of the Agreement, or to exercise an option or election under the Agreement, shall not be construed as a waiver or relinquishment for the future of such terms, provisions, option or election, but the same shall continue in full force and effect, and no waiver by any party of any one or more of its rights or remedies under the Agreement shall be deemed to be a waiver of any prior or subsequent rights or remedy under the Agreement or at law.
STATE OF MAINE

DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
BUREAU OF BUSINESS MANAGEMENT
DIVISION OF PROCUREMENT SERVICES

RFQ # 17A1806290000000000691

QUOTES ARE INVITED BY THE MAINE DEPARTMENT OF TRANSPORTATION (HEREIN AFTER “THE DEPARTMENT OR MAINEDOT”) IN CONJUNCTION WITH THE MAINE DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES, BUREAU OF GENERAL SERVICES, AND DIVISION OF PROCUREMENT SERVICES (HEREIN AFTER “THE DIVISION”) FOR THE FOLLOWING:

VEHICLE DESCRIPTION: Small Cutaway Accessible Bus
SEATING: Twelve Ambulatory Passengers and Two Wheelchair

<table>
<thead>
<tr>
<th>Provider</th>
<th>Quantity</th>
<th>Location</th>
<th>Estimated Delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kennebec Valley Community Action Program</td>
<td>4</td>
<td>Waterville</td>
<td></td>
</tr>
<tr>
<td>Regional Transportation Program</td>
<td>4</td>
<td>Portland</td>
<td></td>
</tr>
<tr>
<td>York County Community Action Corporation</td>
<td>5</td>
<td>Sanford</td>
<td></td>
</tr>
<tr>
<td>To be determined (TBD) over the term of Agreement</td>
<td>32</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: THERE WILL BE NO PUBLIC BID OPENING

➢ ANY VENDORS THAT FAIL TO COMPLETE AND SUBMIT ALL NECESSARY ACCURATE REQUIREMENTS WILL BE CONSIDERED AS NON-RESPONSIVE AND THE BID WILL BE REJECTED.
➢ A BUS BUILD SHEET MUST BE SUBMITTED WITH THE BIDDER’S PROPOSAL STATING WHAT IS BEING OFFERED AND HOW THE BUS WILL BE BUILT. THE BUS BUILD SHEET MUST REPRESENT EXACTLY WHAT THE BUS MANUFACTURER WILL BE BUILDING IF THEY ARE AWARDED THE BID.
➢ VEHICLE SERVICE CENTER MUST BE AVAILABLE TO THE PROVIDERS WITHIN 75 MILES OF THEIR LOCATION. SECTION 2.3 VEHICLE PERFORMANCE AND WARRANTY DATA OF APPENDIX D, FEDERAL REQUIREMENTS AND CERTIFICATIONS MUST BE FILLED OUT ACCURATELY.
GENERAL INSTRUCTIONS ON BIDDER QUESTIONS

It is the responsibility of each Bidder to examine the entire Request for Quotations (“RFQ”) and to seek clarification by submitting questions through the Q & A List tab on the Solicitation page. Any answers to questions will appear there as well. It is the Bidder’s responsibility to log in to view all questions and answers posted. Additional information obtained any other way will not be valid.

SUMMARY

For this competitive RFQ process, the Division is acting on behalf of the Department. The Division and the Department seek quotations (also referred to as “bids” or “responses” or “proposals” herein) to provide the equipment listed above. This document provides instructions and descriptions of requirements for this competitive process.

KEY DATES

- **PRE-BIDDERS CONFERENCE:** The Department will hold a Pre-Bidders’ Conference 7/25/2018 at 9:00 am in Augusta, Maine at the MaineDOT Fleet Services Conference Room, located at 66 Industrial Drive Augusta, Maine 04330.

- **APPROVED EQUALS REQUEST:** Requests for “approved equals” to specifications, protests of specifications, and requests for clarification must be submitted in writing to, and received by the Division no later than 5:00 pm on 8/3/2018 by e-mail to Donny.Crockett@maine.gov.

- **RESPONSE TO APPROVED EQUALS REQUESTS:** Department responses will be posted as a file attached to the quote on the Advantage ME electronic bid document by 5:00 pm on 8/13/2018.

- **QUOTATION DUE DATE:** Quotations must be received no later than 4:00 p.m. Eastern Standard Time (EST), on 8/27/2018. Quotations received after the 4:00 p.m. deadline will not be accepted.

IT WILL BE THE BIDDER’S RESPONSIBILITY TO CHECK ADVANTAGEME FOR RESPONSES TO THE ABOVE AND ANY NEW AMENDMENTS TO THE RFQ.

RFQ REQUIREMENTS

1. **Description of Requirements**
   
   The following is a description of the goods and/or services sought by the State of Maine under this RFQ.
   
   - Please see Appendix B

2. **Bid Contents Requirements**
   
   In addition to the cost, delivery, and other information required in VSS, all bids should contain the following information as attachments, in the Appendices listed below:
   
   - **Appendix A:** Bid Cover Page and Debarment Form
   - **Appendix B:** Detailed Specifications
   - **Appendix C:** Municipality Participation
   - **Appendix D:** Federal Provisions, Debarment, Performance, and Non-Collusion Certification
   - **Appendix E:** MaineDOT Terms and Conditions

3. **Master Agreement Term**
In addition to any mutually agreed upon delivery dates for purchases of goods, the contract resulting from this RFQ will have a term, or “Period of Performance”, during which the contract is considered to be in effect. The anticipated contract term is defined in the table below. Please note that the dates below are estimated and may be adjusted as necessary in order to comply with all procedural requirements associated with this RFQ and the contracting process. The actual contract start date will be established by the completed and approved contract.

Contract Renewal: N/A

The term of the anticipated contract, resulting from this RFQ, is defined as follows:

<table>
<thead>
<tr>
<th>Period</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Period of Performance</td>
<td>9/1/18</td>
<td>8/31/23</td>
</tr>
</tbody>
</table>

4. **Submitting a Quotation**

   a. **Quotations Due:** Quotations must be received no later than **4:00 p.m. Eastern Standard Time (EST)**, on the date listed in VSS. Quotations received after the 4:00 p.m. deadline will not be accepted.

   b. **Submission Instructions:** Bidders must submit their bids in the State of Maine’s electronic procurement system: Advantage “Vendor Self Service” (VSS). More information on this system can be found at the following internet link: [http://www.maine.gov/purchases/venbid/rfq.shtml](http://www.maine.gov/purchases/venbid/rfq.shtml).

   c. **Multiple Quotations:** Unless specifically prohibited in Section 1 of this RFQ, Bidders are permitted to submit multiple quotations for this RFQ, offering alternative items or pricing for the State of Maine to consider in its best value determination.

   d. **Withdrawal of a Quotation:** Bidders are permitted to withdraw their own quotations up until the due date and time for receipt of quotations. To do so, a Bidder must enter the VSS system (as referenced above), identify and open their submitted quotation located in the Solicitation Responses tab, and click the “Withdraw” button found at the bottom of the screen. Quotations cannot be withdrawn after the due date and time for receipt of quotations.

   e. **Attachments:** Any attachments provided with the Advantage VSS bid submission must be in MS Word, MS Excel, or Adobe (.pdf) format, unless otherwise specified in Section 1 of this RFQ. Vendors are encouraged to submit supporting documentation that aid the requesting department in understanding how the bid conforms to the requirements. **The VSS attachment file size limit is 2Mb.** Please contact the buyer for this RFQ if you must submit attachment files larger than this.

   f. **Vendor specifications:** Unless otherwise stated in this RFQ document, limited specification information will be required upon submission of a bid in response to this RFQ. However, a Bidder’s response should include an affirmative statement that their bid complies with all requirements of this RFQ, unless the Bidder specifically addresses how its bid differs from the specifications, and why the differences should be deemed acceptable by the State.

5. **General Instructions**

   a. The Bidder must submit a cost quotation response that covers the goods and term of the contract, including any optional renewal.

   b. The cost quotation shall include the costs necessary for the Bidder to fully comply with the contract.
AGREEMENT TO PURCHASE SERVICES

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terms and conditions and RFQ requirements.
c. Failure to provide the requested information may result in the exclusion of the quotation from consideration, at the discretion of the Division.
d. No costs related to the preparation of the quotation for this RFQ or to the negotiation of the contract with the Department may be included in the quotation.
e. The State is exempt from the payment of Federal, State and local Taxes on articles not for resale. Please provide quotations that do not include these taxes. Upon application, an exemption certificate can be furnished by the State at the point of contract finalization.

6. Quotation Evaluation and Selection

Evaluation of the submitted quotations shall be accomplished as detailed below:
a. State of Maine RFQ documents are evaluated on a Best Value basis. The term “Best Value” may take into consideration the qualities of the goods or services to be supplied, their conformity with the specifications listed in the RFQ, the purposes for which they are required, the date of delivery, and the best interest of the State. Once the goods or services have been determined to conform to the specifications then the Division will make its award decision based on the lowest price among the Bidders.
b. At the discretion of the Division, if a Bidder’s submission is deemed to not conform to the specifications listed in the RFQ, or otherwise not conform to the requirements of the RFQ, then that Bidder’s submission may not be considered for contract award.
c. In the event that no Bidder submission conforms to the specifications of this RFQ, then the Division may choose not to make any award. Alternatively, the Division may make an award to the Best Value Bidder whose specifications most closely meet the specifications of this RFQ. For example, if there are five specification requirements, and two responses are received with one Bidder meeting four requirements, and one bidder meeting three requirements, then the Division, at its discretion, may make a contract award to the Bidder meeting four requirements.
d. If the specifications provided with this RFQ are of a technical nature, then the Division’s RFQ Coordinator, at his or her discretion, may seek to use an evaluation team comprised of subject matter experts, end-users from the Requesting Department, or other State Department representatives. In such a case, the evaluation team will judge the merits of the quotations received in accordance with the best value criteria defined in the RFQ.

7. Negotiations

a. No Best and Final Offers: The State of Maine will not seek a best and final offer (BAFO) from any Bidder in this procurement process. All Bidders are expected to provide their Best Value pricing with the submission of their quotation.
b. The Division reserves the right to negotiate with the successful Bidder to finalize a contract at the same rate or cost of goods and services as presented in the selected quotation. Such negotiations may not significantly vary the content, nature or requirements of the quotation or the RFQ to an extent that may affect the price of goods or services requested. The Division reserves the right to terminate contract negotiations with a selected Bidder who submits a proposed contract significantly different from the quotation submitted in response to the RFQ.
c. In the event that an acceptable contract cannot be negotiated with the highest ranked Bidder, the Division may withdraw its award and negotiate with the next-highest ranked Bidder, and so on, until an acceptable contract has been finalized. Alternatively, the Division may cancel the RFQ, at its sole discretion.
TERMS AND CONDITIONS FOR RFQ AND CONTRACT

PART I  GENERAL INFORMATION ON RFQs

A. Purpose and Background

The State of Maine (“State”), Department of Administrative and Financial Services (“Department”), Bureau of Business Management (“Bureau”), Division of Procurement Services (“Division”) acts as the purchasing agent on behalf of all Executive Departments and other agencies within State Government. For this competitive Request for Quotations (RFQ) process, the Division is acting on behalf of the Requesting Department listed on the cover page. The Division and the Requesting Department seek quotations (also referred to as “bids” or “responses” herein) to provide the goods/services as defined above in Section 1 of this document. This document provides instructions for submitting quotations, the procedure and criteria by which the Bidder(s) will be selected, and the contractual terms which will govern the relationship between the State and the awarded Bidder(s). Following Bidder selection and upon reaching a mutual agreement, the State and the selected Bidder will enter into a contract – taking the form of a State of Maine Master Agreement or Buyer Purchase Order (all generally referred to as “contract” herein), as applicable.

B. General Provisions

1. Issuance of this RFQ does not commit the Division or the Requesting Department to issue an award or to pay expenses incurred by a Bidder in the preparation of a response to this RFQ. This includes attendance at personal interviews or other meetings and software or system demonstrations, where applicable.

2. All responses to this RFQ should adhere to the instructions and format requirements outlined in this RFQ and all written supplements and amendments (such as the Division’s answers to the Bidders’ questions submitted through the VSS), as issued by the Division. Responses are to follow the format and respond to all questions and instructions specified above in the “Submitting a Quotation” section of this RFQ.

3. Bidders shall take careful note that in evaluating a quotation submitted in response to this RFQ, the Department may consider materials provided in the quotation, information obtained through interviews/presentations (if any), and internal information of previous contract history between the Division and the Bidder (if any). The Division also reserves the right to consider other reliable references and publicly available information available in evaluating a Bidder’s experience and capabilities, if needed. All responses to this RFQ shall be considered to be authorized to legally bind the Bidder, and if selected for award, shall contain or be considered to contain a statement that the quotation and the pricing contained therein will remain valid and binding for a period of at least 180 days from the date and time of the bid opening.

4. The RFQ and the selected Bidder’s quotation, including all appendices or attachments, may be incorporated in the final contract.

5. Following announcement of an award decision, all submissions in response to this RFQ will be considered public records available for public inspection pursuant to the State of Maine Freedom of Access Act (FOAA) (1 M.R.S. §§ 401 et seq.).

6. The Division, at its sole discretion, reserves the right to recognize and waive minor informalities and irregularities found in quotations received in response to this RFQ.

7. The Division reserves the right to authorize other State Departments to use the contract(s) resulting from this RFQ, if it is deemed to be beneficial for the State to do so.
8. All applicable laws, whether or not herein contained, shall be included by this reference. It shall be Bidder’s responsibility to determine the applicability and requirements of any such laws and to abide by them.

C. Eligibility to Submit Bids

Public agencies, private for-profit companies, and non-profit companies and institutions are invited to submit bids in response to State of Maine Requests for Quotations.

D. Delivery Terms

For the purchase of goods, the Division and selected Bidder will decide upon a delivery date in accordance with the State’s requirements and the terms offered in the Bidder’s quotation. Unless stated otherwise in Section 1 of this RFQ, all deliveries are expected with shipping terms of “Free on Board (FOB) – Destination”. The State intends for this to mean that all goods shall be priced in the bid response to include shipping charges, if any, to the State’s desired location. The “FOB – Destination” shipping term is also intended to mean that the State shall not bear any responsibility for the goods in question until the State takes possession of them at the destination point of delivery.

E. Alternate Bids and Approved Equals

When, in bid forms and specifications, an article or material is identified by using a trade name and catalog number of a manufacturer or vendor, the term “or approved equal,” if not inserted with the identification, is implied. Any Bidder that seeks to propose an alternate item from what is specified in this RFQ should refer to State of Maine Statute 5 MRSA §1825-B, for “Bids, awards and contracts”, found here: http://www.mainelegislature.org/legis/statutes/5/title5sec1825-B.html

F. Appeal of Contract Awards

Any person aggrieved by the award decision that results from this RFQ may appeal the decision to the Director of the Bureau of General Services in the manner prescribed in 5 MRSA § 1825-E and 18-554 Code of Maine Rules, Chapter 120 (found here: http://www.maine.gov/purchases/policies/120.shtml). The appeal must be in writing and filed with the Director of the Bureau of General Services, 9 State House Station, Augusta, Maine, 04333-0009 within 15 calendar days of receipt of notification of contract award.

If this RFQ results in the creation of a pre-qualified or pre-approved list of vendors, then the appeal procedures mentioned above are available upon the original determination of that vendor list, but not during subsequent competitive procedures involving only the pre-qualified or pre-approved list participants.

PART II CONTRACT ADMINISTRATION AND CONDITIONS

A. Contract Document

The successful Bidder will be required to execute a contract in the form of a State of Maine Master Agreement.

The Standard Terms and Conditions used with the aforementioned contract types may be found on the Division of Procurement Services’ website at the following link: http://www.maine.gov/purchases/info/forms/BPO_General_Terms.doc
In the event that the State of Maine’s Standard Terms and Conditions or RFQ provisions do not otherwise cover contractual scenarios that are specific to the goods or services being purchased under this RFQ, then the State is willing to consider a Bidder’s standard terms and conditions. Consideration or use of a Bidder’s standard terms and conditions shall only occur under the general agreement that in the event of a conflict, the State of Maine’s Standard Terms and Conditions and RFQ provisions shall take precedence.

Other forms and contract documents commonly used by the State can be found on the Division of Procurement Services’ website at the following link: http://www.maine.gov/purchases/info/forms.shtml

**B. Independent Capacity**

In providing services and performing under the contract, the successful Bidder shall act independently and not as an agent of the State of Maine.

**C. Payments and Other Provisions**

The State anticipates paying the selected Bidder for goods and services received, on the basis of net 30 payment terms, upon the receipt of an accurate and acceptable invoice. An invoice will be considered accurate and acceptable if it contains a reference to the State of Maine contract number, contains correct pricing information relative to the contract, and provides any required supporting documents, as applicable, and any other specific and agreed-upon requirements listed within the contract that results from this RFQ.

The State of Maine reserves the right to pay for goods purchased through this solicitation by any of several available means, which include but may not be limited to check, EFT, and/or procurement card. Bidders are advised that state statute precludes sellers from imposing a surcharge on credit or debit card purchases (text follows):

“9-A MRSA §8-303 (2): A seller in a sales transaction may not impose a surcharge on a cardholder who elects to use a credit card or debit card in lieu of payment by cash, check or similar means.”

**RFQ REQUIREMENTS**

1. The following requirements and conditions shall be considered an essential part of the specifications and proposal:

1.1 Proposals are requested for the above listed items to be purchased by the Department. Purchase of these vehicles is subject to a Financial Assistance Agreement between the Department and the U.S. Department of Transportation, Federal Transit Administration.

The Catalog of Federal Domestic Assistance Number of the Program from which the Federal funding for the vehicles is authorized under one or more of the following: Catalog 20.507, 20.509, 20.513, 20.520, 20.521, 20.526

Quoted prices must remain in effect for a period of five (5) years after the Agreement begin date, during which time an additional 32 units may be ordered at the quoted price. “Be noted” the inclusion of this option in no way establishes a commitment by the State of Maine to purchase any of these additional vehicles should it not receive sufficient funds to fund the purchase of these additional vehicles, if funds are de-appropriated, or if the State of Maine does not received
legal authority to expend funds from the Maine State Legislature, Maine courts or Federal Government.

1.1.2 All vehicles bid must conform to the final approved specifications and all Federal and State laws, regulations and standards. Where these specifications and Federal and/or State laws conflict, the requirements of the Federal and/or State laws shall prevail.

**APPLICABLE REGULATIONS: SEE CERTIFICATIONS REQUIRED**

1.1.3 Vehicle and component parts must be of the highest quality and workmanship available in the various trades and of substantial, durable, and safe construction. In all cases materials and construction of the vehicle must be furnished as specified but when brand names are used in the specifications, the term “approved equal” is implied and will be considered.

1.1.4 No advantage shall be taken by the vehicle manufacturer or bidder in the omission of parts or details required to make the vehicle complete and ready for service even though such parts or details may not be mentioned in these specifications. All units or parts not herein contained or specified shall be manufacturer’s standard. All parts shall be new. In no case will used, reconditioned, or obsolete parts be accepted. Insofar as possible, parts and equipment in any one vehicle shall be a duplicate in manufacture, design and construction and shall be interchangeable with parts and equipment in any other vehicle in the proposal.

1.1.5 The price quoted in any proposal shall include all items of labor, material, tools, equipment, delivery and other costs necessary to fully complete the delivery of vehicles pursuant to these specifications.

1.1.6 The Division/Department reserve the right to accept or reject any or all quotes for any reason, including, but not limited to, the following:

1.1.6.1 Equivalency of proposed specifications vs. specifications included in this RFQ.
1.1.6.2 High lifecycle operating and maintenance costs based on evaluation of vehicle performance.
1.1.6.3 Warranty data, and local availability of service and parts pursuant to Appendix D Federal Requirements and Certifications, Section 2.3 Certification Vehicle Performance & Warranty Data of this RFQ.
1.1.6.4 Quotes considered non-responsive due to lack of required certifications and information.

2 **DELIVERY REQUIREMENT:**

The delivered vehicles shall be inspected by the Department and the Provider at the Department’s Augusta Fleet Services location prior to delivery to the procuring agency at a location determined by the Department and the Provider. Delivery to the Provider “as stated on first page of Invitation to Bid” shall be the responsibility of the successful bidder.
The successful bidder will be required to provide the Department 48 hour notice prior to delivery. Failure to do so could result in delivery delays and possible exclusion from future bidding.

3 TRAINING:

Training for both maintenance and operation on proposed vehicles will be provided by the successful bidder and the manufacturer at a time and place chosen by the Department and the Provider. All training costs will be included in bid price as an option and bidder must include the training agenda and detailed description of the maintenance & operation training in their submittal.

4 REQUEST FOR “APPROVED EQUAL” PROCEDURES

1. Any request for “approved equal” or protest of specifications must be fully supported with technical data, test results, or other pertinent evidence that the proposed substitute is equal to or better than the specification requirement. In addition, any test requirements in the specifications pertaining to an item under consideration for “approved equal” must be submitted with the request for “approved equal”.

2. The Department replies to requests for “approved equals” to specifications, protests of specifications, and requests for clarification will be processed through the Division and posted as a file attached to the quote on the Advantage ME electronic bid document.

3. Changes to the specifications will be made by amendment and posted electronically (Advantage ME) It is the Bidder’s responsibility to log in to view all amendments to this quote.

4. Note: All questions and responses must be provided via the State of Maine’s e-Procurement system: AdvantageME / Vendor Self Service (“VSS”).

5 QUOTATION EVALUATION AND SELECTION

Evaluation of the submitted quotations shall be accomplished as detailed below:

5.1 State of Maine RFQ documents are evaluated on a Best Value basis. The term “Best Value” takes into consideration the qualities of the goods or services to be supplied, their conformity with the specifications listed in the RFQ, the purposes for which they are required, the date of delivery, and the best interest of the State. Once it has been determined that the equipment conforms to the specifications listed, and other Best Value considerations have been made, then the Division will make its award decision based on the lowest responsible Bidder.

5.2 At the discretion of the Division, if a Bidder’s submission is deemed to not conform to the specifications listed in the RFQ, or otherwise not conform to the requirements of the RFQ, then that Bidder’s submission may not be considered for Agreement award.

5.3 In the event that no Bidder submission conforms to the specifications of this RFQ, then the Division may choose not to make any award. Alternatively, the Division may make an award to the Best Value Bidder whose specifications most closely meet the specifications of this RFQ. For example, if there are five specification requirements, and two responses are received with one Bidder meeting four requirements, and one bidder meeting three requirements, the Division may at its discretion...
make an Agreement award to the Bidder meeting four requirements.

5.4 If the specifications provided with this RFQ are of a technical nature, then the Division’s RFQ Coordinator may at their discretion seek to use an evaluation team comprised of subject matter experts, end-users from the Requesting Department, or other State Department representatives. In that case, the evaluation team will judge the merits of the quotations received in accordance with the criteria defined in the RFQ.
RIDER D

PROVIDER SIGNED CERTIFICATIONS

APPENDIX A – Bid Cover Page and Debarment Certification

APPENDIX C – Municipality Political Subdivision and School District Participation Certification

APPENDIX D – Federal Requirements and Certifications
**APPENDIX A**

**STATE OF MAINE**  
**DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES**  
**DIVISION OF PROCUREMENT SERVICES**

**BID COVER PAGE**

| Matthews Bus Alliance, Inc., DBA: Matthews Buses Commercial  
| Douglas Gifford / Commercial Sales Manager  
| Tel: 830-339-1175 X-419  
| Fax: 407-392-7642  
| dgi@mathisbuscommercial.com  
| 4802 West Colonial Drive  
| Orlando, FL 32808 |

**Dean Capparelle / Commercial Sales**  
| Tel: 407-530-5534  
| Fax:  
| dcapparelle@mbuscommercial.com  
| PO Box 841  
| Greenville, RI 02828 |

By signing below Bidder affirms:
- Their bid complies with all requirements of this RFQ; and
- This bid and the pricing structure contained herein will remain firm for a period of 180 days from the date and time of the bid opening; and
- That no personnel currently employed by the Department or any other State agency participated, either directly or indirectly, in any activities relating to the preparation of the Bidder’s proposal; and
- That no attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit a proposal; and
- That the undersigned is authorized to enter into contractual obligations on behalf of the above-named organization.

| Name: Douglas K. Gifford  
| Title: Commercial Sales Manager |

| Authorized Signature:  
| Date: September 19, 2018 |

State of Maine RFQ #17A180629000000000020601
Debarment, Performance, and Non-Collusion Certification

By signing this document I certify to the best of my knowledge and belief that the aforementioned organization, its principals, and any subcontractors named in this proposal:

a. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from bidding or working on contracts issued by any governmental agency.
b. Have not within three years of submitting the proposal for this contract been convicted of or had a civil judgment rendered against them for:
   i. A criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state or local government transaction or contract.
   ii. Violating Federal or State anti-bribe statutes or committing bribery, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
   iii. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (b) of this certification.
   iv. Have not within a three (3) year period preceding this proposal had one or more federal, state or local government transactions terminated for cause or default.
c. Have not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and this proposal is in all respects fair and without collusion or fraud. The above mentioned entities understand and agree that collective bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.

- Failure to provide this certification may result in the disqualification of the Bidder’s proposal, at the discretion of the Department.

To the best of my knowledge all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.

<table>
<thead>
<tr>
<th>Name: Douglas K. Gifford</th>
<th>Title: Commercial Sales Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorized Signature:</td>
<td>Date: September 19, 2018</td>
</tr>
</tbody>
</table>

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APPENDIX C

STATE OF MAINE
DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES
DIVISION OF PROCUREMENT SERVICES

Municipality Political Subdivision and School District
Participation Certification

RFQ # 17A 18062900000000000691

The Division of Purchases is committed to providing purchasing opportunities for municipalities, political subdivisions and school districts in Maine by allowing them access, through our vendors, to our Agreement pricing. A bidder's willingness to extend Agreement pricing to these entities will be taken into consideration in making awards.

Will you accept orders from political subdivisions and school districts in Maine at the prices quoted?

X Yes

___ Yes with conditions as follows:

___ No

Name of Company: Matthews Bus Alliance Inc, DBA Matthews Buses Commercial

Address:
4802 West Colonial Drive, Orlando, FL 32808

Signature:

Date: September 19, 2018

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APPENDIX D
FEDERAL REQUIREMENTS AND CERTIFICATIONS

1.0 FEDERAL REQUIREMENTS

1.1 INSPECTION-FEDERAL
The U.S. Department of Transportation, Federal Transit Administration and/or representatives of the MaineDOT shall have the right and be at liberty to inspect, with the cooperation of the successful bidder, materials and workmanship of proposed vehicles and shall have the right to reject materials and workmanship which do not conform to the specifications. Expectations, if any, shall take place during normal business hours. Whether or not inspection is made, the successful bidder shall not be relieved of any obligation to furnish material and workmanship strictly in accordance with specifications.

1.2 CIVIL RIGHTS
The following requirements apply to the underlying contract:
(1) Non-Discrimination - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 203 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the successful bidder agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, disability, or sexual preference. In addition, the successful bidder agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.
(2) Equal Employment Opportunity - The following equal employment opportunity requirements apply to the underlying contract:

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action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, age, or sexual preference. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the successful bidder agrees to comply with any implementing requirements FTA may issue.

(3) Age - In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. §§ 623 and Federal transit law at 49 U.S.C. § 5322, the successful bidder agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(4) Disabilities - In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the successful bidder agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, “Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,” 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(3) The successful bidder also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

Contract Work Hours and Safety Standards (If Applicable)

All subcontracts of the successful bidder, and all lower tier subcontracts, shall contain or reference all applicable provisions of this Invitation to Bid. To the extent applicable any procurement may be covered by The Contract Work Hours and Safety Standards Act as codified at 40 USC 3701, 40 USC 3701(b)(1)(B)(ii) and (c), (2), 40 USC 3701(b)(3) (A)(ii), 29 CFR 5.5(b), 29 CFR 5.5(i)(a), 29 CFR 5.5(i)(h), and 49 CFR 38.36(i)(6), Maine DOT will include this clause in said procurements with the following language.

(1) Overtime requirements - No successful bidder or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages; liquidated damages - In the event of any violation of the clause set forth in paragraph (1) of this section the successful bidder and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such successful bidder and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including washmen and guards, employed in violation of the clause set forth in paragraph (1) of this

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section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages - The (write in the name of the grantor) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the successful bidder or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime successful bidder, such sums as may be determined to be necessary to satisfy any liabilities of such successful bidder or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) Subcontracts - The successful bidder or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (3) of this section and also a clause requiring the subcontractors to include those clauses in any lower tier subcontracts. The prime successful bidder shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

1.3 FLY AMERICA REQUIREMENTS:
The successful bidder agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and sub-recipients of Federal funds and their successful bidders are required to use U.S. Flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The successful bidder shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The successful bidder agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

1.4 CARGO PREFERENCE - USE OF UNITED STATES-FLAG VESSELS:
The successful bidder agrees: a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, cryo cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rate, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA recipient (through the successful bidder in the case of a subcontractor's bill-of-lading) c. to include these

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requirements in all subcontract(s) issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

1.5 PRE-AWARD AND POST-DELIVERY AUDIT REQUIREMENTS:
The successful bidder agrees to comply with 49 U.S.C. § 5323(l) and FTA's implementing regulation at 49 C.F.R. Part 553 and to submit the following certifications:
(1) Buy America Requirements: The successful bidder shall complete and submit a declaration certifying either compliance or noncompliance with Buy America. If the Bidder/Offeror certifies compliance with Buy America, it shall submit documentation which lists 1) component and subcomponent parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and cost; and 2) the location of the final assembly point for the rolling stock, including a description of the activities that will take place at the final assembly point and the cost of final assembly.
(2) Solicitation Specification Requirements: The successful bidder shall submit evidence that it will be capable of meeting the bid specifications.
(3) Federal Motor Vehicle Safety Standards (FMVSS): The successful bidder shall submit 1) manufacturer's FMVSS self-certification sticker information that the vehicle complies with relevant FMVSS or 2) manufacturer's certified statement that the contracted buses will not be subject to FMVSS regulations.

1.6 CLEAN AIR:
(1) The successful bidder agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The successful bidder agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
(2) The successful bidder also agrees to include these requirements in each subcontract exceeding $100,000 financed in whole or in part with Federal assistance provided by FTA.

1.7 CLEAN WATER:
(1) The successful bidder agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The successful bidder agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
(2) The successful bidder also agrees to include these requirements in each subcontract exceeding $100,000 financed in whole or in part with Federal assistance provided by FTA.

1.8 ENERGY CONSERVATION:
The successful bidder agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

1.9 FEDERAL CHANGES:
Successful bidder shall at all times comply with all applicable FTA regulations, policies.

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procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or supplemented from time to time during the term of this contract. Successful bidder’s failure to so comply shall constitute a material breach of this contract.

1.10 **NO OBLIGATION BY THE FEDERAL GOVERNMENT:**

(1) The Purchaser and successful bidder acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Purchaser, successful bidder, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

(2) The successful bidder agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

1.11 **PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS:**

(1) The successful bidder acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § 3801 et seq., and U.S. DOT regulations, “Program Fraud Civil Remedies,” 49 C.F.R. Part 31, apply to its actions pertaining to this Project. Upon execution of the underlying contract, the successful bidder certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the successful bidder further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate.

(2) The successful bidder also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1014 and 49 U.S.C. § 5307(a)(1) on the successful bidder, to the extent the Federal Government deems appropriate.

(3) The successful bidder agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

1.12 **INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS:**

The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1E are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control, in the event of a conflict with other provisions contained in this Agreement.

State of Maine RFQ #17A - insert number assigned: Advantage System
The successful bidder shall not perform any act, fail to perform any act, or refuse to comply with any (name of grantee) request which would cause (name of grantee) to be in violation of the FTA terms and conditions.

1.13 SUSPENSION AND DEBARMENT

This agreement is a covered transaction for purposes of 49 CFR Part 29, Executive orders 12549 & 12689, and 31 U.S.C. 613. As such, the successful bidder is required to verify that none of the successful bidder, its principals, as defined at 49 CFR 29.905, or affiliates, as defined at 49 CFR 29.905, are excluded or disqualified as defined at 49 CFR 29.940 and 29.945.

The successful bidder is required to comply with 49 CFR 29, Subpart C and must include the requirement to comply with 49 CFR 29, Subpart C in any lower tier covered transaction if enters into.

By signing and submitting its bid or proposal and the certificate of eligibility, the bidder or proposer certifies as follows:

The certification in this clause is a material representation of fact relied upon by the bidder. If it is later determined that the bidder or proposer knowingly rendered an erroneous certification, in addition to remedies available to the bidder, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

2.0 CERTIFICATIONS

The following Certifications and information shall be provided by the bidder in conjunction with this Invitation to Bid. FAILURE TO COMPLETE THESE CERTIFICATIONS MAY CAUSE THE BID TO BE REJECTED AS NON-RESPONSIVE.

- Eligibility: Debarment & Suspension
- Non-Compliance Bidding
- Vehicle Performance and Warranty Data
- Safety, Emissions, Noise Standards
- Disadvantaged Business Enterprise/Women Owned Business Enterprise Goals
- Buy American Provision
- Bus Testing Provision
- Specification Compliance
- Lobbying Activities
- Recycled Products

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ALL CERTIFICATIONS MUST BE COMPLETED & SIGNED.

2.1 CERTIFICATE OF ELIGIBILITY

The Startrans Bus Division of Forest River Inc. (Company name) hereby certifies that it:

(1) Is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal Department or Agency;

(2) Have not, within a three year period preceding this proposal, been convicted of, nor had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction; violation of Federal or State anti-trust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or Local) with commission of any of the offenses listed in paragraph (2) of this certification; and

(4) Have not, within a three year period preceding this application, had one or more public transactions (Federal, State, or Local) terminated by default.

The Bidder certifies that, if it becomes aware of any later information that contradicts the statements of paragraphs (1) through (4) above, it will promptly inform the State of Maine. Should the Bidder be unable to certify to the statements of paragraphs (1) through (4) above, it shall so acknowledge on its Signature Page and provide a written explanation to the State of Maine.

Mark Barczak  
Printed Name of Person Bidder

Mark Barczak  
Authorized Signature

Government Bid Administrator  
Title

State of Maine RFQ 17A - insert number assigned Advantage System
2.2 NONCOLLUSION BIDDING CERTIFICATION

By submission of this Bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:

1. The prices in this Bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any other matter relating to such prices with any other Bidder or with any other competitor.

2. Unless otherwise required by law, the prices which have been quoted in this Bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor and,

3. No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

2018
Dated

Mark Barczak
Printed name of Person Bidding

Authorized Signature

Government Bid Administrator
Title

State of Maine RFQ 417A - insert number assigned Advantage System 52
2.3 VEHICLE PERFORMANCE AND WARRANTY DATA

The information provided on this form will be used in determining operating costs of the vehicle. Bid must complete this form and submitted with bid. Bids received without this information will be considered non-responsive to the bid. THIS FORM MUST BE REPRODUCED AND COMPLETED FOR EACH CATEGORY OF VEHICLES BID.

1. VEHICLE CATEGORY: Bus

2. DESCRIBE THE PROCESS FOR THE SUBMISSION OF WARRANTY CLAIMS FOR REIMBURSEMENT OUTLINED AND SUBMITTED WITH THE BID. (written process to follow for reimbursement of warranty claims)

   Warranty process included in technical submission.

3. VEHICLE INFORMATION:

   YEAR 2019 VEHICLE MAKE: Starrans Bus

   VEHICLE MODEL: Senator S11

   EPA MILEAGE RATING: CITY 8, HWY: 1

4. MANUFACTURER'S RECOMMENDED PREVENTATIVE MAINTENANCE SCHEDULE MUST BE PROVIDED FOR BOTH CHASSIS AND BODY

   Included in technical submission.

State of Maine RFG 917A - insert number assigned Advantage System

BP54 (Rev 10/2017)
5. **BASIC VEHICLE WARRANTY DESCRIPTION**

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>MANUFACTURER</th>
<th>YEAR</th>
<th>MILES-CYCLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHASSIS: (BUMPER/BUMPER)</td>
<td>Ford</td>
<td>3</td>
<td>50,000</td>
</tr>
<tr>
<td>TRANSMISSION:</td>
<td>Ford</td>
<td>3</td>
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<td>ENGINE:</td>
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<td>ENGINE COMPONENTS:</td>
<td>Ford</td>
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<td>60,000</td>
</tr>
<tr>
<td>CORROSION:</td>
<td>Ford</td>
<td>5</td>
<td>unlimited</td>
</tr>
<tr>
<td>ROADSIDE ASSITANCE / TOWING:</td>
<td>Ford</td>
<td>5</td>
<td>60,000</td>
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<tr>
<td>SAFETY RESTRAINT SYSTEM:</td>
<td>Ford</td>
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<td>60,000</td>
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<tr>
<td>ALTERNATORS:</td>
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<td>50,000</td>
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<tr>
<td>EMISSIONS:</td>
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<td>5</td>
<td>50,000</td>
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<tr>
<td>BUS BODY: (BASIC BODY)</td>
<td>Starchair</td>
<td></td>
<td>12,000</td>
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<tr>
<td>STRUCTURE</td>
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<td>12,000</td>
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<tr>
<td>CORROSION</td>
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<td>PAINT</td>
<td>Starchair</td>
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<td>12,000</td>
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<td>SUSPENSION SYSTEMS:</td>
<td>Ford</td>
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<td>50,000</td>
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<tr>
<td>LIFTS:</td>
<td>Braun</td>
<td>2</td>
<td>10,000 Cycles / 4th &amp; 5th year parts are covered</td>
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<tr>
<td>LIFT COMPONENTS:</td>
<td>Braun</td>
<td>3</td>
<td>10,000 Cycles / 4th &amp; 5th year parts are covered</td>
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<td>DOORS:</td>
<td>A&amp;M Systems</td>
<td>1</td>
<td>12,000</td>
</tr>
</tbody>
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State of Maine RFQ #17A - insert number assigned Advantage System
<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>MANUFACTURER</th>
<th>YEAR</th>
<th>MILES-CYCLES</th>
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<td>ELECTRICAL SYSTEM</td>
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<td>SEATS:</td>
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<td>COVERS &amp; UPHOLSTERY - LEVEL</td>
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<td>FRAME</td>
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<tr>
<td>FOAM</td>
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<td>AUDIO EQUIPMENT:</td>
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<td>RESTRAINT SYSTEM:</td>
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<td>unlimited</td>
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<td>UNDER COATING:</td>
<td>St unmers</td>
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<td>12,500</td>
</tr>
<tr>
<td>SIGNAGE:</td>
<td>St unmers</td>
<td>1</td>
<td>12,500</td>
</tr>
</tbody>
</table>
NAME/LOCATION OF REPAIR FACILITY(S) (Both Authorized Warranty, Parts & Service Per Requested Location). These facilities must be located within a 75-mile radius of the vehicle location:

A. VEHICLE CHASSIS

VEHICLE LOCATION: ALL Locations on contract

WARRANTY AND SERVICE FACILITY: Advanced Modifications, W.C. Cresey and Son and Arundel Ford (See attached for signed agreements for repair and service)

ADDRESS: 1766 Hammond St., Harrow, ME 04431; 2 Commerce Dr, Kennebunk, ME 04043 and 1561 Portland Rd, Arundel, ME 04046

CONTACT NAME: Gina Bennett - gina@advancedmodifications.com, Brian Cresey - briancresey@wecreesey.com, Pete Madore - pmadore@arundelford.com

TELEPHONES: (207) 848-8226, (207) 985-6111, (207) 985-717

VEHICLE PARTS PROVIDER: Matthews Buses Commercial

ADDRESS: 4802 W. Colonial Dr, Orlando, FL 32808

CONTACT NAME: Jim Marshall

TELEPHONE: 800-330-1173 X409

B. VEHICLE BODY & COMPONENT

VEHICLE LOCATION: ALL Locations on contract

WARRANTY AND SERVICE FACILITY: Advanced Modifications, W.C. Cresey and Son

ADDRESS: 1766 Hammond St., Harrow, ME 04431; 2 Commerce Dr, Kennebunk, ME 04043 (Additional attachments with location and repair/service agreement attached)

CONTACT NAME: Gina Bennett - gina@advancedmodifications.com, Brian Cresey - briancresey@wecreesey.com, Pete Madore - pmadore@arundelford.com

TELEPHONES: (207) 848-8226, (207) 985-6111, (207) 985-717

State of Maine RFQ #17A - insert number assigned Advantage System: 58
VEHICLE PARTS PROVIDER: Matthews Buses Commercial

ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808

CONTACT NAME: Jim Marshall TELEPHONE: 800-339-1175 X409

C. VEHICLE AIR CONDITION

VEHICLE LOCATION: ALL locations on contract

WARRANTY AND SERVICE FACILITY: Advanced Modifications, W.C. Cresser and Son

ADDRESS: 1766 Hammond St., Portland, ME 04401, 2 Commerce Dr. Kennebunk, ME 04043

CONTACT NAME: Gina Bennett gina@advancecommodifications.com, Brian Cresser

brian@advancecommodifications.com TELEPHONE: (207)-848-8141, (207)-985-6111

VEHICLE PARTS PROVIDER: Matthews Buses Commercial

ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808

CONTACT NAME: Jim Marshall TELEPHONE: 800-339-1175 X409

D. VEHICLE WHEEL CHAIR LIFT OR RAMP

VEHICLE LOCATION: ALL locations on contract

WARRANTY AND SERVICE FACILITY: Advanced Modifications, W.C. Cresser and Son

ADDRESS: 1766 Hammond St., Portland, ME 04401, 2 Commerce Dr. Kennebunk, ME 04043

CONTACT NAME: Gina Bennett gina@advancecommodifications.com, Brian Cresser

brian@advancecommodifications.com TELEPHONE: (207)-848-8141, (207)-985-6111

VEHICLE PARTS PROVIDER: Matthews Buses Commercial

ADDRESS: 4802 W. Colonial Dr., Orlando, FL 32808

CONTACT NAME: Jim Marshall TELEPHONE: 800-339-1175 X409

E. VEHICLE CAMERA SYSTEM

VEHICLE LOCATION: ALL locations on contract

WARRANTY AND SERVICE FACILITY: Advanced Modifications, W.C. Cresser and Son

State of Maine RFQ #17A - Insert number assigned Advantage System
F. VEHICLE SIGNAGE

VEHICLE LOCATION:  ALL locations on contract

WARRANTY AND SERVICE FACILITY  Advanced Modifications, W.C. Cressey and Son
ADDRESS  1766 Hammond St., Harman, ME 04401, 2 Commerce Dr. Kennbunk, ME 04046
CONTACT NAME  Gina Bennett  gina@advancedmodifications.com, Brian Cressey  briancressey@wecrestee.com  TELEPHONE  (207) 848-8226, (207) 985-6111

VEHICLE PARTS PROVIDER:  Matthews Buses Commercial
ADDRESS  4802 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME  Jim Marshall  TELEPHONE:  800-330-1175 X409

G. VEHICLE ENGINE

VEHICLE LOCATION:  ALL locations on contract

WARRANTY AND SERVICE FACILITY  Advanced Modifications, W.C. Cressey and Son, Arundel Ford
ADDRESS  1766 Hammond St., Harman, ME 04401, 2 Commerce Dr. Kennbunk, ME 04046
CONTACT NAME  Gina Bennett  gina@advancedmodifications.com, Brian Cressey  briancressey@wecrestee.com  TELEPHONE  (207) 848-8226, (207) 985-6111

VEHICLE PARTS PROVIDER:  Matthews Buses Commercial
ADDRESS  4802 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME  Jim Marshall  TELEPHONE:  800-330-1175 X409

H. VEHICLE TRANSMISSION

VEHICLE LOCATION:  ALL locations on contract

WARRANTY AND SERVICE FACILITY  Advanced Modifications, W.C. Cressey and Son, Arundel Ford

State of Maine RFQ #17A - insert number assigned Advantage System
BP 54 - AGREEMENT TO PURCHASE SERVICES

ADDRESS_1786 Hammond St., Hermon, ME 04401, 2 Commerce Dr. Kenneth's, ME 04041, 1361 Portland Rd, U.S. Route 1, Arundel, ME, 04045

CONTACT NAME_Gina Bennett - gina@advancedmodifications.com, Brian Casey - brian@wearecasey.com TELEPHONE_(207) 848-8736, (207) 985-6111

VEHICLE PARTS PROVIDER: Matthews Buses Commercial
ADDRESS: 4822 W. Colonial Dr., Orlando, FL 32808
CONTACT NAME_Jim Marshall TELEPHONE: 850-330-1175 X409

September 19, 2008
Dated

Signature
Douglas K. Gifford
Print Name
Matthew Bus Alliance, Inc.
Company Name
2.4 APPLICABLE REGULATIONS: SAFETY, EXHAUST & NOISE STANDARDS

Vehicles must meet all appropriate State and Federal Motor Vehicle Safety Standards, including standards for impact, rollover, brakes, windshield, windows and lights. FMVSS

Vehicles must meet Federal noise and exhaust emission standards.

Vehicle must meet Federal accessibility specifications as published in the Americans with Disabilities Act (ADA) and 49 CFR Parts 27.57 and 38 as they apply to this purchase.

Please certify that vehicle being bid meets all Federal and State Safety Standards, Federal Noise & Exhaust/Emissions Standards, ADA regulations, ALL according to regulations cited above.

Date

Mark Barczak
Printed Name of Person Bidding

Signature

Government Bid Administrator
Title

State of Maine RFQ #17A - insert number assigned Advantage System
2.5 **DISADVANTAGED BUSINESS/WOMEN OWNED BUSINESS ENTERPRISE GOALS**

The undersigned hereby certifies that its Disadvantaged Business Enterprise/Women Owned Business Enterprise Goals have not been disapproved by the U.S. Department of Transportation Federal Transit Administration pursuant to 49 CFR, Part 26.49.

9/6/2018  
Date  

Mark Barczak  
Printed Name of Person Bidding  

Authorized Signature  

**Government Bid Administrator**  
Title

**TRANSIT VEHICLE MANUFACTURERS (TVM)**

Certification of Compliance with Disadvantaged Business Regulations

This procurement is subject to the provisions of 49 CFR Section 26.49. Accordingly, the following certification must be completed and submitted with the bid, as a condition of bidding. A bid which does not include the certification will not be considered.

**TVM Certification**

The bidder, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE/WBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

The bidder, if a non-manufacturer supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above referenced requirement of 49 CFR Section 26.49.

Mark Barczak  
Printed Name of Person Bidding  

Signature  

**Government Bid Administrator**  
Title
2.6 **BUY AMERICA:**

The successful bidder agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11.

Rolling stock must be assembled in the United States and have a 60 percent domestic content. Certification requirement for procurement of buses, other rolling stock and associated equipment:


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 661.11.

Date: [Insert Date]

Signature: [Signature]

Company Name: **Starttrans Bus Division of Forest River Inc.**

Title: **Government Bid Administrator**

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) and 49 C.F.R. 661.11, but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date: [Insert Date]

Signature: 

Company Name: 

Title: 

---

State of Maine RFQ #17A - insert number assigned Advantage System: 61
2.7 **BUS TESTING PROVISION**

The Bidder and Manufacturer agree to comply with 49 U.S.C. A 5523(c) and FTA’s implementing regulation at 49 CFR Part 665 and shall perform the following:

1) A manufacturer of a new bus model or a bus produced with a major change in components or configuration shall provide a copy of the final test report to the recipient at a point in the procurement process specified by the recipient which will be prior to the recipient’s final acceptance of the first vehicle.

2) A manufacturer who releases a report under paragraph 1 above shall provide notice to the operator of the testing facility that the report is available to the public.

3) If the manufacturer represents that the vehicle was previously tested, the vehicle being sold should have the identical configuration and major components as the vehicle in the test report, which must be provided to the recipient prior to recipient’s final acceptance of the first vehicle. If the configuration or components are not identical, the manufacturer shall provide a description of the change and the manufacturer’s basis for concluding that it is not a major change requiring additional testing.

4) If the manufacturer represents that the vehicle is “grandfathered” (has been used in mass transit service in the United States before October 1, 1988, and is currently being produced without a major change in configuration or components), the manufacturer shall provide the name and address of the recipient of such a vehicle and the details of that vehicle’s configuration and major components.

**CERTIFICATION OF COMPLIANCE WITH FTA’S BUS TESTING REQUIREMENTS**

The undersigned [Bidder/Manufacturer] certifies that the vehicle offered in this procurement complies with 49 U.S.C. A 5523(c) and FTA’s implementing regulation at 49 CFR 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 CFR Part 31. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 CFR Part 29.

**State of Maine RFQ 417A - insert number assigned Advantage System**

**BP54 (Rev 10/2017)**

**Mark Baroody**

Company Name: Startrans Bus Division of Forest River Inc.

Title: Government Bid Administrator

Bidders must include the Altona test report with their bid for vehicle being proposed.
2.8 SPECIFICATION COMPLIANCE

The bidder hereby certifies that the vehicle(s) being bid in response to this invitation meet or exceed these specifications and that where a deviation from the specifications exists, the bidder has obtained written approval of these exceptions, in accordance with paragraph 1.13(d), prior to submitting this bid.

If a conflict exists between these specifications and Federal and/or State laws, the Federal and/or State laws shall prevail, and the bidder must alert the purchaser to any such conflicts.

_________________________                     ______________________________
Date                                      Printed Name of Person Bidding

______________________________
Signature

______________________________
Commercial Sales Manager
Title
2.9 LOBBYING:


APPENDIX A, 49 CFR PART 20—CERTIFICATION REGARDING LOBBYING Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding $100,000)

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

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, grant, loan, or cooperative agreement, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1419 (1/19/96)]. Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1501, et seq.)

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subcontractors shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

[Note: Pursuant to 21 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure]
The Bidder, Matthews Bus Alliance, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Bidder understands and agrees that the provisions of 5 U.S.C. A 3801, et seq., apply to this certification and disclosure, if any.

Signature of Bidder's Authorized Official: ____________
Douglas K. Gifford
Name and Title of Bidder's Authorized Official: ____________
September 19, 2018
Date: ____________

2.10 RECYCLED PRODUCTS:

(42 U.S.C. 6962; 40 CFR Part 247; Executive Order 12873)

The successful bidder agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

Signature: ____________
Title: Commercial Sales Manager

Company Name: Matthews Bus Alliance, Inc.

Date: September 19, 2018

State of Maine RFQ 577A - insert number assigned Advantage System
Please identify the country in which the services purchased through this contract will be performed:

- [ ] United States. Please identify state: IN
- [ ] Other. Please identify country: ____

Notification of Changes to the Information
The Provider agrees to notify the Division of Procurement Services of any changes to the information provided above.
September 18, 2018

State of Maine
Department of Administrative and Financial Services
Bureau of Business Management
Division of Procurement Services

RE: RFO #: 7A1806290000000000691
Technical Proposal

Proposed buses by Startrans Bus Corporation .... A division of Forest River Inc. and part of Berkshire Hathaway Company.

Please acknowledge that there are documents within this submission that state Starcraft as the manufacturer. This is due to the fact that the Startrans product is manufactured alongside the Starcraft bus and is therefore referenced under the same Altoona test, uses the same engineering department, and offer some paralleling models. The differentiating factor is that the Startrans is a higher caliber bus utilizing an integrally welded corrosion resistant aluminized steel structure, pressure laminated exterior panels in lieu of bonded, and has enhanced fit and finish.

The Startrans Buses proposed also have the advantage of a completely composite exterior that is impervious to corrosion. This is paramount due to the high levels of salt and calcium chloride pre-treatment used during winter storms.

- Literature is enclosed.
- Proposed build specifications are enclosed.
- Floorplan and weight analysis are enclosed.
- Body specification and construction prints are enclosed.
- Bus body exterior skin literature and specifications are enclosed.
- Door specifications are enclosed.
- Air conditioning specifications are enclosed.
- USR seatbelt specifications are enclosed.
- Undercoating specifications are enclosed.
• Sample electrical schematics are enclosed (as-built supplied with each bus).
• FMVSS, ISO, TVM, and QVM certifications are enclosed.
• FMVSS 220 certification is enclosed.
• Quality assurance documentation is enclosed.
• Altoona test summary information is enclosed (full tests available on Altoona website).
• Service and warranty commitment letters are enclosed.
• Maintenance recommendations schedule is enclosed.
• Additional options submission is enclosed.
• Warranty processing procedure is enclosed.
• References are enclosed.

If any questions should arise relative to this bid submission, please contact me at the regional office.

Sincerely,

[Signature]
Douglas K. Gifford
Commercial Sales Manager
800-330-1175 X-419
dgifford@matthewsbusescommercial.com

A Division of: Matthews Bus Alliance, Inc.
4802 West Colonial Drive
Orlando, FL 32808

Page 2 of 2
As a leader in the medium-duty transit bus industry, the Senator II is backed by Startrans' commitment to excellence. That's why design, durability and attention to detail are at the forefront of how we do business.

**Design.** When it comes to design, the Senator II delivers. Engineered to accommodate a variety of seating arrangements, including wheelchair accessibility and various storage options in luggage, the Senator II gives you the versatility you need to meet your passengers' needs.

**Durability.** All of our products undergo a series of rugged testing procedures in Altoona, Pennsylvania, to ensure their structural integrity and we back our buses with a 5-year/75,000 mile body structural warranty.

**Detail.** Startrans Bus doesn't take a backseat when it comes to passenger convenience and comfort. Wide aisles and doors for easy accessibility, spacious luggage racks, large windows and straight side wall construction to maximize passenger shoulder space are just some of the benefits of the Senator II.

If you need buses that perform well, look great and deliver on promises, look to the Senator II from Startrans Bus.

**Senator II Features | Features to Meet Your Specific Needs**

- Optional ADA wheelchair lift mounted in the rear of the bus
- Optional high back seats, upholstery, padded cloth, walk and ceiling, and overhead luggage racks
- Driver's switch panel conveniently located with a view of the interior of all the engine covers
The Senator II

- **Standard Exterior Feature Highlights**
  - Fully welded aluminized steel cage construction with laminated sidewall structure meeting all applicable FMVSS requirements
  - "Starview" driver's visibility window in front of entry door
  - Electric actuated passenger entry door with full length glass
  - 36" wide x 36" high upper double T-Slider tempered safety glass windows with climate control tint
  - Black powder coated steel rear bumper
  - Rear mud flaps
  - Pre-painted white galvanized steel sidewalls and skirts
  - Fiberglass front and rear caps
  - One-piece seamless FRP (fiberglass reinforced plastic) roof
  - Breakaway rearview mirrors with built-in convex
  - Sealed LED stop, tail, and turn signal lights with reverse lights
  - Exterior LED front and rear marker lights

- **Standard Interior Feature Highlights**
  - 93" interior width
  - 80" interior floor to ceiling height with standard floor (raised floor is 75")
  - Floor and wall seat track for flexible seating
  - Black slip resistant floor covering
  - 1/8" exterior grade plywood flooring
  - Ceiling and rear wall fabric for sound abatement
  - White step nosing at passenger door
  - 1.25" left hand vertical passenger assist rail at entry door
  - Printed circuit board with automotive type fuses and LED trouble shooting lights
  - LED Entry door step well lights
  - LED driver and passenger area lighting
  - Non-refractable seat belts

- **Popular Option Highlights**
  - Stainless steel wheelchair inserts
  - Luggage storage areas, overhead luggage racks with reading lights, interior luggage racks, rear storage area
  - Rear emergency door with window(s)
  - Passenger area rear heat and air conditioning
  - Complete rubber flooring
  - Passenger grab rails
  - Padded vinyl or FRP walls and ceiling
  - Audio and video systems
  - Mid back or high back seating
  - ADA and FMVSS compliant wheelchair lifts and securement systems
  - Fiberglass side walls and skirts

---

Due to our commitment to product quality, specifications and options are subject to change without notice in the interest of product improvement and market changes. StarTrans Bus, a division of Forest River, Inc., is owned by Berkshire Hathaway, one of the most respected and financially secure companies in the industry.

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1-800-348-7440 • Fax: 574.242.3301
NCL1000-2 Century Series

Commercial Wheelchair Lifts

1,000 lb Lifting Capacity
Larger Platform
Now Available in 37” Width

BraunAbility
Life is a Moving Experience®
Integrated dual handrails provide added security for wheelchair users and standees

Visual and audible warnings alert both passengers and attendants to unsafe conditions

Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground

BraunAbility
Life is a Moving Experience

631 West 11th Street • Winamac, IN 46996
(574) 946-6153 • 1-800-THE-LIFT
www.braunability.com/commercial
**PROPOSED VEHICLE: STARTRANS SENATOR II Bus with the Standard Equipment and Options Listed Below**

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Ford E-450 Chassis</strong> Ford E-450 / 14,500 GVWR Chassis, 6.8L Gasoline Engine, 6 Speed Automatic Transmission, 225 Ampere Alternator, Dual Batteries, Dash HVAC, Chrome Bumper, F&amp;R Disc Brakes, Halogen Headlights.</td>
</tr>
<tr>
<td>1</td>
<td><strong>Senator II 25</strong> Startrans Senator II Bus with Standard Equipment listed above / 305° Overall Length</td>
</tr>
<tr>
<td>1</td>
<td>INTEGRALLY WELDED ALUMINIZED STEEL CAGE STRUCTURE MEETING ALL APPLICABLE FMVSS REGULATIONS</td>
</tr>
<tr>
<td>1</td>
<td>7 YEAR / 200,000 MILE ALTOONA TESTED, FORD QVM COMPLIANT, ISO CERTIFIED, BUY AMERICA COMPLIANT</td>
</tr>
<tr>
<td>1</td>
<td>RE-RUNGE EXHAUST TO DRIVERS SIDE OF BUS EXITING FORWARD OF THE REAR BUMPER</td>
</tr>
<tr>
<td>1</td>
<td>EXHAUST HEAT SHIELD AT THE FUEL TANK… METAL</td>
</tr>
<tr>
<td>1</td>
<td>EXHAUST HANGER EVERY 30° AND 10° FROM THE TIP</td>
</tr>
<tr>
<td>1</td>
<td>HEAVY DUTY ANTI-SLP ALUMINUM RUNNING BOARD ON DRIVER SIDE (LARGE)</td>
</tr>
<tr>
<td>2</td>
<td>900 CCA GLASS MAT BATTERIES</td>
</tr>
<tr>
<td>1</td>
<td>ENGINE HIGH IDLER RAISES ENGINE IDLE TO 1500 RPM FOR PROPER ALTERNATOR AND AC PERFORMANCE</td>
</tr>
<tr>
<td>2</td>
<td>STONE GUARD BOTH SIDES, DIAMOND PLATE</td>
</tr>
<tr>
<td>2</td>
<td>FULL LENGTH RAIN GUTTER, STD ABOVE WINDOWS</td>
</tr>
<tr>
<td>1</td>
<td>ENTRANCE DOOR ACCESS PANEL</td>
</tr>
<tr>
<td>1</td>
<td>FRONT RUBBER MUD FLAP (1), PASSENGER SIDE ONLY (TO BE USED WITH RUNNING BOARD)</td>
</tr>
<tr>
<td>1</td>
<td>DUAL COOLANT SHUT OFF VALVES (1 STD)</td>
</tr>
<tr>
<td>1</td>
<td>STAINLESS STEEL BATTERY BOX FOR AUXILIARY BATTERIES / SKIRT MOUNTED / WITH STAINLESS STEEL SLIDING TRAY</td>
</tr>
<tr>
<td>2</td>
<td>BOLTED DRIVESHAFT GUARDS / NOT WELDED</td>
</tr>
<tr>
<td>1</td>
<td>SPARE TIRE AND WHEEL MATCHING OEM TIRES AND WHEELS / SHIPPED LOOSE IN BUS</td>
</tr>
<tr>
<td>1</td>
<td>ROTARY BATTERY DISCONNECT SWITCH</td>
</tr>
<tr>
<td>1</td>
<td>CIRCUIT BREAKERS IN LIEU OF FUSES</td>
</tr>
<tr>
<td>1</td>
<td>LAMINATED WIRING SCHEMATIC <strong>AS BUILT</strong> ON ELECTRICAL PANEL DOOR</td>
</tr>
<tr>
<td>1</td>
<td>ROMEO RIM REAR BUMPER / SHOCK ABSORBING BUMPER CONSTRUCTED OF BLACK RUBBER</td>
</tr>
<tr>
<td>1</td>
<td>MOR RYDE RL SUSPENSION SYSTEM / REAR OF BUS</td>
</tr>
<tr>
<td>1</td>
<td>ALIGNMENT AFTER THE BODY BUILD, DOCUMENTATION WITH THE BUS</td>
</tr>
<tr>
<td>1</td>
<td>ROSCO TRANSIT GRADE HEATED AND REMOTE REARVIEW EXTERIOR MIRRORS WITH INTEGRAL LOWER CONVEX, FORD</td>
</tr>
<tr>
<td>1</td>
<td>INTERIOR REARVIEW MIRROR / 7” X 10” CONVEX MIRROR MOUNTED OVER DRIVER</td>
</tr>
<tr>
<td>1</td>
<td>UPGRADE TO 5/8” MARINE TECH GRADE PLYWOOD SUBFLOORING WITH SEALED EDGES</td>
</tr>
</tbody>
</table>

The proposed vehicle offers a capacity of 12 passenger plus 2 wheelchair seats plus the driver.
| 1 | STANDEE LINE / YELLOW FLUSH MOUNTED LINE AT FORWARD EDGE OF PASSENGER COMPARTMENT |
| 1 | GERMFLOOR SIRIUS TRANSIT FLOORING / GRAPHITE BLACK WITH HOT WELDED SEAMS / SMOOTH THROUGHOUT |
| 1 | COVE BLACK FLOORING ON SIDEWALL TO SEAT TRACK |
| 3 | YELLOW STEP NOISING (EACH STEP) |
| 1 | HEADLINER / GRAY SEA SPRAY CLOTH WITH GRAY FRP WALLS, GRAY VINYL TRIM, AND GRAY VINYL CABLINER |
| 1 | FRP REAR WALL WITH GRAY VINYL TRIM / GRAY SEA SPRAY FABRIC HEADLINER AND GRAY VINYL CABLINER |
| 1 | FUEL TANK ACCESS PLATE IN FLOOR |
| 1 | ELECTRICALLY CONTROLLED PASSENGER ENTRANCE DOOR / 40" WIDE CLEAR OPENING X 80" HIGH |
| 1 | REAR DOOR WITH UPPER AND LOWER WINDOWS, LH HINGE, STAINLESS STEEL AND FILON EXTERIOR PANEL |
| 1 | DOOR AJAR WARNING ON REAR DOOR - BUZZER AND LIGHT IN DRIVER AREA |
| 1 | GAS CYLINDER LIN KLIN DUOR |
| 1 | TWIN REAR WINDOWS EACH SIDE OF REAR DOOR OR REAR WALL WINDOW |
| 1 | HEATER / 85,000 BTU CAPACITY HEATER IN PASSENGER COMPARTMENT / FLOOR MOUNT |
| 1 | ACT 60K BTU / CR-2, EZ-5, DEDICATED COMPRESSOR |
| 2 | HEATER / ENTRANCE STEPWELL HEATER / PER STEP / ELECTRIC TYPE |
| 1 | SAFETY INTERLOCK FOR WHEELCHAIR LIFT / RESTRICTS VEHICLE MOVEMENT WHEN LIFT IS DEPLOYED |
| 1 | INTROMITIVE WHEELCHAIR SAFETY INTERLOCK AND ENGINE IDLER / PROHIBITS VEHICLE MOTION FOR LIFT OPERATION |
| 1 | WHEELCHAIR ACCESS DOOR / DUAL PANEL WITH WINDOWS, AJAR BUZZER, AND ADDITIONAL CURBSIDE LEAF SPRING |
| 1 | BRAUN CENTURY NC-1000 3454HB-2 1000# LIFT (34" X 54") |
| 1 | BRAUN LIFT PLATFORM SAFETY BELT TRANSVERSING YELLOW PLATFORM HANDRAILS |
| 2 | Q'SRAINT QRT 360 SYSTEM WITH SLIDE-N-CLICK ATTACHMENT / Q-6-6326-A1-SC WITH RETRACTABLE SHOULDER BELT |
| 1 | 47 5/8" DOUBLE WC DOORS WITH STAINLESS STEEL FRAME & FILON EXTERIOR PANEL, INCLUDES WINDOWS, LEAF SPRING, INTERIOR AND EXTERIOR LIGHTS |
| 1 | Q'SRAINT BELT CUTTER (SHIP LOOSE) |
| 1 | OEM HIGH BACK RECLINER / LUMBAR SUPPORT AND RIGHT SIDE ARMREST |
| 1 | DRIVERS SIX WAY FCWIER SEAT BASE / UP, DOWN, FORE, AFT, AND CUSHION TILT |
| 6 | MID BACK DOUBLE PASSENGER SEAT / FREEDOM SEATING / TWO PASSENGER SEAT |
| 12 | SEATBELTS / USR AINSAFE / UNDER SEAT RETRACTABLE PASSENGER SEATBELTS |
| 12 | SEATBELT EXTENSIONS FOR PASSENGER SEATBELTS / 12" LONG / EACH |
| 6 | GRAB HANDLE / MOLDED RUBBER SEAT TOP GRAB HANDLE AT EACH AISLE POSITION |
| 12 | SEAT COVER - LEVEL 4 ICE PINSTRIPE, MOR-CARE, LEATHERMATE |
| 2 | TDSS MOUNTED IN SEAT TRACK ADJACENT TO WHEELCHAIR POSITIONS |
| 1 | OEM RADIO WITH 4 SPEAKERS IN PASSENGER COMPARTMENT |
| 1 | DRIVER STORAGE IN CAB OVERHEAD WITH KEY LOCK |
| 1 | DRIVERS MODESTY PANEL SECURED TO STAINLESS STEEL STANCHION POLES |
| 1 | PLEXIGLASS PANEL ABOVE DRIVERS MODESTY PANEL /
<p>| | CLEAR / INCLUDES CUT-OUT FOR HAND HOLD |
| 1 | INTERIOR HANDLES ON WHEELCHAIR DOOR AND REAR DOOR - RED |
| 1 | SAFETY EQUIPMENT / BACKUP ALARM, 16 UNIT FIRST AID KIT, 5# FIRE EXTINGUISHER, AND TRIANGLE REFLECTORS |
| 1 | BODY FLUID KIT, FIRE BLANKET, CHOCK BLOCKS |
| 1 | ALARM / ROSCO BSSK-1000 SONAR SYSTEM / ALERTS DRIVER OF OBJECTS BEHIND VEHICLE |
| 1 | BACKUP CAMERA SYSTEM WITH DASH MOUNTED LCD MONITOR / ALLOWS VIEW TO REAR OF VEHICLE |
| 1 | GRABRAILS / DUAL ANGLED STAINLESS STEEL GRABRAILS BOTH SIDES OF ENTRY STEPWELL |
| 1 | GRABRAILS / DUAL CEILING MOUNTED STAINLESS STEEL GRABRAILS BOTH SIDES OF AISLE |
| 1 | RED LED LIGHT OVER ALL EMERGENCY EXITS |
| 1 | COMPOSITE EXTERIOR SKIN / HIGH GLOSS COMPOSITE SHEET / CORROSION PROOF |
| 1 | STAINLESS STEEL ENTRY STEP ASSEMBLY - INCLUDES SIDES AND HEADER |
| 1 | LIGHTING CONTROL / INTERIOR LIGHTS TO ILLUMINATE WHEN ENTRANCE DOOR OPENS |
| 2 | 4&quot; ROUND LED ENTRANCE DOOR EXTERIOR LIGHT, 2 WC, 1 ENTRY |
| 1 | LED INTERIOR LIGHTS / BROAD SPECTRUM LED LIGHTING WITH DRIVER MASTER CONTROL |
| 1 | LED DRIVER LIGHT / BROAD SPECTRUM LED LIGHT OVER DRIVER WITH DASH SWITCH AND DOOR ACTIVATION |
| 1 | LED STEPWELL LIGHT ACTIVATED BY DOOR OPENING / LED LICENSE PLATE LIGHT |
| 1 | LED TAIL LIGHTS / RED MARKER &amp; BRAKE, AMBER TURN SIGNALS, CLEAR BACKUP / ALL RUBBER GROMMET MOUNTED |
| 1 | LED CENTER BRAKE LIGHT MOUNTED ABOVE REAR DOOR / WINDOW (RECTANGULAR) |
| 1 | LED CLEARANCE AND MARKER LIGHTS / 5 AMBER ON FRONT AND 7 RED AT REAR (RECESSED FOR PROTECTION) |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LED MID BODY MOUNTED MARKER AND TURN SIGNALS WITH ARMOR GUARD</td>
</tr>
<tr>
<td>1</td>
<td>LIGHT - EXTERIOR HYDRODYNAMIC Wash and cylindre LIGHT AT ENTRANCE DOOR (ADA REQUIRED)</td>
</tr>
<tr>
<td>1</td>
<td>FOUR WAY FLASHER SIGNALS FLASH WITH OPEN DOOR (WHEELCHAIR DOOR)</td>
</tr>
<tr>
<td>1</td>
<td>INDEPENDENT RED BRAKE AND AMBER TURN SIGNAL LIGHTS</td>
</tr>
<tr>
<td>2</td>
<td>ADDITIONAL INTERIOR LED DOME LAMP - EACH</td>
</tr>
<tr>
<td>1</td>
<td>BRIGHT WHITE EXTERIOR TO ENHANCE GRAPHICS CONTRAST (MATCHING CHASSIS CAB INCLUDING DOOR JAMBS)</td>
</tr>
<tr>
<td>1</td>
<td>ZIEBART RUSTPROOFING</td>
</tr>
<tr>
<td>1</td>
<td>ZINC COATING OF ALL STEEL STRUCTURAL MEMBERS</td>
</tr>
<tr>
<td>1</td>
<td>PRIORITY SEATING SIGN <strong>REQUIRED FOR ADA COMPLIANCE</strong></td>
</tr>
</tbody>
</table>

Quoted by Dean Capparelle / Commercial Sales / dcapparelle@matthewsbusesscommercial.com

All factory concessions have been calculated into this proposal and may require endorsement at the time of delivery.

Thank You for this opportunity!!
<table>
<thead>
<tr>
<th>CHASSIS</th>
<th>UNIT #</th>
<th>MODELL</th>
<th>FUEL TYPE</th>
<th>FUEL CAP.</th>
<th>FUEL WGT PER GAL.</th>
<th>FUEL LOAD ADJ. DATA (FLA.)</th>
<th>WHEELBASE</th>
<th>PER M. VALUE (SAL.)</th>
<th>AXLE WEIGHS</th>
<th>FUEL AMT.</th>
<th>WGT OF FUEL</th>
<th>FUEL ADJ. AMT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-150</td>
<td>0248</td>
<td>ALLSTAR</td>
<td>GAS</td>
<td>55</td>
<td>0.81</td>
<td>0.66</td>
<td>50.54</td>
<td>0.57</td>
<td>0.57</td>
<td>0.57</td>
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<td>-41.78</td>
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**AXLE CAPACITIES**

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<tr>
<th>FRONT</th>
<th>REAR</th>
<th>TOTAL</th>
<th>LEFT</th>
<th>TOTAL</th>
<th>RIGHT</th>
<th>RIGHT</th>
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<tbody>
<tr>
<td>1500</td>
<td>2500</td>
<td>4000</td>
<td>1500</td>
<td>2500</td>
<td>4000</td>
<td>4000</td>
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<tr>
<td>5900</td>
<td>9600</td>
<td>15500</td>
<td>5900</td>
<td>9600</td>
<td>15500</td>
<td>15500</td>
</tr>
</tbody>
</table>

**LEFT (ROADSIDE)**

<table>
<thead>
<tr>
<th>DRIVER</th>
<th>DFL</th>
<th>DB</th>
<th>DB</th>
<th>MID DBL</th>
<th>MID DBL</th>
<th>WRC</th>
<th>RHOE RIM BUMPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.27%</td>
<td>51%</td>
<td>12%</td>
<td>14%</td>
<td>56%</td>
<td>56%</td>
<td>50%</td>
<td>20%</td>
</tr>
<tr>
<td>118.91</td>
<td>28.29</td>
<td>56.15</td>
<td>62.78</td>
<td>62.78</td>
<td>62.78</td>
<td>62.78</td>
<td>62.78</td>
</tr>
</tbody>
</table>

**RIGHT (CURBSIDE)**

<table>
<thead>
<tr>
<th>FRONT</th>
<th>REAR</th>
<th>TOTAL</th>
<th>LEFT</th>
<th>TOTAL</th>
<th>RIGHT</th>
<th>RIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1541.67</td>
<td>3540.11</td>
<td>5081.28</td>
<td>0.486</td>
<td>1850.50</td>
<td>4377.18</td>
<td></td>
</tr>
<tr>
<td>5000</td>
<td>9600</td>
<td>14600</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>139.00</td>
<td>280.00</td>
<td>419.00</td>
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</table>

**AXLE WEIGHTS**

<table>
<thead>
<tr>
<th>FRONT</th>
<th>REAR</th>
<th>LEFT/RIGHT TOTALS</th>
<th>LEFT/RIGHT TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1850.50</td>
<td>3540.11</td>
<td>5081.28</td>
<td>0.486</td>
</tr>
<tr>
<td>4377.18</td>
<td>280.00</td>
<td>14600</td>
<td></td>
</tr>
</tbody>
</table>

**AVAILAABLE CAPACITIES**

<table>
<thead>
<tr>
<th>FRONT ROADSIDE</th>
<th>REAR ROADSIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1541.67</td>
<td>3940.11</td>
</tr>
<tr>
<td>5000</td>
<td>4800</td>
</tr>
</tbody>
</table>

---

*Actual Weights from owner 339228
Equipped with mobility, 4WD High seat*
** When adding rear luggage add the size of the rear luggage to dim. B1

**NOTES:**

1. Drawing viewed from exterior side of unit.
2. A/C bolt pattern may vary see sales order.
3. Before cut roof hatch see sales order.
4. Screw location at seams and edges 8" on center.
   All other location 15" on center.
5. Sealant usage: 1/4" minimum 3/8" maximum bead on all roof frame to luan surfaces.
6. Add strap for Chevy only.

---

** critical control item

Usage: 2011 Allstar, Ford, 158" WB - Model 24

---

**SPECIAL ATTENTION:**

This drawing and the information therein are the exclusive property of Startrans Bus, a division of Forest River, Inc. It shall not be copied or duplicated in any manner. No shall it be submitted to outside parties for examination without written consent. It is loaned for use with reference to Startrans under contract with or proposals submitted to Startrans Bus, a division of Forest River.

---

**TOLERANCES:**

All dimensions are in inches. Tolerances unless otherwise specified. A minimum of 3/16" is necessary for examination without written consent. It is loaned for use with reference to Startrans under contract with or proposals submitted to Startrans Bus, a division of Forest River.
CRITICAL CONTROL ITEM

USAGE: FORD 158"WB/MODEL 24

NOTES:
1. DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.
2. ANGLE TO BE WELDED FLUSH WITH OUTSIDE EDGE OF WALL.

<table>
<thead>
<tr>
<th>S. No</th>
<th>QTY.</th>
<th>PART No.</th>
<th>MATERIAL DESCRIPTION</th>
<th>REF. No.</th>
<th>Q'TY.</th>
<th>PART No.</th>
<th>MATERIAL DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>0</td>
<td>02062351</td>
<td>TUBE: 18ga. x 1&quot; x 1&quot; x 24-3/8&quot; Lg. A-513</td>
<td>1</td>
<td>151</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 174&quot; Lg. A-513</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>02071055</td>
<td>FRAME, SIDEWALL WHEEL WELL FORD</td>
<td>17</td>
<td>16</td>
<td>02071055</td>
<td>WALL BOW: 18ga. x 1&quot; x 2&quot; x 21-7/8&quot; Lg. A-513</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>02062351</td>
<td>WALL BOW: 18ga. x 1&quot; x 2&quot; x 56-13/16&quot; Lg. A-513</td>
<td>16</td>
<td>16</td>
<td>02071055</td>
<td>SEAT TRACK: 113-1/2&quot; Lg.</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
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<td>TUBE: 16ga. x 1&quot; x 1&quot; x 174&quot; Lg. A-513</td>
<td>15</td>
<td>14</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 70-7/8&quot; Lg. A-513</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>02071055</td>
<td>ANGLE: 11ga. x 1-1/2&quot; x 2&quot; x 88-1/16&quot; Lg. A-513</td>
<td>13</td>
<td>13</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 70-7/8&quot; Lg. A-513</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>02062351</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 67-1/16&quot; Lg. A-513</td>
<td>12</td>
<td>12</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 70-7/8&quot; Lg. A-513</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>02062351</td>
<td>WALL BOW: 18ga. x 1&quot; x 2&quot; x 25-1/2&quot; Lg. A-513</td>
<td>11</td>
<td>11</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 70-7/8&quot; Lg. A-513</td>
</tr>
<tr>
<td>2</td>
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<td>02062351</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 56-13/16&quot; Lg. A-513</td>
<td>10</td>
<td>10</td>
<td>02071055</td>
<td>TUBE: 16ga. x 1&quot; x 1&quot; x 69-3/16&quot; Lg. A-513</td>
</tr>
</tbody>
</table>

TYPICAL OF ALL OPENINGS WHERE 1" x 1" TUBING USED.

SECTION B-B

OUTSIDE

STEEL ANGLE

OUTSIDE

2-8
NOTES:

1. DRAWING VIEWED FROM INTERIOR SIDE OF UNIT.

2. LOCATION OF A/C BRACKETS: ONE MOUNT FLUSH WITH OUTSIDE EDGE OF CROSSMEMBER. THE OTHER MOUNTS 1" FOR PRO AIR & 6-1/4" FOR TRANS AIR FROM OUTSIDE EDGE OF CROSSMEMBER.

3. SEE SHEET 2 OF 2 FOR DETAILS, TORQUE SPECIFICATIONS, SECTION VIEWS AND CUT LIST.

4. HIS DRAWING AND THE INFORMATION THEREIN ARE THE EXCLUSIVE PROPERTY OF STARTRANS INC., A DIVISION OF FOREST RIVER, INC. IT SHALL NOT BE DUPLICATED IN ANY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE PARTIES FOR ANY PURPOSE WITHOUT OUR WRITTEN CONSENT. IT IS LOANER FOR USE WITH REFERENCE TO WORK ORDER CONTRACT W/ OR PROPOSAL SUBMITTED TO STARTRANS INC., A DIVISION OF FOREST RIVER.
MAT'L-16GA. 2" x 2" TUBE
NOTES:
1. DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.
STARTRANS BUS EXTERIOR SKIN / IMPERVIOUS TO CORROSION

Noble® Select
Sheet Glass Exterior Fiberglass Sidewall Panels for Recreational Vehicles

All-Composite Wood Free Panel

An all-composite, wood-free exterior panel with superior surface and weathering performance. Noble Select is designed for both laminated and free-hung wall applications and is preferred where full-body paint is required.

No Wood Fibers
100% formaldehyde free
Up to 20% lighter than wood-backed sidewalls

High-Gloss Surface
Premium high-gloss, smooth gel-coated finish

High-Strength and Durability
Withstands extreme weather and road conditions

WHERE TRADITION & INNOVATION CONVERGE
Give Them More of What They RV For

To get more out of every mile and every moment, choose Crane Composites genuine fiberglass panels for your vehicle. Crane Composites is the leading manufacturer of fiberglass products for the RV industry. From surfboards to seaplanes, fiberglass has a well-earned reputation for combining high performance with high style. Our fiberglass interior and exterior sidewalls are tested to deliver unmatched durability and long-lasting beauty.

There are important decisions to make when purchasing a new caravan. Genuine CRANE Fiberglass provides more comfort than aluminum... its superior insulating properties help control inside temperatures while reducing excessive road noise. Better soundproofing means more peace and quiet wherever you're parked, or on the road. There are a number of common, real-world occurrences that can easily damage aluminum exteriors, thereby diminishing both the appearance and value of your RV - not to mention costly repairs.

MORE COMFORT
Better Insulated for Climate Control
More Soundproof for Reduced Noise
Better Protection from the Outside

MORE STYLE
Fewer Dents and Dings
Superior Surface Finish
Resistant to Fading and Oxidation

MORE FREEDOM
More Durable
Easier to Clean
Fewer Repairs
Less Shop Time

MORE VALUE
Less Expensive to Maintain
Higher Resale Value
Years of Fun, Care-Free Vacations

Choose the Right CRANE Fiberglass Product

<table>
<thead>
<tr>
<th>Sidewall Finish Types</th>
<th>Surface Finish Quality</th>
<th>Dent/Year Resistance</th>
<th>Repaintability</th>
<th>Scratch Resistance</th>
<th>Maintenance</th>
<th>Corrosion Resistance</th>
<th>General Weathering</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filon, G-III</td>
<td>Medium</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>High</td>
<td>High</td>
<td>2-Years Parts &amp; Labor</td>
</tr>
<tr>
<td>Noble, Classic</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>High</td>
<td>High</td>
<td>1-Year Parts &amp; Labor</td>
</tr>
<tr>
<td>Noble, Select</td>
<td>Premium</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>High</td>
<td>High</td>
<td>3-Years Parts &amp; Labor</td>
</tr>
<tr>
<td>Painted Aluminum</td>
<td>High</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>Medium</td>
<td>Medium</td>
<td>High</td>
<td>RV Manufacturer Warranty</td>
</tr>
</tbody>
</table>

Additional Information
Please visit our website at www.cranecomposite.com/RV for additional information and physical properties

www.cranecomposite.com | 1.800.435.0060 | 1.815.467.8600 | sales@cranecomposite.com

Crane Composites is the manufacturer of Filon, Noble and a variety of other fiberglass reinforced plastic (FRP) composite panels. Crane Composites has over 50 years of experience and is the recognized industry leader in FRP applications.

Form 7843 (Rev 3) 10/18 (0857). Filon and Noble are registered trademarks of Crane Composites, Inc.
STANDARD WIDE BODY BUS

NARROW BODY BUS AND RAISED FLOOR WIDE BODY BUS

NOTES:
1- DIMENSIONS FOR THE WINDOW CUTOUT DO NOT INCLUDE DOOR OR WINDOW TRIM.
2- 36 3/4 X 12 3/4 ROUGH WINDOW OPENING
3- CENTER WINDOW HORIZONTALLY IN DOOR.

SEE NOTE 3

Rough Opening for 33-34" Lifts 47.5" x 71.88"
Rough Opening for 37" Lifts 49.9" x 71.88"
Offset hinges are utilized, maximizing clear opening available.

\[3/16\]

\[24\frac{3}{4}\]

\[22\]

\[24\frac{3}{4}\]

\[\text{\textcopyright CRITICAL CONTROL ITEM}\]

Forest River Bus

\[\text{DDP DRAWING: DO NOT SCALE OR MANUALLY REVISE}\]

| TOLERANCE | UNLESS | Specification
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WOOD</td>
<td>OTHER</td>
<td>Date: 08-05</td>
</tr>
</tbody>
</table>
REAR DOOR

SINGLE WINDOW

24-3/8" H
X
22-3/8" W
REF

DOOR HANDLE

SEE NOTE 2

DOUBBLE WINDOW

24-3/8" H
X
22-3/8" W
REF

DOOR HANDLE

SEE NOTE 2

REAR DOOR ROUGH FRAME OPENING 38-1/2" X 59"

NOTES:
1. DIMENSIONS FOR THE WINDOW CUTOUT
   DO NOT INCLUDE DOOR OR WINDOW TRIM
2. CENTER WINDOW HORIZONTALLY IN DOOR
3. TWO (2) PANELS ARE REQUIRED FOR W/C DOOR.

Forest River Bus

TOLERANCE UNLESS OTHERWISE SPECIFIED

\[ \pm \frac{1}{16} \text{ INCHES} \]
BUS AIR CONDITIONING

EZ-5 EVAPORATOR

THE A.C.T. EZ-5 EVAPORATOR IS DESIGNED FOR FREE-BLOW CEILING MOUNT APPLICATIONS. WE HAVE MANUFACTURED THIS EVAPORATOR SPECIFICALLY FOR THE TRANSPORTATION INDUSTRY. IT’S ENHANCED PERFORMANCE, SERVICEABILITY, AND INSTALLATION EASE ARE THE RESULT OF MANY YEARS’ EXPERIENCE IN THIS INDUSTRY.

ADVANCED FEATURES

- Unique Louver Design Enhances Airflow Throughout The Vehicle
- Pressure Switches Located At The Evaporator For Maximum Compressor Protection
- Internally Enhanced Copper Tubing Coils Increases System Performance
- 100% O-Ring Connections For Maximum Leak Protection
- Low Profile Design For Added Headroom
- Unitized Drain Pan Construction Eliminates Condensate Problems

OPTIONS

- Adjustable or Fixed Air Outlet Louvers
- 12 Volt or 24 Volt Motors
- Heat Coil
- Grey or White Covers

SPECIFICATIONS

COOLING CAPACITY: up to 60,000 Btu/Hr
AIRFLOW: 1600cfm (2712 m³/hr)
AMPERAGE DRAW: 18 Amps @ 13.5 Volts
WEIGHT: 67 lbs.
FILTER: Cleanable Aluminum Mesh

Specifications subject to change without notice.

AMERICAN COOLING TECHNOLOGY, Inc.

www.actusa.us.com
715 Willow Springs Lane, York, PA 17406
Tel: 717.767.2775 ~ Fax: 717.767.3658
Toll Free: 877.228.4247

RELY ON OUR EXPERIENCE TO PROPERLY APPLY YOUR BUS AIR CONDITIONING SYSTEM

Form#EZ5 rev01/17   Copyright 2018   Printed in the USA
BUS AIR CONDITIONING

CR-2 CONDENSER

THE A.C.T. CR-2 CONDENSER IS DESIGNED FOR ROOF MOUNT APPLICATIONS. WE HAVE MANUFACTURED THIS PRODUCT TO OFFER OUR CUSTOMERS GREATER FLEXIBILITY IN CONDENSER PLACEMENT.

IT'S LOW PROFILE DESIGN, HIGH PERFORMANCE, SERVICEABILITY, AND INSTALLATION EASE ARE THE RESULT OF MANY YEARS' EXPERIENCE IN THE TRANSPORTATION INDUSTRY.

ADVANCED FEATURES

- Low Profile Aerodynamic Design
- Heavy Duty, Durable UV Capped ABS Cover
- Lightweight, Rust Proof Aluminum Powder Coated Frame
- Internally Enhanced Copper Tubing
- Unequaled Heat Rejection...
  - Lower Cooling Temperatures
  - Lower Head Pressures
- 12 Inch Diameter Fan for Increased Airflow
- Sealed Motor Design
- Sealed Electrical Connections

SPECIFICATIONS

RATING: Up to 70,000 Btu/Hr IMACA, (34,000 Btu/Hr ARI)
AIRFLOW: 2460 cfm
AMPERAGE DRAW: 23 Amps @ 13.5 Volts
11 Amps @ 27 Volts
CONDENSER FANS: 12 Inch Diameter Sealed Motors
FILTER DRIER/SIGHTGLASS: 16 Cu. Inch Displacement w/ Moisture Indicator
WEIGHT: 43 lbs.

Specifications subject to change without notice.

OPTIONS

- Optional Mounting Rails for Curved or Flat top Roofs
- 12 Volt or 24 Volt Motors
- Branch Guard

3 YEAR LIMITED WARRANTY

AMERICAN COOLING TECHNOLOGY, Inc.

www.actusa.us.com
715 Willcw Springs Lane, York, PA 17406
Tel: 717.767.2775 ~ Fax: 717.767.3658
Toll Free: 877.228.4247

RELY ON OUR EXPERIENCE TO PROPERLY APPLY YOUR BUS AIR CONDITIONING SYSTEM
Spring nut must be completely engaged as shown (see note 3)

Align top of self tapping screw with upper quadrant of hole (see note 5)
UNDERSEAT RETRACTORS INSTALLATION INSTRUCTIONS

Step 1: Complete the seat assembly procedure outlined in FW Seat Installation Instructions FSC 35774.

Step 2: Install Center Channel Bracket Assembly 37577 to base frame using the following hardware and medium strength thread locking compound: 7/16-14 spring nut 35068, 7/16-14 x 1 1/2 grade 8 hex head cap screw 427555, and 7/16 high strength flat washer 99015 (items 8, 9 & 10 - FSC supplied). Hand tighten to bracket may slide. Make sure the spring nuts engage in the channel completely. (See View A)

Step 3: Place one retractor 13448 on either side of bracket 37577. Use the 1/2-13 x 1 1/2 screw 427556, two 1/2 flat washers 120396, and one 1/2-13 prev torque lock nut (items 13, 14 & 15 - FSC supplied). Hand tighten the assembly as shown so the belts may rotated into place. Place both retractor boots between the seats and torque the four bracket bolts 427555 to the baseframe to 12-17 ft-lbs. Tighten the bolt connecting the retractor to 60 ft-lbs.

Step 4: Attach left and right buckles to their respective sides of the baseframe as shown. Use one 7/16-20 x 2 1/2 screw, two 7/16 high strength flat washers, and one 7/16-20 prev torque lock nut (items 10, 11 & 12 - FSC supplied). Position the buckles for the best fit and use the appropriate mounting holes to attach the buckles to the frame. When using rigid buckle either mounting hole may be used. Tighten hardware until secure against the channel, a minimum of 4 threads shall be showing through the nut. Do not overtighten the buckles, which tends to crush the rail. To prevent rotation of the rigid buckle, attach a self-drilling screw 99210 as shown on page 2. See note 5.

NOTE(S): 1) DIMENSIONS ARE FOR REFERENCE ONLY.
2) STREETSIDE SEAT ASSY SHOWN.
3) INCOMPLETELY ENGAGING THE SPRING NUT IN THE CHANNEL MAY CAUSE THE SEAT BELTS TO FAIL IN THE EVENT OF A VEHICLE ACCIDENT, WHICH MAY RESULT IN INJURY OR DEATH OF THE SEAT OCCUPANT.
4) USR KIT NUMBER 37475.
5) IF BUCKLE (56183) IS USED, USE FASTENER (99210) TO PREVENT BUCKLE (56183) FROM ROTATING WHEN A LOAD IS APPLIED TO IT. THIS SCREW (99210) CAN FALL WITHIN THE HOLE AS LONG AS THE BUCKLE (56183) CAN NOT ROTATE.
Undercoating Application:

1. Starcraft Bus must comply with OEM/Vendor requirements and/or guidelines
   a. QVM E0103 requirement states - No undercoating within 8” of exhaust system or on fuel fill/vent hoses, fuel tank, driveshaft, steering dampener, or shock absorbers.
   b. Trans Air requirement states - No undercoating condenser, condenser components, hoses or wire harnesses

2. Starcraft undercoating (BASF MasterSeal 631 (Formerly Degaceat 310)) spray application must entirely cover:
   a. Underside of body sub-floor
   b. Underside of OEM cab floor
   c. Underside of step-well
   d. Backside of fiberglass caps below floor level
   e. Backside of side skirting
   f. Floor framing and bracing

3. Starcraft inspection department must thoroughly inspect undercoat application
   a. Areas that are not to be undercoated must be cleaned of all undercoat.
   b. Areas missing undercoat must have undercoat applied using compressed undercoat.

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Reason for Revision</th>
<th>Approved By</th>
<th>Revised</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Verify procedure and update pictures</td>
<td></td>
<td>07/01/2016</td>
</tr>
</tbody>
</table>
Z SHIELD™ 7318

A low gloss, very fast dry, red-oxide, solvent-based polymeric rust preventive coating, for airless or air-assist spray application to sheet metal, hot rolled steel, castings, forgings, extruded metal, and cast aluminum. This coating is also resistant to elevated temperatures. The 7318 is designed to provide metal substrates even when applied as a thin coating. The coating is fast drying and can be air dried, force dried or subjected to high temperature bake cycles. This primer also exhibits excellent gravel and stone pecking resistance.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Red-oxide</td>
</tr>
<tr>
<td>% NVM by WT.</td>
<td>58.4</td>
</tr>
<tr>
<td>% NVM by VOL.</td>
<td>42-46</td>
</tr>
<tr>
<td>Density</td>
<td>10.0 lb/gal</td>
</tr>
<tr>
<td>Viscosity per #3 Zahn cup</td>
<td>30-35 sec.</td>
</tr>
<tr>
<td>Mechanical Stability</td>
<td>Excellent</td>
</tr>
<tr>
<td>Heat Stability</td>
<td>Excellent</td>
</tr>
<tr>
<td>V.O.C.</td>
<td>&lt;3.50 lbs/gal</td>
</tr>
<tr>
<td>D.O.T. Flammability Rating</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Cryptometer/#2 Wedge, ASTM D1212</td>
<td>10</td>
</tr>
<tr>
<td>60° Gloss</td>
<td>&lt; 5 matt finish</td>
</tr>
<tr>
<td>Sag (mils)</td>
<td>&gt;12</td>
</tr>
</tbody>
</table>
Z Shield™ 7318 FILM PROPERTIES

Performance testing reflects coating on unpolished Q panels with four day air-dried films at 3.0 - 4.0 mils dry.

- Dry to touch at R.T., ASTM D1640
- Dry-to-Handle at R.T., ASTM D1640
- Pencil Hardness
- Flexibility 180° bend over conical mandrel
- Salt Spray, ASTM B117, 3000 hours

- Salt Fog Resistance (463PB-10-01), 240 hours.
  - 325°F x 16 hours plus 16 hours humidity.
- Salt Fog Resistance (WSS-M2P178-A), 240 hours.
- Salt Water Immersion, 5% NaCl, 100°F, 3000 Hours
- Detergent Immersion, 100°F, 48 Hours
- Gravelometer, ASTM D3170, -20°F
- Poultice, GM 998-5470, 20 cycles
- Q.U.V., ASTM G53, 3000 Hours
- Q.U.V., 100 Hours + Salt Spray, 336 Hours
- Q.C.T., 3000 Hours
- Humidity Resistance, ASTM D2247, 2000 Hours
- Sag resistance
- Impact (direct & reverse) ASTM D3281
- Adhesion (FLTM B1 6-1 B) cross Hatch
- Scab corrosion resistance, 20 cycles

10 ± 2 minutes
15 ± 5 minutes
6B
Pass
Field, scribe, edge clean; no blistering
Pass (No rust)
Pass (No rust, no blisters)
Pass
Good (8A)
Pass
Pass
Pass
Pass
≥ 12 mils
160/40 inch-lbs.
5A Pass
Pass

APPLICATION
For ultimate protection, apply films to clean metals at a thickness of at least 1.5-2.0 mils dry

www.ztechprotection.com

Z TECHNOLOGIES CORPORATION
World Leaders in Corrosion Protection
d555U LaPorte Avenue, Redford, Michigan 48240-2551
Telephone (313) 937-0710 • Fax (313) 937-1470
<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>RESULTS</th>
<th>OK</th>
<th>NOT OK</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INGREDIENTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Volatiles dispersed in a petroleum solvent</td>
<td>water-based</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>No Areca or MAPE</td>
<td>comply</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>No dangerous or hazardous chemicals</td>
<td>comply</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>CHEMICAL AND PHYSICAL CHARACTERISTICS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Volatiles weight not less than 52% ± 5%</td>
<td>0.1%</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Sulfur Ash content. Each batch shall be within 14% of established value ASTM D1175</td>
<td>comply</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Flammable or flammable</td>
<td>comply</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Water Content shall be less than 1% ASTM D149</td>
<td>water-based coating</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Lead Content less than 0.01% ASTM D335</td>
<td>&lt; 0.0005%</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Flash Point not less than 100°F ASTM D93</td>
<td>&gt; 240 F</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Condition in Container: no settling, slugs, slimes, or separation of the solvent</td>
<td>comply</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Color: Dark Brown to Black; no fluorescent pigments or dye</td>
<td>black</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>PERFORMANCE PROPERTIES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sag: Sag resistance &gt; 10; wet rule (260)</td>
<td>35 units</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Creep: (1) move 2 in. cold rolled plate panels to 24 hrs at ASTM 117 Salt Spray. (2) Clump the panels together so that they overhang by 1/2 inch (3) apply the coating with a manual trowel and (4) allow the panels to stand in a vertical position for 7 days at room temp. (5) examine the area of the panels for any signs of peeling</td>
<td>emed 0.1 inches/60 sec</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Copper Corrosion: The compound shall not be corrosive to copper when tested to ASTM D1310</td>
<td>1 Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Fire Resistance: Expose the coating to a flame for 20 seconds. The coating shall not support combustion for more than 15 seconds after the flame is removed per ASTM D1310</td>
<td>flame out in 5 seconds Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Dotonini Resistance: Invert the dry coating into a solution of 25 gms sodium lauryl sulfate or equivalent per liters of water at 60°C (140°F) for 10 minutes. The coating must remain flat and continuous</td>
<td>Slightly affected</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Chip Resistance: ASTM D3170 rating of 2A or better</td>
<td>4A Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Solvent Vapor Wash Resistance: Place fresh wet film into room air circulation oven at 121°C for 15 minutes. After 15 min cool at room temp, no evidence of seep, chalking, or removal from surface</td>
<td>no evidence of seep, chalking or removal</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Conform to Touch: After 7 days at room temp, the coating shall be dry to touch</td>
<td>dry to touch: Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Environmental Testing shall conform to SAE J1959</td>
<td>Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Low Temperature Stability: Expose the films to temperatures of -20°F for 16 hours. Films shall remain non-porous</td>
<td>no effect Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Low Temperature Speciality, Coating applied at temperatures 41°F (5°C) or higher</td>
<td>OK pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Low Temperature Flexibility: Coating shall be flexible at temperatures -20°F and above</td>
<td>pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>High Temperature Speciality: The coating shall be not tested at 160°C or below</td>
<td>Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>High Temperature Flow Resistance: Expose film to 120°F for 3 hours: keep closed</td>
<td>No Sale Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Salt Fog, Applying the coated surface. Exposed to 1000 hours per SAE J1959. Rating must be 2 or better</td>
<td>ASTM Rating of 6 Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Salt Water Immersion: Immense dry film for 21 days in solution of 27.8 grams of NaCl/2.4 grams CaCl2 in one liter of water Adjust pH to 7.5 - 8.2 with sodium carbonate. See SAE J1959. The compound shall remain corrosion</td>
<td>Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Cyclic Environmental conditions, Test to SAE J1959 section 3.12. The coating shall exhibit</td>
<td>SAE J2334 Cycle: Pass</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>REGULATORY REQUIREMENTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attempt to comply with the Material</td>
<td>Material is recoverable</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>QUALITY ASSURANCE REQUIREMENTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certified to ISO 9001</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>CONTRACTOR: Required to perform all examinations and tests</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Spray product as sold in the commercial market</td>
<td>same product</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

The above test results were obtained from vibration testing to CID A-A-00216 Type II.
INTERMOTIVE LIFT
B 1760 POWER CENTER

16G Brown

Plug Under Dash— Under Driver’s Knee Panel
Connected to Lift Active Wire
Gray/Red @ Lift

STARCASTRE BUS
a division of Forest River, Inc.

LEGEND
- - TO GROUND
- - - CONxeCTION

WARNING LIGHTS
DATA CABLES

SWITCH PANEL
RC-1003-RED

FOR LIFT

DESCRIPTION OF CHANGE

DATE

ECN No.

10-17-13

INTERMOTIVE LIFT
B 1760 POWER CENTER

JTD

APPRAISAL
GAS
SCALE
NONE

SC-13034

Sheet 1 of 1
<table>
<thead>
<tr>
<th>#</th>
<th>DESCRIPTION</th>
<th>DESCRIPTION DETAIL</th>
<th>WIRE GAUGE</th>
<th>WIRE COLOR</th>
<th>FUSE TYPE</th>
<th>FUSE / SIZE</th>
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<tbody>
<tr>
<td>1</td>
<td>Main Distribution Panel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>OEM Ignition Tie-In</td>
<td></td>
<td>16</td>
<td>BLUE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Transmission in Park Tie-In</td>
<td>Transmission in Park</td>
<td>16</td>
<td>WHITE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Step Lights</td>
<td></td>
<td>16</td>
<td>ORANGE</td>
<td>ATC- Blade</td>
<td>F30- 15A</td>
</tr>
<tr>
<td>5</td>
<td>OEM Tail Light Tie-In</td>
<td></td>
<td>16</td>
<td>BROWN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Radio &amp; PA</td>
<td>Battery Hot</td>
<td>15</td>
<td>RED</td>
<td>ATC- Blade</td>
<td>F31- 15A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ignition Hot</td>
<td>15</td>
<td>WHITE</td>
<td>ATC- Blade</td>
<td>F26- 15A</td>
</tr>
<tr>
<td>7</td>
<td>Remote Power Mirrors</td>
<td>Ignition</td>
<td>16</td>
<td>WHITE</td>
<td>ATC- Blade</td>
<td>F35- 15A</td>
</tr>
<tr>
<td>8</td>
<td>TV/ Video</td>
<td></td>
<td>14</td>
<td>ORANGE</td>
<td>ATC- Blade</td>
<td>F27- 15A</td>
</tr>
<tr>
<td>9</td>
<td>Electric Door Header</td>
<td>Motor Power</td>
<td>12</td>
<td>WHITE</td>
<td>ATC- Blade</td>
<td>F32- 25A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Door Closed</td>
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**NOTES:**
1- ALL WIRE IS 125\(^\circ\) RATED TYPE- GXL

---

**STARCRAFT BUS**
Division of Forest River, Inc.

**SCHEDULE PAGE 1 of 2**

**DATE:** 09-30-13

**FILE:** B FORD 1760

**WIRING SCHEDULE**

**APPROD. GAS:** NONE

**SCALE:** SC-13009

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# Electrical Documentation Worksheet

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Ford

**Model Year:**
2016

**Vehicle Type:**
Bus

**Completed Vehicle Description:**
Buses 2

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<td></td>
</tr>
<tr>
<td>7</td>
<td>Turn Signal</td>
<td>50</td>
<td>18 ga</td>
<td>Yellow</td>
<td></td>
<td></td>
<td>0.10</td>
<td>0.10</td>
<td></td>
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</tr>
<tr>
<td>8</td>
<td>License Plate</td>
<td>50</td>
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<td>Yellow</td>
<td></td>
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<td>0.10</td>
<td>0.10</td>
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<td></td>
</tr>
<tr>
<td>9</td>
<td>Door Light</td>
<td>50</td>
<td>18 ga</td>
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<td></td>
<td></td>
<td>0.10</td>
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<td></td>
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</tr>
<tr>
<td>10</td>
<td>Side Light</td>
<td>50</td>
<td>18 ga</td>
<td>Yellow</td>
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<td></td>
<td>0.10</td>
<td>0.10</td>
<td></td>
<td></td>
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<tr>
<td>11</td>
<td>Rear Light</td>
<td>50</td>
<td>18 ga</td>
<td>Yellow</td>
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<td>0.10</td>
<td></td>
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<tr>
<td>12</td>
<td>Front Light</td>
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<td>18 ga</td>
<td>Yellow</td>
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<td>0.10</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Interior Light</td>
<td>50</td>
<td>18 ga</td>
<td>Yellow</td>
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<td></td>
<td>0.10</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Amps:** 183.85

**Notes:**
- Total rels bd, AG and #2 sensing everything on.
- LED-

**Other:****

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<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Wire</th>
<th>Size</th>
<th>Color</th>
<th>Power Source</th>
<th>Calc. Amps</th>
<th>Actual Amp</th>
<th>Total Amps</th>
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<td>Standard AG</td>
<td>2</td>
<td>6 ga</td>
<td>Red</td>
<td></td>
<td></td>
<td>0.05</td>
<td>0.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear Grd</td>
<td>50</td>
<td>10 ga</td>
<td>Red</td>
<td></td>
<td></td>
<td>0.10</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Grd</td>
<td>50</td>
<td>10 ga</td>
<td>Red</td>
<td></td>
<td></td>
<td>0.10</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior</td>
<td>1</td>
<td>10 ga</td>
<td>Red</td>
<td></td>
<td></td>
<td>0.10</td>
<td>0.10</td>
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<td></td>
</tr>
<tr>
<td>Standard Upright</td>
<td>1</td>
<td>10 ga</td>
<td>Red</td>
<td></td>
<td></td>
<td>0.10</td>
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**Control:**

- 2 ga Red
- 10 ga Red
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<th>FMVSS No.</th>
<th>Standard Description</th>
<th>Compliance Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Control Location, Identification and Illumination</td>
<td>Startrans does not alter the OEM controls or displays. Any aftermarket seats and/or controls or displays subject to the standard meet this standard.</td>
</tr>
<tr>
<td>102</td>
<td>Transmission Shift Lever Sequence, Starter Interlock &amp; Transmission Braking Effect</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>103</td>
<td>Windshield Defrosting &amp; Defogging Systems</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>104</td>
<td>Windshield Wiping &amp; Washing Systems</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>105</td>
<td>Hydraulic Brake Systems</td>
<td>Test date kept on file for vehicles that have had the wheels extended, or have had other system modifications. For unmodified vehicles, compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>106</td>
<td>Brake Hoses</td>
<td>Vehicles with wheelbase modifications have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For Non-stretched vehicles, compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>108.1</td>
<td>Alternative Requirements for Headlamps</td>
<td>Startrans does not alter OEM lighting. Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>110</td>
<td>The Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>111</td>
<td>Rear View Mirrors</td>
<td>All aftermarket mirrors installed by Startrans meet this standard and DOT regulations.</td>
</tr>
<tr>
<td>112</td>
<td>Headlamp Concealment Devices</td>
<td>Startrans does not manufacture vehicles with headlamp concealment devices.</td>
</tr>
<tr>
<td>113</td>
<td>Hood latch systems</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>114</td>
<td>Thall Protection</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>115</td>
<td>Vehicle Identification Number</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>116</td>
<td>Hydraulic Brake Fluids</td>
<td>Startrans does not alter brake systems. Vehicles with modified wheelbases have additional fluid added by chassis modifiers using OEM instruction and materials. All other system modifications utilize only OEM-approved fluid. For unmodified vehicles, compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>118</td>
<td>Power Operated Window, Partition, and Roof Panel Systems</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>120</td>
<td>The Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 lbs.) or More</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>121</td>
<td>Air Brake Systems</td>
<td>Vehicles with wheelbase modifications have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For unmodified vehicles, compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>124</td>
<td>Accelerator Control Systems</td>
<td>Startrans does not alter the OEM accelerator system, with the exception of the addition of aftermarket pedal systems on some vehicles. These systems meet this standard when installed in accordance with instructions.</td>
</tr>
<tr>
<td>125</td>
<td>Warning Devices</td>
<td>All vehicles manufactured by Startrans that are equipped with a horn (3) triangle kit meet this standard.</td>
</tr>
<tr>
<td>131</td>
<td>School Bus Pedestrian Safety Devices</td>
<td>All vehicles manufactured by Startrans are not completed to be used as school buses.</td>
</tr>
<tr>
<td>135</td>
<td>Light Vehicle Braking System with a GVWR of 3,500kg (7,716 lbs.) or Less</td>
<td>Startrans does not manufacture vehicles with a GVWR of 3,500kg (7,716 lbs.) or Less.</td>
</tr>
<tr>
<td>201</td>
<td>Occupant Protection in Interior Impact</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>202</td>
<td>Head Restraints</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Compliance Statement</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>203</td>
<td>Impact Protection for the Driver from the Steering Control System</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>204</td>
<td>Steering Control Rearward Displacement</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>205</td>
<td>Glazing Materials</td>
<td>No modifications are made to the OEM Glazing materials. Additional glazing materials meet the standard. Data on file.</td>
</tr>
<tr>
<td>206</td>
<td>Door Locks and Door Relianton Devices</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>207</td>
<td>Sealing System</td>
<td>All sealing installed by Startrans meets this standard. Test data on file.</td>
</tr>
<tr>
<td>208</td>
<td>Occupant Crash Protection</td>
<td>No alterations are made to the OEM seat belts, air bag systems or associated hardware. Any seat belt systems added meet the standard. Test data on file.</td>
</tr>
<tr>
<td>209</td>
<td>Seat Belt Assemblies</td>
<td>No alterations are made to the OEM seat belts or associated hardware. Any seat belt systems added meet the standard. Test data on file.</td>
</tr>
<tr>
<td>210</td>
<td>Seat Belt Assembly Anchorages</td>
<td>No alterations are made to the OEM seat belt or associated hardware. Seat belt systems or their installation meet the standard. Test data on file.</td>
</tr>
<tr>
<td>210.1</td>
<td>User-ready Tether Anchorages for Restraint System</td>
<td>No alterations are made to the OEM seat belt or associated hardware. Seat belt systems or their installation meet the standard. Data on file.</td>
</tr>
<tr>
<td>210.2</td>
<td>Lower Universal Anchorages Systems for Restraint Systems and Booster Cushions</td>
<td>No alterations are made to the OEM seat belt or associated hardware. Seat belt systems or their installation meet the standard. Data on file.</td>
</tr>
<tr>
<td>212</td>
<td>Windshield Mounting</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>213</td>
<td>Child Restraint Systems</td>
<td>Vehicles manufactured by Startrans, that are subject to this standard, have seating installed that meets this standard. Test data on file.</td>
</tr>
<tr>
<td>213.4</td>
<td>Built-in Child Restraint Systems and Built-in Booster Cushions</td>
<td>Vehicles manufactured by Startrans, that are subject to this standard, have seating installed that meets this standard. Test data on file.</td>
</tr>
<tr>
<td>214</td>
<td>Side Impact Protection with a GVWR of 4,536kg (10,000 lbs.) or Less</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>216</td>
<td>Roof Crash Resistance</td>
<td>Startrans does not manufacture vehicles with a GVWR of 2,722kg (6,000 lbs.) or Less.</td>
</tr>
<tr>
<td>217</td>
<td>Bus Window Retention and Release</td>
<td>No modifications are made to the OEM windows. Additional windows meet the standard. Test data on file.</td>
</tr>
<tr>
<td>219</td>
<td>Windshield Zone Intrusion</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>220</td>
<td>School Bus Rollover Torsion</td>
<td>All vehicles manufactured by Startrans meet this standard. Test data on file.</td>
</tr>
<tr>
<td>221</td>
<td>School Bus Body Joint Strength</td>
<td>All vehicles manufactured by Startrans are not completed to be used as school buses, however, StarTrans does test vehicles to meet standard.</td>
</tr>
<tr>
<td>222</td>
<td>School Bus Passenger Seating and Crash Protection</td>
<td>All MFSAB vehicles manufactured by Startrans meet this standard. Test data on file.</td>
</tr>
<tr>
<td>225</td>
<td>Child Restraint Anchorages Systems</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
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<td>301</td>
<td>Fuel System Integrity</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>301.1</td>
<td>LPG Fuel System Integrity</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>301.2</td>
<td>CNG Fuel System Integrity</td>
<td>Compliance is deferred to the chassis manufacturer.</td>
</tr>
<tr>
<td>Standard</td>
<td>Description</td>
<td>Compliance Details</td>
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<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>303</td>
<td>Fuel System Integrity of Compressed Natural Gas Systems</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>304</td>
<td>Compressed Natural Gas Fuel Container Integrity</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>305</td>
<td>Electrolyte Spillage and Electrical Shock Protection</td>
<td>Startrans does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.</td>
</tr>
<tr>
<td>403</td>
<td>Platform Lift System for Motor Vehicles</td>
<td>Startrans does not alter the platform lift system. Startrans installs lift system in strict compliance with the manufacturer's installation instructions. Startrans meets strength requirements. Test data on file.</td>
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<tr>
<td>404</td>
<td>Platform Lift Installation on Human Vehicles</td>
<td>Compliance is deferred to the lift manufacturer.</td>
</tr>
<tr>
<td>1106</td>
<td>Noise Emissions</td>
<td>Startrans does not alter the OEM chassis in the area which is stated in the incomplete vehicle documents. Data on file.</td>
</tr>
</tbody>
</table>

Signed: [Signature]  
Signed: [Signature]  
Date: 1/22/2018  
Title: Compliance Manager
Certificate of Registration

This is to certify the Quality Management System of:

FOREST RIVER MANUFACTURING, LLC
Division 5

Location Addresses:

- Starcraft Bus: Commercial
  2367 Century Drive
  Goshen, IN 46528

- Starcraft Bus: School Bus
  2408 Century Drive
  Goshen, IN 46528

- StarTran Bus
  2367 Century Drive
  Goshen, IN 46528

has been assessed and found to be in compliance with the requirements of

ISO 9001:2008

for the following scope:

Design, Manufacturing, Sales, and Administration of Commercial, Government and School Busses

Certificate Number: SARA-2006-CA-0031-B

Originally Registered: February 28, 2006
Latest Issue: October 14, 2016
Expiry Date: January 25, 2018

President, SARA Registrar

This registration is subject to the company maintaining its system to the required standard which will be monitored by SARA Registrar. This certificate remains the property of Standards American Registrations Authority (SARA Registrar) and shall be returned immediately upon request.

SARA Registrar Headquarters: 18030 Santa Rita Road, Suite 117A, Pismo Beach, CA 93449
September 22, 2017

Donall Hasty  
DBE Liaison Office  
Starcraft Bus/StarTrans Bus  
2367 Century Drive  
Goshen, IN 46525

Re: TVM DBE Goal Concurrence/Certification Letter – Fiscal Year 2018

Dear Mr. Hasty:

This letter is to inform you that the Federal Transit Administration’s (FTA) Office of Civil Rights has received Starcraft Bus/StarTrans Bus’s Disadvantaged Business Enterprise (DBE) goal and methodology for FY 2018 for the period of October 1, 2017–September 30, 2018. This goal submission is required by the U.S. Department of Transportation’s DBE regulations at 49 CFR Part 26 and must be implemented in good faith.

We have reviewed your FY 2018 DBE goal and determined that it is compliant with DOT’s DBE regulations. You are eligible to bid on FTA-funded transit contracts. This letter or a copy of the TVM listing on FTA’s website may be used to demonstrate your compliance with DBE requirements when bidding on federally funded vehicle procurements.

FTA reserves the right to remove/suspend this concurrence if your DBE program or FY 2018 DBE goal is not implemented in good faith. In accordance with this good faith requirement, you must submit your DBE Uniform Report to FTA by December 1, 2017. This report should reflect all FTA-funded contracting activity for the second period of FY 2017 (i.e., from April 1 to September 30).

Please also be mindful that your FY 2019 DBE goal methodology must be submitted to FTA by August 1, 2018. Any updates to the program plan must be submitted to FTA as they occur. Thank you for your cooperation. If you have any questions regarding this approval, please contact the FTA DBE Team via e-mail at FTATVMSubmissions@dot.gov.

Sincerely,

[Signature]
John Day  
Program Manager for Policy  
and Technical Assistance  
Office of Civil Rights
Ford Motor Company

Is proud to recognize

Starcraft Commercial Bus (Forest River)

as a participant in the

Transit Bus

Qualified Vehicle Modifier Program

Richard D. Cupka -- SVE Quality Programs Mgr.

June, 2016
VEHICLE TEST REPORT
FMVSS/CMVSS 220
SCHOOL BUS ROLLOVER PROTECTION TEST

TEST VEHICLE
STARCAST TRANSPORT BUS
FORD ECONOLINE E-450 CUTAWAY

TEST DATE
NOVEMBER 6, 2001

TEST PERFORMED FOR:
STARCAST BUS
A DIVISION OF FOREST RIVER INC.
2703 COLLEGE AVENUE
GOSHEN, IN 46528
(219) 533-1105

TEST CONDUCTED BY
STARCAST BUS ENGINEERING
AND R & D STAFF INCONJUNCTION WITH PYRAMID1, INC.

PYRAMID1, INC.
19560 C.R. 40
GOSHEN, INDIANA 46526
(574) 537-8033

COMPLIANCE STATEMENT
This vehicle has been tested in accordance with the requirements of the following regulations: Federal Vehicle Safety Standard number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, revised as of October 1, 1999. Canada Motor Vehicle Safety Standard number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of May 27, 1998.

SUMMARY OF RESULTS
ROOF AND BODY STRUCTURE: The roof and body structure of this vehicle meet the requirements of the aforementioned standards.
EXIT OPERATION: All doors, windows, and emergency exits were verified functional, prior to roof load application, under full load, and after test load was removed as required by the aforementioned standards.

APPROVALS

APPROVED BY: ___________________________  APPROVED BY: ___________________________
MR. JEFF DENNEY  MR. JON SMITH P.E.
DIRECTOR OF PRODUCT DEVELOPMENT  Consulting Engineer
AND MANUFACTURING ENGINEERING

STATE OF IN
JULY 12, 2001

M. SMITH
P.E.
CONSULTING ENGINEER
QUALITY MANUAL

Reviewed By Management Representative:

_________________________________________  Date

Approved By General Manager:

_________________________________________  Date

Revision History

<table>
<thead>
<tr>
<th>Rev Number</th>
<th>Rev Description</th>
<th>Effective Date</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>Initial Release,</td>
<td>9/27/2005</td>
</tr>
<tr>
<td>B</td>
<td>Listed 7.5.2 in the Exclusions Area</td>
<td>12/6/2005</td>
</tr>
<tr>
<td>C</td>
<td>Changed SP862-01 to incorporate all CAR functions</td>
<td>3/12/2007</td>
</tr>
<tr>
<td>D</td>
<td>Updated to ISO 9001:2008, changes are made in italics</td>
<td>3/19/2010</td>
</tr>
<tr>
<td>E</td>
<td>Incorporated Federal Coach</td>
<td>2/17/2011</td>
</tr>
<tr>
<td>F</td>
<td>Identified two separate locations to illustrate ISO 9001:2008 scope</td>
<td>5/31/2011</td>
</tr>
<tr>
<td>G</td>
<td>Removed Federal Coach</td>
<td>2/12/2013</td>
</tr>
<tr>
<td>H</td>
<td>Incorporated Forest River Manufacturing, LLC-Division 5 Into System</td>
<td>10/17/2014</td>
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Important Note: A printed copy of this document may not be the document currently in effect. To verify the controlled version, or to obtain a copy, please contact the ISO Coordinator.
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Introduction

This Quality Policy Manual defines the policies of the organization. This Quality Policy Manual will be adhered to in the organization. It is designed to be used as a basic document that describes and references, in broad terms, the control systems, standard procedures, and forms that will be used to ensure that all customer requirements are met and that organization's quality standards are maintained.

Implementation of the policies defined herein is by means of standard procedures that define the responsibilities and essential controls that must be exercised in order to carry out the various activities during the course of completing a contract or order. Procedures, forms, and flow charts document how tasks are performed in order to assure final product quality.

The systems and standard procedures referenced in this Quality Policy Manual are designed to target the requirements of the ANSI/ISO/ASQ Q9001-2008 standard.

It is mandatory that all personnel at the organization adhere to the procedures and organizational controls described in this Quality Manual.

Statement of Authority

The organization General Manager establishes the Quality Policy and approves the Quality Management System.

The Management Representative of the organization is authorized to document, implement, and maintain the Quality Management System described in this manual. The Management Representative communicates quality goals to the organization and facilitates discussion of the Quality Management System with senior management via Management Reviews.

Organization Background

The organization is committed to continuously improving its quality management practices to improve product quality, to enhance customer satisfaction, and to maintain and build market share. To achieve our quality objectives, we have implemented a Quality Management System (QMS) based on the ISO 9001:2008 International Standard.

Quality Manual Issue and Revision

The Management Representative is responsible for the issue and revision of the Quality Policy Manual.

The Quality Policy Manual is reviewed periodically to ensure its conformance to current international standards as well as customer, division, and organization requirements.

A revision number indicates a revision to the Quality Manual, with each revision canceling and replacing the previous issue. The revision letter and date shown on each page indicate the current status of this manual. The Management Representative and General Manager approve all revisions.

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Definitions

<table>
<thead>
<tr>
<th>Term</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buyer</td>
<td>is a representative of the organization purchasing function that processes Material Requisitions, generates Purchase Orders, and places orders with vendors. The Buyer monitors vendor performance and works with Requestors and Vendors to address Vendor Corrective Action Requests. Vendors are evaluated and controlled according to requirements of the organization Purchasing Department.</td>
</tr>
<tr>
<td>Corrective Action Request (CAR).</td>
<td>is used to document, control and correct nonconformities within the division or organization.</td>
</tr>
<tr>
<td>Customer</td>
<td>is the organization or person that receives a product or service.</td>
</tr>
<tr>
<td>Date (Last Update)</td>
<td>is a field is within the document header that indicates the date of the document revision, i.e. the date when the format and/or content of the document was last changed/updated.</td>
</tr>
<tr>
<td>Department Managers</td>
<td>are responsible for operations and performance of processes.</td>
</tr>
<tr>
<td>Division 5</td>
<td>is the part of the organization that is controlled by ISO which encompasses both Starcraft Bus and StarTrans Bus.</td>
</tr>
<tr>
<td>Documents</td>
<td>in ISO 9001 usage, generally consist of permanent documentation describing or defining systems, processes, procedures, and products. Examples include product specification and Quality Manuals.</td>
</tr>
<tr>
<td>Facility Coordinator</td>
<td>maintains the tracking of all properties.</td>
</tr>
<tr>
<td>General Manager</td>
<td>is responsible for the overall operations of the division.</td>
</tr>
<tr>
<td>Human Resources</td>
<td>personnel support employees by administering compensation and benefit packages, as well as policies that promote individual and corporate growth.</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>is the set of facilities, which may be under the control of the customer or the corporation.</td>
</tr>
<tr>
<td>ISO</td>
<td>is the International Organization for Standardization, a worldwide federation of national standards bodies formed in 1947.</td>
</tr>
<tr>
<td>ISO Coordinator</td>
<td>is the organization employee who has been assigned to support and maintain the organization ISO processes. The duties include, but are not limited to: coordination, submission and tracking of ISO documents, maintaining storage of ISO records.</td>
</tr>
<tr>
<td>IT Personnel</td>
<td>administer policies that protect and preserve administrative and corporate information and computing resources in accordance with the organization corporate policy.</td>
</tr>
<tr>
<td>Term</td>
<td>Meaning</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Management Representative</td>
<td>is authorized to document, implement, and maintain the Quality Management System described in this manual. The Management Representative communicates quality goals to the organization and facilitates discussion of the Quality Management System with senior management via Management Reviews.</td>
</tr>
<tr>
<td>Management Review</td>
<td>is the review of the quality system by management to ensure the quality system remains suitable and effective.</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>is a set of processes that transform requirements into specified characteristics or into the specifications of a product process or system.</td>
</tr>
<tr>
<td>Nonconformity</td>
<td>is the non-fulfillment of a requirement.</td>
</tr>
<tr>
<td>President</td>
<td>is responsible for the overall operations for multiple divisions.</td>
</tr>
<tr>
<td>Preventive Action</td>
<td>is the action taken to eliminate the cause of a potential nonconformity or other undesirable situation.</td>
</tr>
<tr>
<td>Process</td>
<td>is the set of interrelated or interacting activities that transforms inputs into outputs.</td>
</tr>
<tr>
<td>Process Control</td>
<td>is the identification of and action on all identified factors affecting process variability, proper maintenance of equipment, use of statistical process control methods, and degree of adherence to valid work instructions.</td>
</tr>
<tr>
<td>Process Owner(s)</td>
<td>are personnel responsible for the development and maintenance of Procedures and Work Instructions.</td>
</tr>
<tr>
<td>Product Designer</td>
<td>performs product design, development, trial activities, and other assignments as directed by Manager.</td>
</tr>
<tr>
<td>Purchasing</td>
<td>is responsible for material purchase and vendor selection.</td>
</tr>
<tr>
<td>Quality</td>
<td>is the degree to which a set of inherent characteristics fulfills requirements.</td>
</tr>
<tr>
<td>Quality Assurance</td>
<td>is responsible for the QA.</td>
</tr>
<tr>
<td>Quality Audit</td>
<td>is the systematic, independent, and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which agreed criteria are fulfilled.</td>
</tr>
<tr>
<td>Quality Management</td>
<td>is the coordinated activities to direct and control an organization with regard to quality. Direction and control with regard to quality generally includes establishment of the quality policy, quality objectives, quality planning, quality control, quality assurance, and quality improvement.</td>
</tr>
<tr>
<td>Quality Management System</td>
<td>is a set of interrelated or interacting processes with regard to quality. It generally includes establishment of the quality policy, quality objectives, quality planning, quality control, quality assurance, and quality improvement.</td>
</tr>
<tr>
<td>Quality Manual</td>
<td>is the document specifying the Quality Management System of an organization.</td>
</tr>
<tr>
<td>Term</td>
<td>Meaning</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Quality Policy</td>
<td>represents the overall intentions and direction of an organization, with respect to quality, as formally expressed by senior management.</td>
</tr>
<tr>
<td>Records</td>
<td>are the documents providing current and historical evidence of activities conducted. Examples include inspection and test records, records confirming traceability, evidence of certification, and/or preventive and corrective action. Electronic data are acceptable as a record.</td>
</tr>
<tr>
<td>Retention</td>
<td>refers to documentation that is retained by the appropriate program for an indefinite period. Upon completion of the program, this documentation may be archived or destroyed. In many cases, this documentation reflects the history of the program.</td>
</tr>
<tr>
<td>Revision</td>
<td>is a field located within the ISO document header that indicates the version of the document. The revision will be changed to the next sequential letter whenever the format or content of the document is changed. In addition, the date field will be updated to indicate the date of the revision.</td>
</tr>
<tr>
<td>Statistical Process Control</td>
<td>is the application of statistical techniques to the control of processes.</td>
</tr>
<tr>
<td>Supervisor</td>
<td>is an organization employee who has been assigned to manage a specific area or department.</td>
</tr>
<tr>
<td>Supplier</td>
<td>is the organization or person that provides a product.</td>
</tr>
<tr>
<td>Technician</td>
<td>performs technical activities consisting of, but not limited to, fabrication, assembly, and testing as assigned by the Supervisor and/or Dept. Manager in order to meet program requirements.</td>
</tr>
<tr>
<td>Traceability</td>
<td>is the ability to trace the history, application, location or compliance of that which is under consideration.</td>
</tr>
<tr>
<td>Training</td>
<td>is the result of teaching and learning, so as to be fitted, qualified, or proficient in a specific task.</td>
</tr>
<tr>
<td>Work Environment</td>
<td>is the set of conditions under which work is performed. Conditions include physical, social, psychological, and environmental factors such as temperature, recognition schemes, and ergonomics.</td>
</tr>
</tbody>
</table>
Purpose

The purpose of this Quality Manual is to ensure the organization's commitment towards maintaining an internationally recognized Quality Management System and to provide a concise reference to reflect the current operating practice.

Quality System Registration

The organization is implementing and maintaining a Quality Management System as stated below:

<table>
<thead>
<tr>
<th>Reference Standard</th>
<th>Exclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9001:2008</td>
<td>Section 7.5.2</td>
</tr>
</tbody>
</table>

Starcraft Bus Quality Policy

“Starcraft Bus is committed to being the leader in the small and mid-size bus market by meeting or exceeding customer requirements and providing continuous improvement.”

StarTrans Bus Quality Policy

“StarTrans Bus is committed to continuous improvement of quality, service and safety through a partnership of customer and employee communication and innovation.”
Scope

The organization, located in Indiana has developed this Quality Manual, associated procedures, work instructions and forms, using the ISO 9001:2008 Standard. The Quality Manual is to be used to ensure that the services provided and the products developed by the organization meet customer requirements and regulatory statutes.

Rigorous application of the organization’s Quality System will ensure that customer and statutory requirements are met fully and that the processes utilized will be continually improved.

1. Application

The organization will apply the ISO 9001:2008 standards to all services provided and products developed.

2. Normative Reference

The organization will enforce all latest published ISO 9001:2008 standards.

3. Quality Management System

3.1 General Requirements

The organization has established a documented and implemented Quality Management System and shall continually improve its effectiveness in accordance with the ISO 9001 requirements.

The organization has completed the following:

- Identified the processes needed and determined the sequences and interaction of the processes necessary for the operation of the business through the overall business process.

- Determined the criteria and methods required through the Quality Manual, processes, work instructions, and other support documents relevant to the related quality processes to ensure the effectiveness of the operation of these processes.

- Ensured all employees are complying with all ISO requirements and are dedicated to continually improving the effectiveness of the Quality System.

- Allocated its resources, including manpower, facilities, and support documentation in terms of forms and reports in order to support, measure, monitor, and analyze these processes to ensure that the implementation is geared towards achieving planned results and continual improvement.

- The organization has identified the processes needed, interface, interaction, and sequences (INPUT and OUTPUT of processes) necessary for the operation of the business as a process model shown on page 11.
• Monitor, measure (where applicable), and analyze these processes.

Where Forest River – Division 5 chooses to outsource any process that affects product conformity to requirements, Forest River – Division 5 ensures control over such processes. The type and extent of control to be applied to these outsourced processes are defined within the quality management system.

Processes needed for the quality management system referred to above include processes for management activities, provision of resources, product realization, and measurement, analysis, and improvement.

An outsourced process is identified as one being needed for the Forest River – Division 5 quality management system, but chosen to be performed by a party external to the organization.

Ensuring control over outsourced processes does not absolve Forest River – Division 5 of the responsibility of conformity to all Customer, statutory, and regulatory requirements. The type and extent of control to be applied to the outsourced process can be influenced by factors such as

• the potential impact of the outsourced process on the Forest River – Division 5 capability to provide product that conforms to requirements,
• the degree to which the control for the process is shared;
• the capability of achieving the necessary control through the application of SP 74-xx (Referred in section 7.4)

Outsourcing a process to another organization typically involves the purchase of those services; as a result, compliance with Purchasing, including the controls mentioned in section 7.4 apply equally to the supplier selected to perform the outsourced process.
Figure 1A: Business Process Model

INTERFACE AND INTERACTION BETWEEN PROCESSES

The Organization

- Review & Improvement Process
- Supporting Process
- Core Process
- Supplier

Customer

- Sales Mktg. 7.2
- Planning 7.1
- Purchasing 7.4

Human Resource 6.2

Accounting 7.5.1

Maintenance 6.3, 6.4

Inventory Warehouse 7.4.3, 7.5.3

Receiving Inspection 8.2.4

Production 7.5.1, 7.5.2

Finished Goods Warehouse 7.5.3, 7.5.5

Quality Assurance 7.6.2, 8.2.4, 8.3

Shipping 7.5.1

- Review & Improvement
  Field Services 4.1, 4.2, 5.1, 5.2, 53, 54.52
  Not Applicable 72.254

Note: The processes contained in the center rectangle are the core and supporting processes.

Note: The processes outside the center rectangle are the external interface with upstream and downstream and the review and improvement processes.

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INTERFACE AND INTERACTIONS BETWEEN LOCATIONS

**FOREST RIVER – DIVISION 5**

- Division 5
- Management Review - 5.6
- Division 5
- Human Resources - 6.2
- Division 5
- Work Environment - 6.4

**STARCAST BUS/STARTRANS BUS PLT. 5A**

- Division 5
- Sales - 7.2
- Division 5
- StarTrans Marketing - 7.2
- Division 5
- Design & Development - 7.3
- Division 5
- Purchasing - 7.4.1
- Division 5
- Purchasing/Logistics - 7.4.2
- Division 5
- Production Process Control - 7.5.1
- Division 5
- Customer Service - 7.5.2
- Division 5
- Preventive Maintenance - 7.5.1.2
- Division 5
- Product ID & Traceability - 7.5.2.1
- Division 5
- Customer Property - 7.5.4
- Division 5
- Preservation of Product - 7.5.5
- Division 5
- Control Monitoring/Measuring - 7.6
- Division 5
- Performance Satisfaction - 8.1.1
- Division 5
- Internal Audit Procedure - 8.2.2
- Division 5
- Production Process Control - 8.2.3
- Division 5
- Control of Non-Conforming Material - 8.3
- Division 5
- Corrective Action Request - 8.5.2
- Division 5
- Preventive Action Request - 8.5.3

**FOREST RIVER – DIVISION 5**

- Division 5
- Work Environment - 6.4
- StarTrans
- Sales - 7.2
- StarTrans
- Design & Development - 7.3
- Division 5
- Purchasing - 7.4.1

**STARTRANS BUS PLT. 5B**

- Division 5
- Production Process Control - 7.5.1
- Division 5
- Customer Service - 7.5.1.2
- Division 5
- Preventive Maintenance - 7.5.1.3

**FOREST RIVER – DIVISION 5**

- Division 5
- Presetveive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3

**STARTRANS BUS PLT. 5C**

- Division 5
- Production Process Control - 7.5.1
- Division 5
- Customer Service - 7.5.1.2
- Division 5
- Preventive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3
- Division 5
- Preventive Maintenance - 7.5.1.3

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Documentation Requirements

The Quality Management System, which is based on the business process, is documented in a four-level structure, as shown in Figure 2.

![Figure 2: Structure of Quality Management System](image)

Level I: Quality Manual:

This document provides an overview of the Quality Management System and contains the Quality Policy. It also states the operational policies that form the basic principles of the organization's operations. This manual makes reference to the Quality Objectives and working procedures of the system.

Level II: Procedures:

Procedures describe operational practices, responsible personnel, and interfaces between the various departments and functions. It includes the documented procedures required by ISO 9001 and any other documents needed to ensure effective control of operations.

Level III: Work Instructions:

Work Instructions delineate the details of specific tasks or activities, i.e., the "how" of performing a specific task and creating or verifying a product.

Level IV: Other Documents:

Other documents include forms, tags, labels, and other documentation that prompts the recording of substantiation (per Levels I, II, and III) of compliance to requirements.
4.2.1 General
The organization's documented Quality Management System includes:

- A documented Quality Policy, as well as specific measurable Quality Objectives for customer satisfaction and product quality;
- A Quality Manual;
- Documented procedures, including those required by the ISO 9001:2008 standard: Control of Documents, Control of Records, Internal Audit, Control of Nonconforming Product, Corrective Action and Preventive Action;
- Documents required by the organization to ensure an effective planning operation and control of its processes; and

4.2.2 Quality Manual
The organization has established and maintains a Quality Manual that includes:

- The scope of its QMS, including details and justification of any exclusions;
- The documented procedures established for the QMS, or references thereto; and
- A description of the interaction between the processes of the QMS in the way of an overview process flowchart (see Figure 1)

References:

<table>
<thead>
<tr>
<th>Quality Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>QM 422</td>
</tr>
</tbody>
</table>

4.2.3 Control of Documents
Processes are maintained to ensure that documents related to the Quality Management System are properly controlled. The documents include the Quality Manual, procedures, forms, work instructions, reports, and specifications.

These documents are drafted by process owners in coordination with the ISO Coordinator, reviewed by experts in the functional areas, and approved prior to issue. Procedures are reviewed periodically for continued applicability and updated as necessary to reflect current practices. When changes are made to these documents, the ISO Coordinator ensures that the document revision status is clearly identified on the documents.

The ISO Coordinator shall ensure that all documents are legible, and readily retrievable.

*Forest River - Division S* ensures that documents of external origin determined to be necessary for the planning and operation of the quality management system are identified and their distribution controlled.
4.2.4 Control of Quality Records
The organization maintains a documented procedure for identification, storage, protection, retrieval, retention, and disposition of quality records. These records are maintained for effective operation, traceability, and to demonstrate compliance to its Quality Management System. The records are kept as printed copies (i.e., "hardcopy") and/or in electronic form (i.e., "softcopy").

Records are maintained and controlled.

Records established to provide evidence of conformity to requirements and of the effective operation of the quality management system are controlled.

Records are to remain legible, readily identifiable and retrievable.

Reference:

- Control of Quality Records
  - SP 424-01

5. Management Responsibility

5.1 Management Commitment
Demonstrating commitment to the development and continual improvement of the Quality Management System is the responsibility of the Senior Management team of the organization.

- Has established a quality policy to communicate to all employees the importance of applying the ISO standards to meet customer requirements;
- Has defined quality objectives to assess the effectiveness of the Quality Management System to provide direction and achieve desired results;
- Conducts periodic management reviews to ensure that the quality policy and objectives remain relevant and suitable with respect to current operation of the organization and that the resources needed to support these objectives are sufficient and appropriately allocated; and
- Ensures that customer, statutory and regulatory requirements are determined, fulfilled and communicated.

Reference:

- Organizational Chart
  - FORM 51-01-01
5.2 Customer Focus
Top Management will demonstrate active involvement in establishing and maintaining mutually beneficial relationships between the organization and its customers. The organization will establish and maintain procedure(s) for communicating with selected customers.

5.3 The Quality Policy

**Quality Policy Statements:**

“Starcraft Bus is committed to being the leader in the small and mid-size bus market by meeting or exceeding customer requirements and providing continuous improvement.”

“StarTrans Bus is committed to continuous improvement of quality, service and safety through a partnership of customer and employee communication and innovation.”

5.4 Planning
The organization shall plan and develop the processes needed for product realization. The planning of the product realization processes shall be consistent with the Quality Management System.

5.4.1 Quality Objectives
The organization has established Quality Objectives as stated on Form 541-01. The Management Representative maintains these Quality Objectives in coordination with Senior Management and Department Managers. The Quality Objectives are reviewed, measured, and analyzed during Management Reviews, Project Review, and at other times as applicable.

In order to achieve the Quality Objectives, the organization shall:

- Strive toward continual improvement in its operations and ensure that such improvements are identified and communicated effectively.

Ensure all employees are complying with the Quality Management System and are dedicated to continually improving the effectiveness of the Quality System. In order to gauge the effectiveness of the Quality Management System, the organization Senior Management shall:

- Ensure that the Quality Policy and Objectives are communicated to and understood by the employees.
- Periodically review the performance indicators and the Quality Objectives with department managers and quality steering committee, and determine corrective action plans to remedy any deficiencies.
5.4.2 Quality Management System Planning
Senior Management ensures that the planning of the Quality Management System is accomplished to meet the Quality Objectives. Planning of the Quality Management System is carried out at appropriate stages of the product realization process.

Reference:

Form 541-01 Quality Objectives

5.5 Responsibility, Authority, and Communication

5.5.1 Responsibility and Authority
The responsibility, authority, and the interrelation of all functions related to the business process are defined and communicated to all employees.

Management Representative

- The Management Representative reports to President or General Manager on the performance of the Quality Management System and the needs for improvement.
- Ensuring the promotion of awareness of customer and ISO requirements throughout the organization.

5.5.2 Internal Communication
Senior Management has determined the channels and processes necessary to facilitate internal communication for effective implementation of the Quality Management System.

Organizational goals and customer expectations are conveyed through policy and objective statements. Periodic meetings are held with the President, General Manager, Department Managers, Supervisors and relevant personnel to discuss the latest issues relating to operation. Results of discussion, testing, and inspection are channeled to the appropriate personnel through reports, records, and meeting minutes as necessary. Other information is conveyed through memos and verbal conversation.

5.6 Management Review

5.6.1 General
Management shall review the effectiveness and suitability of the Quality Management System at least semi-annually against the quality policy and objectives and ISO 9001 requirements. The ISO Coordinator will maintain all records of this review.

5.6.2 Review Input
The review shall cover the following inputs:

- Progress toward achieving the established Quality Objectives,
• Internal and external audit results;
• Customer feedback;
• Process performance and product conformity;
• Status of preventive and corrective actions;
• Follow-up actions from previous management reviews;
• Planned changes that could affect the Quality Management System;
• Opportunities and recommendations for improvement; and
• Need for changes to the Quality Management System, including the Quality Policy and Quality Objectives.

5.6.3 Review Output
Shortcomings in the Quality Management System are being addressed and documented in the Management Review Minutes. Actions and decisions arising from the Management Review shall include:

• Improvement of the effectiveness of the Quality Management System and its processes;
• Improvement of product related to customer requirements; and,
• Resource requirements.
• Action Item List for Departments.

Reference:
Management Review Procedure
SP 56-01

6. Resource Management

6.1 Provision of Resources
In order to implement, maintain, and continually improve the Quality Management System, the organization shall determine and provide the necessary resources, including manpower, infrastructure, and work environment, geared towards fulfilling customer satisfaction.

6.2 Human Resources

Personnel performing work affecting conformity to product requirements shall be competent on the basis of appropriate education, training, skills and experience.
Conformity to product requirements may be affected directly or indirectly by personnel performing any task within the quality management system.

*Forest River – Division 5* determines the necessary competence for personnel performing work affecting conformity to product requirements.

Where applicable, *Forest River – Division 5* provides training or takes other actions to achieve the necessary competence.

### 6.2.1 General
In order to ensure that personnel performing work affecting product quality are competent, the organization exercises care in recruitment of new employees and are committed to job-related training of existing workers.

### 6.2.2 Competence, Awareness, and Training
To ensure that job competency is satisfied, new hires are selected based on their qualification and/or experience as required by the position according to the job requirements stated in the Job Description. New hires undergo employee orientation training. Where applicable, on-the-job training is given, based on judgment by the Manager.

Employees are provided with the necessary training to equip them with the basic skills to carry out their work effectively. The Managers identify employee training needs. Training is provided through internal and/or external means.

Training Records are maintained by the Quality Department.

**Reference:**
- Human Resources, Competence, Awareness, and Training Process
- SP 62-01

### 6.3 Infrastructure
The organization shall identify, provide, and maintain the infrastructure needed to achieve product conformity. This infrastructure includes workspace, associated utilities, process equipment, and supporting services.

### 6.4 Work Environment
The organization shall identify and manage the work environment needed to achieve product conformity.

The term "work environment" relates to conditions under which work is performed including physical, environmental, and other factors (such as noise, temperature, humidity, lighting, or weather).
7. Product Realization

7.1 Planning of Product Realization
In planning Product Realization, the organization determines the following requirements for the product:

- The need to establish processes, documents, and provide resources specific to the product;
- Required verification, validation, monitoring, inspection, and test activities specific to the product and the criteria for product acceptance; and
- Records needed to provide evidence that the realization processes and resulting product meet requirements.
- Establish processes, and documents, and to provide resources specific to the product
- Verification, validation, monitoring, measurement, inspection and test activities specific to the product and the criteria for product acceptance

---

All Forest River – Division 5 product realization planning occurs in 7.3 Product Development

7.2 Customer-related Processes

7.2.1 Determination of Requirements Related to the Product
The organization shall determine the following requirements relating to product:

- Customer requirements, including those for delivery and post-delivery activities;
- Requirements not stated by the customer, but necessary to meet intended purpose for use of the product;
- Product-related statutory and regulatory requirements; and
- Organization requirements and policy.

7.2.2 Review of Requirements Related to the Product
Prior to accepting a customer order, a review of the order requirements, such as price, delivery time, terms, and conditions, is conducted.

- Discrepancies arising from the review shall be resolved with the customer, and
- The organization’s capability of meeting the defined requirements is established.

When orders are placed through verbal means, the customer requirements are confirmed in writing before acceptance of the order(s).
When amendments to an order are made, the changes are documented and the relevant documents are modified. The change is conveyed to the related department through revised documents or memos.

7.2.3 Customer Communication
Sales and Office departments are responsible for handling communications with customers relating to inquiries for product information, order processing, order amendment, and customer feedback.

Reference:
- Customer Requirements, Communication, and Contract Review Process
- SP 72-01
- Flow Chart of Contract Process
- FORM 72-01

7.3 Design and Development
The Design and Development Procedure documents methods and practices relevant to design and development activities in order to achieve consistent operation and conformity to customer requirements. The documented procedure defines responsibilities of technical personnel involved in design and ensures effective communication and clarity of procedures across the various programs. The documented procedure consists of:

- Design and Development Planning
- Stages of the design and development process;
- Inputs and outputs associated with each stage;
- Required reviews, verification, and validation activities at appropriate stages to ensure the outputs meet the input requirements; and
- Control of Design and Development Changes.

Project specific plans may be developed and documented to ensure proper control of product design and related activities.

The outputs of design and development is in a form suitable for verification against the design and development input and shall be approved prior to release.

The design output also consider product packaging (when applicable)

Information for production and service provision includes details for the preservation, of product (when applicable)

Reference:
- Design and Development Process
- SP 73-01
- FORM 73-01 Product Development Authorization Form
7.4 Purchasing

7.4.1 Purchasing Process
The organization purchasing function is responsible for selecting and purchasing from suppliers who are able to meet specified purchase requirements, such as price, delivery, quality, etc. Vendors are evaluated and controlled according to processes within the organization Purchasing Department.

7.4.2 Purchasing Information
Information needed to support the purchasing activities is captured in a Purchase Order and/or other records that specify the terms and conditions for the intended purchase.

7.4.3 Verification of Purchased Product
Upon delivery of products by suppliers, shipping/receiving personnel ascertain that received products/services are in accordance with specifications and established quality parameters when possible. Final quality verification is performed at the line.

Reference:
- Purchasing Process
  - SP 74-01

7.5 Production and Service Provision

7.5.1 Control of Production and Service Provision
Process control methods used in product realization include:

- Availability of information that describes the product;
- Where necessary, use of work instructions, specifications, and other information/documents;
- Use of suitable machines and equipment;
- Availability and use of monitoring and measuring devices; and
- Implementation of product release, delivery and post-delivery support activities.

Reference:
- Process and Control Procedure
  - SP 731-01 Production Control Procedure
  - SP 731-02 Customer Service Procedure

7.5.2 Validation of Processes for Production and Service Provision
Not applicable. Forest River - Division 5 is able to identify processes for Production and Service Provision prior to release of product via monitoring and measuring.

7.5.3 Identification and Traceability
Where practical, all material and components, except for common parts and consumables, shall be clearly identified to prevent mix-up and unintended use. Material that has been verified against specific quality assurance requirements shall be clearly identified to indicate the status for use.

Identification is applied from received product to in-process and final product.

Forest River - Division 5 identifies the product status with respect to monitoring and measurement requirements throughout product realization.

Where traceability is a requirement, Forest River - Division 5 controls the unique identification of the product and maintains records.

Reference:
Product Identification and Traceability Procedure
SP 753-01

7.5.4 Customer Property
The organization shall exercise care with customer property while it is under its control. The organization will identify, verify, and protect customer property provided for use or incorporation into the product. If any customer property is lost, damaged, or otherwise found to be unsuitable for use, this information will be reported immediately to the customer and appropriate records maintained. Action will be taken to reduce further occurrences.

If any customer property is lost, damaged, or otherwise found to be unsuitable for use, Forest River - Division 5 will report this to the customer and maintain records.

Customer property can include intellectual property and personal data.

Reference:
Customer Property Procedure
SP 754-01

7.5.5 Preservation of Product
The organization shall ensure that product conformity is maintained throughout the production process until the delivery to its intended destination is completed. Conformance maintenance shall include proper identification, handling, packaging, storage, and protection of the product and the constituent components against loss, damage, and deterioration.

Reference:
Handling, Storage, Packaging, Preservation, and Delivery Procedure
7.6 Control of Monitoring and Measuring Devices
The organization shall determine the monitoring and measurement devices (i.e., test equipment) necessary to ensure product conformity and ensure that required test equipment are calibrated and/or certified to ascertain their accuracy. Calibration of test equipment used by the organization is performed externally or internally whose calibration masters can be traced and approved in accordance with national and/or international standards.

Confirmation of the ability of computer software to satisfy the intended application would typically include its verification and configuration management to maintain its suitability for use.

Reference:
- Control of Inspection, Measuring, and Test Equipment Procedure
- SP 76-01

8. Measurement, Analysis, and Improvement

8.1 General
The organization shall plan and implement processes that demonstrate product conformity to the Quality Management System and processes that support continuous improvement of the Quality Management System. These processes include, but are not limited to:

- Monitoring and Measurement of product quality;
- Control of Nonconforming Product; and
- Control of Monitoring and Measuring Devices.

- Control of Monitoring and Measuring Devices. Equipments to demonstrate conformity to product requirements **SENT NOTE TO ISO ACCEL FOR CLARIFICATION OF THIS INSERTION ON 6/18/10

8.2 Monitoring and Measurement

8.2.1 Customer Satisfaction
The organization considers customer satisfaction as an important performance indicator of the product quality process. The Dealer Satisfaction Survey (FORM 821-01) is carried out on a periodic basis to capture the feedback from the customer. Customer complaints are documented as Customer Corrective Action Requests and attended to at the earliest possible time.
Monitoring customer perception can include obtaining input from sources such as customer satisfaction surveys, customer data on delivered product quality, user opinion surveys, lost business analysis, compliments, warranty claims, reports.

8.2.2 Internal Audit

A documented procedure describing the responsibility and requirements for planning and conducting audits, reporting of results, and maintenance of records is established. Internal audits are performed at least once a year to gauge the effectiveness of actual work processes against the requirements of ISO 9001.

Audit procedures, defining the audit criteria, scope, frequency, and method, shall be planned according to the complexity of the processes. Personnel outside the audit area will be used to perform the audit. Discrepancies arising from the audit are recorded on audit report forms and action taken as required for resolution.

A documented procedure has been established to define the responsibilities and requirements for planning and conducting audits, establishing records and reporting results.

The managers for the area being audited ensure that any necessary corrections and corrective actions are taken without undue delay to eliminate detected nonconformities and their causes.

Records of the audits and their results are maintained.

Reference:

Internal Auditing Procedure

8.2.3 Monitoring and Measurement of Processes

Suitable methods are applied for monitoring, and where applicable, measurement of the Quality Management System processes, including support processes. These methods shall demonstrate the ability of the processes to achieve planned results. When processes are found to be nonconforming, corrective action shall be taken, as required, to ensure conformity of the process.

When determining suitable methods Forest River – Division 5 considers the type and extent of monitoring or measurement appropriate to each of its processes in relation to their impact on the conformity to product requirements and on the effectiveness of the quality management system.

8.2.4 Monitoring and Measurement of Product

Managers ensure that proper records are kept to demonstrate the evidence of conformity for the monitoring and measurement carried out. Managers shall ensure that results of such activities, such as inspection/test reports, are recorded as evidence of conformity with the acceptance criteria and authorized by the personnel responsible for release of product.
Product release without completion of planned arrangement and endorsement of monitoring and measurement activities is not allowed. However, should circumstances arise where urgent release is required, the approval of department head or other authorized personnel and where applicable, customer approval shall be obtained.

Evidence of conformity with the acceptance criteria will be maintained.

Records will indicate the person(s) authorizing release of product for delivery to the customer.

The release of product and delivery of service to the customer will not proceed until the planned arrangements have been satisfactorily completed, unless otherwise approved by a relevant authority and, where applicable, by the customer.

Reference:
Inspection and Testing Procedure
SP 824-01

8.3 Control of Nonconforming Product
Nonconforming product refers to material, equipment and the organization created product that is out of specification. A documented procedure is established for handling nonconforming product to prevent unintended use.

A documented procedure has been established to define the controls and related responsibilities and authorities for dealing with nonconforming product.

Where applicable, Forest River – Division 5 will deal with nonconforming product by one or more of the ways as described in the referred procedure.

Forest River – Division 5 will take action appropriate to the effects, or potential effects, of the nonconformity when nonconforming product is detected after delivery or use has started.

When nonconforming product is corrected it will be subject to re-verification to demonstrate conformity to the requirements.

Records of the nature of nonconformities and any subsequent actions taken, including concessions obtained, will be maintained.

Reference:
Control of Nonconforming Product Procedure
SP 83-01
8.4 Analysis of Data
Where deemed suitable and useful, data related to the Quality Management System are collected and analyzed to gauge effectiveness and to determine where continual improvement can be made. The data analysis shall include the following areas:

- Customer satisfaction;
- Product conformance to requirements; and
- Process trends and product characteristics.

Reference:
- Analysis of Data Procedure
- SP 84-01

8.5 Continual Improvement, Corrective Action and Preventive Action

Forest River – Division 5 will take action to eliminate the causes of nonconformities in order to prevent recurrence.

The Initiator assigned will review and verify the effectiveness of the preventive action taken.

8.5.1 Continual Improvement

The monitoring and measurement processes are focused on the key areas listed below:

- Customer satisfaction;
- Internal audit;
- Processes; and
- Product.

8.5.2 Corrective Action

Corrective action is taken to prevent recurrence upon detection of nonconformities. A documented procedure is established for corrective action that includes the following activities:

- An investigation will be carried out for nonconformities that warrant corrective action in order to determine the causes;
- Corrective action results will be recorded; and
- Follow-up on the action taken to verify the implemented solution’s effectiveness.
Reference:
Corrective Action Request Procedure
SP 852-01 Corrective Action Request

8.5.3 Preventive Action
Preventive action is taken to address potential (not yet happened) nonconformities to prevent occurrence. A documented procedure is established for preventive action that includes the following activities:

- Identify potential nonconformities and their causes;
- Evaluate whether or not there is a need to implement preventive actions;
- Implement the preventive action;
- Record the results of the preventive action taken; and
- Verify the effectiveness of the preventive action taken.

Reference:
Preventive Action Procedure
SP 853-01
STURAA TEST

7 YEAR

200,000 MILE BUS

from

STARCRAFT BUS,
A DIVISION of FOREST RIVER INC.

MODEL ALLSTAR -25

FEBRUARY 2006

PTI-BT-R0518

The Pennsylvania Transportation Institute
201 Research Office Building (814) 865-1891
The Pennsylvania State University
University Park, PA 16802

Bus Testing and Research Center
2237 Old Route 220 N. (814) 695-3404
Duncansville, PA 16635
EXECUTIVE SUMMARY

Starcraft Bus, a Division of Forest River Inc. submitted a model Allstar-25, gasoline-powered 17 seat (including the driver) 25-foot bus, for a 7 yr/200,000 mile STURAA test. The odometer reading at the time of delivery was 529.0 miles. Testing started on December 6, 2005 and was completed on February 14, 2006. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of the test program is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test was started on December 14, 2005 and was completed on February 1, 2006.

The interior of the bus is configured with seating for 17 passengers including the driver + 1 wheelchair position. Free floor space will accommodate 10 standing passengers resulting in a potential capacity of 27 persons + 1 wheelchair position. At 150 lbs per person 600 lbs per wheelchair position; this load results in a measured gross vehicle weight of 13,950 lbs. The first segment of the Structural Durability Test was performed with the bus loaded to a GVW of 13,950 lbs. The middle segment was performed at a seated load weight of 12,500 lbs and the final segment was performed at a curb weight of 9,510 lbs. Durability driving resulted in no unscheduled maintenance and failures.

Accessibility, in general, was adequate, components covered in Section 1.3 (Repair and/or Replacement of Selected Subsystems) along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted.

The Reliability section compiles failures that occurred during Structural Durability Testing. Breakdowns are classified according to subsystems. The data in this section are arranged so that those subsystems with more frequent problems are apparent. The problems are also listed by class as defined in Section 2. The test bus encountered no failures during the Structural Durability Test.

The Safety Test, (a double-lane change, obstacle avoidance test) was safely performed in both right-hand and left-hand directions up to a maximum test speed of 45 mph. The performance of the bus is illustrated by a speed vs. time plot. Acceleration and gradeability test data are provided in Section 4, Performance. The average time to obtain 50 mph was 13.75 seconds.

The Shakedown Test produced a maximum final loaded deflection of 0.224 inches with a permanent set ranging between -0.003 to 0.005 inches under a distributed static load of 10,725 lbs. The Distortion Test was completed with all subsystems, doors and escape mechanisms operating properly. Water leakage observed during the test at the top of the rear door between the door and the door frame.
The test bus was not equipped with any type of tow eyes or tow hooks, therefore, the Static Towing Test was not performed. The Dynamic Towing Test was performed by means of a front-lift tow. The towing interface was accomplished using a hydraulic under-lift wrecker. The bus was towed without incident and no damage resulted from the test. The manufacturer does not recommend towing the bus from the rear; therefore, a rear test was not performed. The Jacking and Hoisting Tests were also performed without incident. The bus was found to be stable on the jack stands, and the minimum jacking clearance observed with a tire deflated was 8.8 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 6.39 mpg, 6.90 mpg, and 10.17 mpg respectively; with an overall average of 7.32 mpg.

A series of Interior and Exterior Noise Tests was performed. These data are listed in Section 7.1 and 7.2 respectively.
December 16, 2014

Larry Hall
Director of Engineering
Starcraft Bus, Division of Forest River, Inc.
2367 Century Drive
Goshen, IN 46528

Dear Mr. Hall,

This is in response to your letters dated November 7, 2014 and November 13, 2014 and an email dated December 2, 2014 in which you requested assistance from the Federal Transit Administration (FTA) concerning the applicability of the Bus Testing Regulation (49 CFR Part 665) to Starcraft bus models being sold as Startrans bus models. In your letters, email and subsequent phone discussions you indicated that:

- Forest River Inc. has purchased the “Startrans” brand. As a result, Forest River intends to offer comparable Starcraft bus models branded as existing Startrans bus models and leverage the existing Startrans bus dealer network to deliver them to FTA grantees.

- The future Startrans bus models will be produced on the same production line as the comparable Starcraft bus models. The remaining Startrans bus production runs to fulfill open contracts will be completed on the Startrans production lines. Once those are completed, all future Startrans bus models will be Starcraft products.

- Starcraft would like to use the existing Starcraft bus testing reports as evidence of satisfying the Bus Testing regulation for the future Startrans bus models built on the Starcraft production lines. The corresponding Starcraft bus model for each Startrans bus model is provided in the table below. The test report for the Starcraft Allstar is PTI-BT-0518. This report also covers the Starlite bus model which is a narrow body version of the Allstar. The test report for the Allstar XL is PTI-BT-0815.
<table>
<thead>
<tr>
<th>Existing Startrans Bus Model</th>
<th>Corresponding Starcraft Bus Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Senator II</strong></td>
<td></td>
</tr>
<tr>
<td>Chassis: Ford E-350/450 &amp; GM 3500/4500</td>
<td>Allstar</td>
</tr>
<tr>
<td>Chassis: Ford E-350/450 &amp; GM 3500/4500</td>
<td>Allstar</td>
</tr>
<tr>
<td><strong>Senator II MFSAB</strong></td>
<td></td>
</tr>
<tr>
<td>Chassis: Ford E-350/450 &amp; GM 3500/4500</td>
<td>Allstar</td>
</tr>
<tr>
<td>Chassis: Ford E-350/450 &amp; GM 3500/4500</td>
<td>Allstar</td>
</tr>
<tr>
<td><strong>Candidate II</strong></td>
<td></td>
</tr>
<tr>
<td>Chassis: Ford E-350/450</td>
<td>Starlite</td>
</tr>
<tr>
<td>Chassis: Ford E-350/450</td>
<td>Starlite</td>
</tr>
<tr>
<td><strong>Senator II IID</strong></td>
<td></td>
</tr>
<tr>
<td>Chassis: Ford F-450/550</td>
<td>Allstar XL</td>
</tr>
<tr>
<td>Chassis: Ford F-450/550</td>
<td>Allstar XL</td>
</tr>
</tbody>
</table>

You have asked FTA to determine if any testing will be required to offer the existing Starcraft bus models with the “Startrans” name as identified above. FTA has reviewed your request and has determined that the Starcraft Allstar, Starlite, and Allstar XL built on the Starcraft production line can be offered to FTA grantees as the Startrans Senator II, Senator II MFSAB, Candidate II, Senator II HD **without any additional testing**. Starcraft should submit the latest comparable chassis test report that reflects the correct chassis, fuel type and fuel conversion supplier (if an alternative fuel conversion) and powertrain of the Startrans bus being offered to FTA grantees. This report is in addition to submitting the applicable Starcraft test report (PTI-BT-0518 or PTI-BT-0815).

This determination is based on the changes outlined to FTA as stated above. Should you make any other changes to the bus models, additional testing may be required. Feel free to contact me at the address above, or by e-mail (gregory.rymarz@dot.gov), fax (202-366-3765), or telephone (202-366-6410) with any other questions.

Sincerely,

[Signature]

Gregory Rymarz
Bus Testing Program Manager
Office of Mobility Innovation, TRI-12
September 12, 2018

Arunel Ford
1561 Portland Road
Arunel, ME 04046

RE: RFP # 17A18062900000000000691
17A18062900000000000692

Please be advised that Arundel Ford is a fleet oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

Peter Madore
Arunel Ford, General Manager
September 7, 2018

Agency: Advanced Modifications
Address: 1766 Hammond St.
Address: ME 04401

RE: RFP #17A18062900000000000691
17A18062900000000000692

Please be advised that Advanced Modifications, Inc. is a fleet oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components/as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

[Signature]

Gina Bennett
President
September 10, 2018

RE: RFP # 17A18062900000000000691
     17A18062900000000000692

Please be advised that W.C. Cressey and Son, Inc. is a fleet-oriented service facility and is fully authorized and capable of servicing the chassis, bus bodies, and sub components as proposed and supplied by Matthews Buses Commercial. We have entered into a contract for this service and this offer of service is applicable only to vans and buses delivered by Matthews Buses Commercial.

Sincerely,

[Signature]

Brian P. Cressey
President
Maine DOT Ford locations – Warranty Work Approvals

   Ford → Quirk FORD → 1-207-560-1372, → 7 Water Street, Hallowell, ME 04347
   Walt O’Neal → Service Manager → wonegal@quirkauto.com

2. Regional Transportation Program → 127 Saint John St, Portland, ME 04102 (e-mailed 9-11)
   Ford → Casco Bay Ford → 207-846-5577, → 1213 U.S 1 Yarmouth, ME 04096

3. York County Comm. Action → 6 Spruce Street Sanford, ME 04073 (e-mailed)
   Ford → Arundel Ford (Repair) → 866-404-3178, → 1561 Portland Road, Arundel, ME 04046
   Ralph “Bud” Finch → Said yes, sent paperwork
   Peter adores — General Manager - pmadore@arundelford.com

4. Western Maine Transportation Services →
FORD SCHEDULED PREVENTATIVE MAINTENANCE SUGGESTIONS:

Check every month

Engine oil level.
Function of all interior and exterior lights.
Tires (including spare) for wear and proper pressure.
Windshield washer fluid level.

Check every six months

Battery connections. Clean if necessary.
Body and door drain holes for obstructions. Clean if necessary.
Cooling system fluid level and coolant strength.
Door weatherstrips for wear. Lubricate if necessary.
Hinges, latches and outside locks for proper operation. Lubricate if necessary.
Parking brake for proper operation.
Safety belts and seat latches for wear and function.
Safety warning lamps (brake, ABS, airbag and safety belt) for operation.
Washer spray and wiper operation. Clean or replace blades as necessary.

NORMAL SCHEDULED MAINTENANCE

Maintenance

Change engine oil and filter.

Rotate tires, inspect tire wear and measure tread depth.

Inspect wheels and related components for abnormal noise, wear, looseness or drag.

Perform multi-point inspection that is recommended.

Vehicles with dual rear wheels should rotate the front wheels when specified; rear wheels only if unusual wear is noted.

Maintenance
Inspect automatic transmission fluid level. Consult dealer for requirements.

Inspect brake pads, rotors, hoses and parking brake.

Inspect engine cooling system strength and hoses.

Inspect exhaust system and heat shields.

Inspect steering linkage, ball joints, suspension, tie-rod ends, driveshaft and U-joints.

### Other Maintenance Items

<table>
<thead>
<tr>
<th>Every 30000 mi (48,000 km)</th>
<th>Replace engine air filter. Torque rear axle U-bolts to specification.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Every 60000 mi (96,000 km)</td>
<td>Replace front wheel bearing grease and grease seal if non-sealed bearings are used.</td>
</tr>
<tr>
<td>Every 97500 mi (157,000 km)</td>
<td>Replace spark plugs.</td>
</tr>
<tr>
<td>Every 105000 mi (168,000 km)</td>
<td>Replace rear axle fluid. See Special Operating Conditions Scheduled Maintenance.</td>
</tr>
<tr>
<td>Every 150000 mi (240,000 km)</td>
<td>Change engine coolant.</td>
</tr>
<tr>
<td></td>
<td>Inspect accessory drive belts.</td>
</tr>
<tr>
<td></td>
<td>Change automatic transmission fluid.</td>
</tr>
<tr>
<td></td>
<td>Change automatic transmission filter.</td>
</tr>
<tr>
<td></td>
<td>Replace accessory drive belts if not replaced within the last 100000 mi (160,000 km).</td>
</tr>
<tr>
<td></td>
<td>Replace front wheel bearings and seals if non-sealed bearings are used.</td>
</tr>
<tr>
<td>Every 200000 mi (320,000 km)</td>
<td>Change engine coolant if your vehicle has yellow-colored coolant.</td>
</tr>
</tbody>
</table>

Initial replacement at six years or 105,000 mi (168,000 km), then every three years or 45,000 mi (72,000 km). If not replaced, inspect every 15,000 mi (24,000 km). Initial replacement at ten years or 200,000 mi (320,000 km), then every five years or 100,000 mi (160,000 km).
Maintenance Manual
MAINTENANCE MANUAL

This booklet has been designed and written to supply information regarding maintenance requirements for all makes and models built by StarTrans Bus.

As the owner of a new StarTrans Bus product, it is important to recognize the importance of performing routine maintenance during the warranty period. Just like oil changes, if proper maintenance is not performed, the warranty coverage can be denied.

Familiarizing yourself with this manual will help you make sure that proper maintenance is performed. Please remember, routine maintenance is not covered by warranty.

With proper and scheduled maintenance on your StarTrans Bus, we believe you will enjoy your StarTrans Bus for many years to come.

FLASH DRIVE

In an effort to provide our dealers and end user customers with the most current and up-to-date information on your bus, StarTrans Bus has provided you with a flash drive. This flash drive contains a large amount of important information regarding your specific vehicle. Please take time to review the material housed on the drive.

You will find this flash drive in a small manila folder within your new bus packet.

IMPORTANT:
CONTACT YOUR SELLING DEALER PRIOR TO HAVING ANY WARRANTY WORK PERFORMED ON YOUR BUS.

The information provided in this maintenance manual is neither intended to nor should it be used to replace the chassis and other component manufacturers' service, warranty and care information.
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CHAPTER 1 – CHASSIS AND FRAME

Your StarTrans Bus vehicle is designed to be as maintenance free as possible. However, all vehicles require some care to reduce the possibility of unwanted breakdowns during travel. Maintenance to your bus may not seem necessary at the time of purchase, yet it is very important to keep your bus in its best condition for your enjoyment and use. Normal maintenance is required to maintain warranty coverage, reduce wear, and prolong the life of your bus.

Engine
• Start the engine every 15 days.
• Run it at fast idle until it reaches normal operating temperature.
• Shift the transmission into all gears while engine is running.

Fuel System
• Regularly move vehicles short distances to mix fuel anti-oxidation agents.
• For vehicles being stored for prolonged periods, a commercial gasoline or diesel fuel stabilizer should be used.
• For more information please refer to your Ford, GM, or Freightliner Owner’s and maintenance manuals that came with your bus.

Tires & Wheels
• Tires installed on your bus are matched to the weight of your vehicle according to the rating of the tires. The most important item in tires is to inspect and check air pressure no less than once per week, perhaps daily during travel. Correct PSI air pressure is listed on each tire as per rating (shown on data sticker on the driver side door jamb). When air pressure is not maintained as specified, tires will run hot, especially in summer months and blow outs can occur. Pressure must always be checked when tires are cold, preferably in the morning. DO NOT adjust or lower tire pressure when warm, as it will be too low when cool. All tire pressures rise when tires are moving on roadway. A tire is considered “cold” after 3 hours of not moving. Again, please refer to your Ford, GM, or International Owner’s and Maintenance Manual for torque specifications, cleaning procedures, etc.
• Alignments are NOT performed by StarTrans Bus. Please confirm with your selling dealer to determine if an alignment has been completed on your StarTrans Bus (alignments are not a warrantable expense with StarTrans Bus).
CHAPTER 1 – CHASSIS AND FRAME

Axles, Bearings, Brakes and Hubs
• Verify that all linkages, cables, levers, and clevis points under the vehicle are covered with grease to prevent rust.
• Move trucks at least 25 feet every 15 days to lubricate working parts and prevent corrosion.
• For more information please refer to your Ford, GM, or Freightliner Owner’s and maintenance manuals that came with your bus.

CHAPTER 2 – EXTERIOR

Metal
• Galvanized steel skin pre-painted white with an automotive paint finish. To clean, use a mild detergent soap and water.
• Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

Fiberglass – Gel Coat
• Fiberglass skin is painted and prepared by StarTrans Bus with an automotive paint finish. To clean, use a mild detergent and warm water using a soft brush or rag.
• Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

TPO / ABS
• TPO / ABS can come in a wide range of textures and colors. It is a strong plastic compound (ABS) or rubber compound (TPO) commonly used for molded articles within the manufacturing industry and is used for a wide range of production components inside and outside of your StarTrans Bus. The most common exterior components are fender flares on your StarTrans commercial shuttle bus.
• TPO / ABS components are lightweight and strong, however the surface is not as hard as fiberglass and can scratch easily.
• The proper care, cleaning and maintenance of your TPO and ABS components is quite simple because of the basic properties and longevity of the material itself.
• Periodic cleaning is the primary maintenance. StarTrans Bus suggests using Murphy’s Oil Soap with a soft nylon brush or sponge. DO NOT USE solid or granulated cleaners, as they will mar the natural finish.
CHAPTER 2 — EXTERIOR

• Do not use Armor All or other oil solvent base cleaners on your TPO or ABS components as they will leave a slick surface.
• A good thorough cleaning should keep your TPO and ABS components looking good and remove most stains. For more stubborn stains, you should contact your StarTrans Bus authorized dealer.
• DO NOT use citrus based cleaners on ABS materials. The ABS will break down and become brittle.

Exterior Roof
• To clean, use a mild detergent and warm water using a soft brush or rag.
• Use an automotive type wax or polish; same as you may use on your personal vehicle. By waxing your bus once a year, it retains its nice, new appearance.

Underbody
• Most individuals are aware of the effects that prolonged exposure to salt and ice melting chemicals have and the adverse effects on any coated metal surfaces, our chassis are no exception. The effects of these corrosives are magnified with time and therefore should be removed from the chassis as soon as possible after a unit has been on the road.
• Washing the frame is especially important during the winter driving season. The danger of exposure to road chemicals is not limited to only the northern snow states. Many southern states use salt and ice melt solutions as well, and any vehicle which originates from a northern state has potential exposure.

Extrusions and Vents
• All components installed on the exterior of your bus have some type or form of “putty/foam tape” placed between the mounting flange or surface to guard against water entry and leakage.
• Additional sealant, referred to as "cap seal" is used to protect along the edges of extrusions or be a secondary surface sealant. All of these sealants are subject to weather elements such as UV rays from the sun, rain, snow, cold, heat, air pollution, frost and other exposures causing dry-out, shrinkage and possible cracking.
• Cap seal must be examined each year, preferably each spring and fall, for looseness, cracking, and separation from any attached surface. If upon inspection you find the above conditions, repairs must be made. These conditions will permit water to enter slowly and eventually cause water damage.
CHAPTER 2 – EXTERIOR

• Corner and roof extrusions have "putty tape" sealant between the components. This material can and will also dry and/or crack from weather elements, permitting leakage and eventually major deterioration. StarTrans Bus advises the owner to have these extrusions removed, and have the old putty tape replaced with new sealant material every five years.
• Windows, entrance doors, and cargo doors (but not limited to) may also use a closed cell foam seal. The seal may also deteriorate over time, lose its memory, and shrink with weather conditions, etc., over a period of five years.
• All sealants must be maintained to prevent failure plus leakage damage. For best results, sealant requirements are:
  - Resistant to checking
  - Resistant to shrinking
  - Dries rapidly
  - Adheres to metal, TPO, and fiberglass
  - Expands and contracts with temperature changes
  - Color should match
  - For suggested sealants, please contact your StarTrans Bus servicing dealer.

• AT LEAST THREE TIMES PER YEAR, INSPECT ALL ROOF SEAMS; FRONT, REAR AND ALL AROUND VENTS AND ATTACHMENTS. Remove any loose sealant and reseal these areas. For a list of recommended sealants, please contact our authorized StarTrans Bus dealer. FAILURE TO INSPECT AND CORRECT CAN VOID THE WARRANTY COVERAGE, CLASSIFIED AS NEGLIGENCE.

CHAPTER 3 – SYSTEMS

Batteries
• As a manufacturer, we suggest you have your bus inspected each spring to check for any loose wires and/or loose connections in the load center and have tightened if loose. Also, have the fuses inspected for continuity and operation.
• Maintaining the state-of-charge while vehicles are in storage or not being used is the bus owner's responsibility.
CHAPTER 3 – SYSTEMS

• Check the battery state-of-charge every 15 days. If the battery eye is “red,” recharge the battery until the eye turns green. Check battery condition for possible storage damage using either a Bear or Midtronics battery tester. Batteries without an eye – recharge if the voltage is less than 12.40 volts.

• Batteries, whether supplied from manufacturer or dealer, require constant inspection and maintenance. To preserve long life in any battery, three important functions are required: Charge battery every 30-60 days to keep fully charged during non-use, especially during winter months. Certain types require water to be checked and added as necessary. Keep water above cell mass to avoid permanent damage. Store battery in a cool place when not in use, around 40 degrees Fahrenheit.

• A fully charged battery will measure at 1.265 specific gravity. A discharged battery will measure at 1.120 specific gravity or 11.7 volts DC. A hydrometer is required to measure “specific gravity.”

• Most batteries with deep cycle rating require water to be added as needed. This depends on the amount of draw time that is on that specific battery.

• Use distilled water if possible as it is nearly mineral free. Not keeping batteries charged will result in shorter life expectancy.

• Be sure to keep all battery terminals clean at all times to ensure good contact.

Air Conditioning
CHAPTER 3 – SYSTEMS

• USE EXTREME CAUTION AROUND ENGINE COMPARTMENT AND ANY OTHER MOVING PARTS. HAVE SYSTEM MAINTENANCE AND SERVICE PERFORMED BY A QUALIFIED TECHNICIAN.
• For the below information, refer to the illustration on Page 6.
  1 = Charge Level / Pressure
• Recharging MUST be done by a QUALIFIED TECHNICIAN.
  2 = Evaporator Filters
• A properly maintained, clean filter maximizes air flow and system performance.
• Filters should be inspected visually every month and cleaned/replaced as needed.
  2 = Evaporator Coil(s)
• A properly maintained, clean evaporator coil will ensure maximum heat transfer and system performance.
  2 = Evaporator Blower(s)
• Proper air flow across evaporator coil allows for efficient heat transfer. Be sure to check to make sure all blowers are actually operating.
  3 = Evaporator Drain Line(s)
• Prevents water from collecting in the evaporator drain pan. On a hot humid day the evaporator should drip water under the vehicle.
  4 = Sight Glass / Moisture Indicator(s)
• Deep Green OR Purple = Absence of Moisture.
• Yellow OR Pink = Moisture is present – IMMEDIATE SYSTEM SERVICE IS REQUIRED TO PREVENT SYSTEM DAMAGE.
  5 = Condenser Coil(s)
• A properly maintained, clean condenser coil will ensure maximum heat transfer and system performance. Clean with non-caustic cleaner.
  5 = Condenser Fan(s)
• Proper air flow across condenser coil allows for efficient heat transfer. Check to make sure all fans are actually operating when compressor is engaged.
  6 = Hoses / Piping
• Properly supported hoses prevent the possibility of refrigerant leaks. Check for residue around connections (sign of refrigerant leak) / hose wear from rubbing other objects / loose or missing clamping.
  7 = Wiring Harness(es)
• Properly supported and protected harnesses prevent the possibility of electrical issues.
CHAPTER 3 – SYSTEMS

8 = Compressor Belt(s)
  • Properly tensioned belts ensure maximum compressor performance and belt life.

CHAPTER 4 – INTERIOR

TPO / ABS
  • TPO / ABS can come in a wide range of textures and colors. It is a strong plastic compound (ABS) or rubber compound (TPO) used commonly for molded articles within the manufacturing industry and is used for a wide range of production components inside and outside of your StarTrans Bus.
  • TPO / ABS components are lightweight and strong, however the surface is not as hard as fiberglass and can scratch easily.
  • The proper care, cleaning and maintenance of your TPO and ABS components is quite simple because of the basic properties and longevity of the material itself.
  • Periodic cleaning is the primary maintenance. StarTrans Bus suggests using Murphy’s Oil Soap with a soft nylon brush or sponge. DO NOT USE solid or granulated cleaners, as they will mar the natural finish.
  • Do not use Armor All or other oil solvent based cleaners on your TPO or ABS components as they will leave a slick surface.
  • A good thorough cleaning should keep your TPO and ABS components looking good and remove most stains. For most stubborn stains, you should contact your StarTrans Bus authorized dealer.
  • DO NOT USE citrus based cleaners on ABS materials. The ABS will break down and become brittle.

Wall / Ceiling Covering – Vinyl
  • To clean, use a mild solution of soap and water with a sponge or soft cloth. DO NOT use any abrasive cleaner as scratching of vinyl could occur, causing dull colors and/or scratches. Avoid cleaners with bleach. For stubborn stains, you may need a strong all-purpose spray cleaner which will need to be sprayed on and QUICKLY wiped off.

Wall / Ceiling Covering – Fabric
  • To clean fabric wall covering of dust, use a soft attachment of a vacuum cleaner. To remove solid spots on fabric use clear Ivory dish washing liquid and water.
CHAPTER 4 – INTERIOR

Flooring
• To care for and clean your floor covering, use a mild soap in water and a damp cloth. DO NOT pour water on floors as it may seep under / in attachment points in the buses floor.

Seating – Vinyl
• To clean, use a mild solution of soap and water with a sponge or soft cloth. DO NOT use any abrasive cleaner as scratching of vinyl could occur, causing dull colors and/or scratches. Avoid cleaners with bleach. For stubborn stains you may need a strong all-purpose spray cleaner which will need to be sprayed on and QUICKLY wiped off.

Seating – Fabric
• To clean fabric seat covering of dust, use a soft attachment of a vacuum cleaner. To remove solid spots on fabric use clear Ivory dish washing liquid and water.
*For more stubborn stains you may need to contact your authorized StarTrans Bus dealer.

Windows
• On window(s) which have opening sliders, there are “weep or drain” holes at lower sections of frame extrusions, generally at the end of each moveable panel. Dirt, debris, insects, etc. can and will accumulate, potentially plugging up these weep holes. Should water accumulate (stand in threshold of window), your weep holes and / or channels in window have become plugged. Be sure to keep these draining areas open at all times.

CHAPTER 5 – WHEELCHAIR LIFT

• Regular maintenance of the wheelchair lift will help optimize its performance and reduce the need for repairs. This chapter contains cleaning and lubrication instructions.
• Lubrication
Lubrication should be performed at least every six months, or sooner depending on usage. Lubricate lift at torsion springs (both sides with penetrating oil); knuckle links (both sides with penetrating oil), and; the hinge (with penetrating oil). Lubricate the outer barrier (both sides with a dry graphite lubricant).
CHAPTER 5 – WHEELCHAIR LIFT

• Cleaning
  Regular cleaning with mild soap (i.e. dish soap, car wash liquid) and
drying thoroughly will protect the lifts’ painted surfaces. Cleaning is
especially important in areas where roads are salted in winter. Make sure
that lift pivot points remain clear and clean prior to lubrication.

Maintenance Schedule
• Under normal operation conditions, maintenance inspections are required
  at least every six months (1750 cycles).
• Service should be increased under conditions of heavier use (more than
  10 cycles per day).

• 10 Cycles
  - Listen for abnormal noises as lift operates (i.e. grinding or binding
    noises).
  - Verify that control pendant is undamaged and cable connector is tight.
  - Verify that system properly detects objects in threshold area and
    actuates the audible alarm.
  - Verify that sensor inhibits downward movement of platform when a
    weight is present on lowered bridgeplate.

• 150 Cycles
  - Inspect electrical wiring for frayed wires, loose connectors, etc.
  - Place vehicle in non-interlock mode and verify that lift does not operate.
  - Verify that lift decals are properly affixed, clearly visible, and
    legible. Replace, if necessary.
  - Verify that armrest fasteners are properly tightened.
  - Verify that mounting and support points are undamaged.
  - Verify that mounting bolts are sufficiently tight and free of
    corrosion.
  - Verify that link pins on arms are properly installed, free from damage,
    and locked in position.
  - Verify that bridgeplate operates without binding during lift functions.
  - Verify that bridgeplate deploys fully when platform stops at floor
    level.
  - Verify that bridgeplate rests flat against baseplate.
  - Verify that rollstop is opened completely when platform is at ground
    level.
  - Verify that rollstop closes and locks when platform leaves ground.
CHAPTER 5 – WHEELCHAIR LIFT

• 1800 Cycles
  - Clean lift with mild soap and water and wipe dry. Prevent rust by coating all surfaces with a light weight oil. REMOVE EXCESS OIL.
  - Spray penetrating oil where specified in the Lubrication section in this chapter. Remove excess from surrounding areas.

• 3600 Cycles
  - A certified technician must perform the following safety check(s).
  - Check hydraulic cylinder for evidence of leaks.
  - Inspect hydraulic hoses for damage.
  - Verify that all fittings are tight.

CHAPTER 6 – WHEELCHAIR TIE DOWNS

The “Q’Straint, M-series or QRT MAX” systems are very flexible in accommodating most wheelchair styles as shown below.

![Child Stroller Wheelchair – Rear Attachments](image1)

![Standard Power Wheelchair – Front Attachments](image2)

It is recommended that Tri-Wheeler users transfer to an ambulatory seat. However, if this procedure is not possible, securement of the Tri-Wheeler and its occupant can be accomplished by using the optional Q’Straint rear middle belt G5-5010 and fastening it to a solid frame member on the base of the Tri-Wheeler chair and then by following all regular Q’Straint securement instructions.

• Auxiliary wheelchair equipment should be effectively secured to the wheelchair or removed from the wheelchair and secured in the vehicle during transport so as to not break free and cause injury in an impact.

• Whenever possible, items attached to the wheelchair in front of the passenger should be removed and secured separately during transportation to prevent potential injury to the passenger.
CHAPTER 6 – WHEELCHAIR TIE DOWNS

Maintenance
• Inspect your Q'Straint, M-Series and/or QRT Max series regularly, before and after every use.
• The Q'Straint, M-Series and/or QRT Max series must be replaced if suspected to have been in use during impact or show ANY sign(s) of damage or excessive wear and tear. Belts should be replaced if they have been worn during impact, even if the damage is not obvious.
• Prevent contamination of belt webbing from oil, gases, polishes and chemicals, in particular – battery acid.
• Be sure to visually inspect the wheelchair tie down tracking for dirt and debris after every use. This should be cleaned out with a shop vac as needed.

CHAPTER 7 – ENTRY DOORS

Six-month Actuator Maintenance Schedule
- Lubricate the main gears with white lithium aerosol grease.
- Lubricate all other moving parts with white lithium grease.
- Inspect the open limit switch actuating tab for proper adjustment. Ensure that it is limiting the operator from driving the doors past 90 degrees while opening. Adjust as required (this can be performed by an authorized StarTrans Bus dealer).
- Inspect the operation of the current sensing system built into the motor control board. The red LED must illuminate when the door reaches the fully closed position.
- Inspect for bent push-pull rods; replace as necessary (replacement and parts for replacement should be handled through an authorized StarTrans Bus dealer).
- Inspect the entire system for loose fasteners or components. Repair as required (this can be handled by an authorized StarTrans Bus dealer).
- Inspect for tightness of the set screws binding the actuator arms to the door leaf drive hex. Tighten or replace as needed.
- Inspect emergency release lever for proper operation. Lubricate the shaft running through the center of the body with WD-40 or equivalent.

Six-Month Door Leaf Maintenance Schedule
- Inspect all door frame mechanical joints for looseness. Tighten as needed.
CHAPTER 7 – ENTRY DOORS

- Inspect torque arm attaching rivets for looseness. Replace as needed (this can be handled through an authorized StarTrans Bus dealer).
- Inspect lower door hinge pivot for any defects and repair or replace as required (this can be handled through an authorized StarTrans Bus dealer).
- Inspect door leaf center overlap seal for damage. Clean only with a mild detergent.

CHAPTER 8 – EMERGENCY EXIT / ESCAPE HATCH

Emergency Exit / Escape Hatch
All StarTrans Bus products are equipped with an EMERGENCY EXIT hatch.
Please review and understand fully the information in this chapter.

Opening an Emergency Hatch

1. Rotate the red knob 90 degrees in either direction.
2. Push the red knob into the lid.
3. Continue to push the lid to the fully open position.
CHAPTER 8 – EMERGENCY EXIT / ESCAPE HATCH

Closing an Emergency Hatch

1. If the hatch was opened with the lid in the fully closed position, the release hinge will still be in the down position.

2. Push the release hinge upward to the position shown above.

3. Lower the lid into position.

4. Guide the release hinge into the handle base on the lid as shown above.

5. Pull down on the top of the lid to force the release hinge and the lid together until you hear “clicks.” This will be the spring loaded handle setting in place.

6. Grasp both sides of the lid and pull down to fully close the hatch.

7. Rotate the red knob back into position.

8. The red knob should be in this position during normal operation of the vehicle.
CHAPTER 9 – CHILD CHECKMATE SYSTEM

EP1 Operation Check List

- Upon starting the bus, the EP1 Alarm Unit will emit an audible noise indicating that the system is now operational.
- Close the front door and turn on the master switch. Open the front door and the red overhead lights will flash.
  - Expect an audible sound from the EP1 Alarm Unit as the red lights are activated.
- Close the front door and the overhead lights will stop flashing.
- Turn the ignition to the "OFF" position. The system's alarm, a high-pitched beep, will begin to sound. After approximately eight seconds, the bus horn will begin to sound on and off.
- Turn the ignition back to the "ON" position. The EP1 Alarm Unit will sound a high pitch tone three times at 30 second intervals (90 seconds) reminding the driver to perform their child check.
- Proceed to the rear of the bus and depress the RVT Reset Button for at least three seconds. You will hear the deactivation signal, a rapid chirping sound from the EP1.
  - Note: The Child Checkmate EP1 system's deactivation process is designed so that the ignition key must remain in the "OFF" position for at least one second before switching to the "IGNITION" or "ACCESSORY" position.
- The system has now been deactivated and the key can be removed safely from the ignition.

DOME LIGHT OPTION — IF EQUIPPED

- Turn the ignition to the "ON" position to illuminate dome lights for 20 seconds.
- Once the system has been activated, turn the ignition to the "OFF" position and the dome lights will illuminate.
- Turn ignition to the "ON" position. The dome lights will remain illuminated. Proceed to the rear of the bus to deactivate the system.
- The dome lights will remain on for two minutes.
- Stepping on the brake pedal will trigger an audible sound. This will also turn the dome lights off.
CUSTOMER BUS INFORMATION

VIN #  

Body #  

HELPFUL CONTACTS

Ford Chassis  800.392.3673
GM Chassis  800.353.3867
Freightliner Chassis  864.206.8616
Braun  800.946.6158 or www.braunlift.com
Ricon  800.322.2884 or www.riconcorp.com
Trans Air  800.673.2448 or www.transairmfg.com
ACC Climate Control  800.462.6322 or www.accclimatecontrol.com
Carrier  717.767.3341 or www.mcc-hvac.com
A & M  574.225.5000 or www.anmsystems.com
MORryde  574.293.1581 or www.morryde.com
Q'Straint  USA or Canada
Phone  800.987.9987 or fax: 954.986.0021
Email: Qstraint@qstraint.com
Child Checkmate  877.494.8222 or www.childcheckmate.com
If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Forest River Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Forest River Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.
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<thead>
<tr>
<th>ITEM</th>
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<tr>
<td>CHASSIS OPTIONS</td>
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<tr>
<td>BATTERY BOX INTEGRATED INTO STEPWELL (UPGRADE)</td>
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<tr>
<td>STAINLESS STEEL WHEEL INSERTS / WHEEL COVERS</td>
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<td>HEATED REARVIEW MIRRORS (UPGRADE)</td>
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<td>ON-Spot AUTOMATIC TIRE CHAINS</td>
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<td>CROSSOVER MIRROR MOUNTED CORNER OF FRONT HOOD (EACH)</td>
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<td>CLIMATE CONTROL OPTIONS</td>
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<td>HEATER - ADD A 35K BTU HEATER</td>
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<td>HEATER - ADD A 65K BTU HEATER</td>
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<td>DOOR OPTIONS</td>
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<td>EXTERIOR KEY ACCESS FOR AMBULATORY ELECTRIC DOOR</td>
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<td>EXTERIOR KEYPAD ACCESS FOR AMBULATORY ELECTRIC DOOR</td>
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<td>WINDOW OPTIONS</td>
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<td>UPGRADE WINDOWS TO TOUR STYLE (PER WINDOW)</td>
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<td>EGRESS WINDOW - ADDITIONAL AS DESIRED (EACH)</td>
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<td>PARATRANSIT OPTIONS</td>
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<td>ADD A WHEELCHAIR SECUREMENT POSITION</td>
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<td>FLAT FLOOR / ELIMINATES WHEELHOUSES / ADDS 1 STEP TO ENTRY</td>
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<tr>
<td>WHEELCHAIR LIFT PLATFORM SAFETY BELT TRANSVERSING ARMS</td>
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<td>SEATING OPTIONS</td>
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<td>FABRIC SEAT UPHOLSTERY UPGRADE (PER PASSENGER)</td>
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<td>ARM REST - FOLDING RUBBER CUSHIONED (EACH / AT AISLE)</td>
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<td>SEAT GRAB HANDLE - PADDED (EACH)</td>
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<td>HIGH BACK PASSENGER SEATS (UPGRADE / PER PASSENGER)</td>
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<td>MISC. INTERIOR OPTIONS</td>
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<td>STOP REQUEST SYSTEM WITH FULL CORD / AUDIBLE AND VISUAL SIGNAL OF PASSENGER STOP REQUEST</td>
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<td>TINTED PLEXIGLASS UPPER SHIELD BEHIND DRIVER</td>
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<td>COMPOSITE FRP HEADLINER IN LIEU OF FABRIC</td>
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<td>OVERHEAD PARCEL RACKS BOTH SIDES OF AISLE WITH READING LIGHTS</td>
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<td>SAFETY OPTIONS</td>
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<td>SEPARATION DETECTION SYSTEM / REAR OF BUS DRIVER ALERT / 8SSK1000</td>
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<td>ADDITIONAL VERTICAL GRABRAIL AT TOP OF ENTRANCE STEPWELL</td>
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<td>POWDER COAT PAINTED OPTIC YELLOW ENTRY GRAB RAILS</td>
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<td>ADDITIONAL HIGH MOUNT AMBER LED TUNE SIGNALS</td>
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<td>AUDIO VISUAL OPTIONS</td>
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<td>SECOM SURVEILLANCE CAMERA SYSTEM / 2 CAMERAS / 320GB</td>
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<td>SECOM SYSTEM / ADD A CAMERA (PER CAMERA UP TO 4 ADDITIONAL)</td>
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<td>ROSCO DUAL VISION SURVEILLANCE CAMERA SYSTEM / 32GB</td>
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<td>ESP OPTIONS</td>
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<td>4 YEAR OR 100,000 MILE POWERTRAIN CARE (GAS)</td>
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<td>4 YEAR OR 100,000 MILE POWERTRAIN CARE (DIESEL)</td>
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<td>5 YEAR OR 150,000 MILE BASE CARE (GAS)</td>
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<td>5 YEAR OR 150,000 MILE BASE CARE (DIESEL)</td>
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For New Ford Protect Plans:
- Coverage begins with the original in-service date (New Vehicle Limited Warranty start date) and zero miles or hours. Your selected coverage expires upon reaching the earliest of time, mileage or hours.

For Used Ford Protect Plans:
Vehicles within the New Vehicle Limited Warranty
- Eligible Ford, Lincoln and Mercury vehicles that have New Vehicle Limited Warranty remaining at the time of purchase — coverage begins at the signature date and current mileage. Coverage ends at the earlier of the number of months purchased or the number of miles purchased from the expiration of the New Vehicle Limited Warranty.

Vehicles outside the New Vehicle Limited Warranty
- Coverage for Ford, Lincoln and Mercury vehicles beyond the New Vehicle Limited Warranty and all competitive-make vehicles begins at the signature date and current mileage. Your selected coverage expires upon reaching the earliest of time, mileage or hours.

For Cab and Chassis/Incomplete Vehicles:
- A variety of unique time/mileage/hour options and deductibles are available within 5 years or 100,000 miles or 4,000 hours of the original in-service date.
- Coverage begins with the original in-service date (New Vehicle Limited Warranty start date) and zero miles or hours. Your selected coverage expires upon reaching the earliest of time, mileage or hours.

0% APR interest-free Installment Payment Plan with flexible payment options is available when the extended service plan is not included in the vehicle financing; everyone qualifies making it the smart choice.

This brochure is intended to provide general information about a PowertrainCARE Extended Service Plan offered by Ford Protect. It was printed for the October 2017 plan year. Prices and plan details may have changed after the brochure was printed. Plan availability, benefits, coverage and provider may vary by state. Please refer to your plan’s service contract for the actual terms and conditions.

In Florida, Ford Protect on Ford vehicles is a Service Contract from Ford Motor Company (License #12118), Ford Protect on competitive-make vehicles is a Service Contract from The American Road Insurance Company, Dearborn, MI 48126 (Certificate of Authority 990019).

In Texas, Ford Protect is a Service Contract from Ford Motor Service Company (License #SCP-155).
PowertrainCARE

With a Ford Protect PowertrainCARE Extended Service Plan, you are protected from unforeseen covered repairs on your vehicle for up to 8 years or 150,000 miles. That's well beyond the New vehicle Limited Warranty that comes with your vehicle. Now is the time to protect your investment with a Ford Protect PowertrainCARE Extended Service Plan.

Why Ford Protect PowertrainCARE is such a great value.
The price for parts and labor to repair many major components can be significant. One repair bill can easily exceed the price of your Ford Protect PowertrainCARE coverage. It's clear that this coverage can quickly pay for itself!

**ENGINE**
- All Internally Lubricated Parts
- Cylinder Block
- Cylinder Heads
- Flywheel
- Manifold (Exhaust and Emissions)
- Oil Pan
- Oil Pump
- Seals and Gaskets
- Thermostat
- Timing Chain Cover
- Timing Chain (Gears or Belt)
- Turbocharger/Supercharger Unit (Factory-Installed)
- Valve Covers
- Water Pump

**TRANSMISSION**
- All Internally Lubricated Parts
- Blocking Ring
- Clutch (excluding All Internal Parts)
- Torque Converter
- Transfer Case (including All Internal Parts)
- Transmission Case

**REAR/FRONT-WHEEL-DRIVE AXLE**
- Axle Shafts
- Axle Housing and Rear Axle Housing (for Axle Housing for 4x4 (Including All Internal Parts))
- Drive Shaft
- Front Final Drive Housing and Rear Axle Housing for 4x4 (Including All Internal Parts)
- Front Final Drive Housing
- Hubs, Automatic Transmission
- Locking Device
- (Four-Wheel Drive) Locking Rings (Four-Wheel Drive)
- Seals and Gaskets
- Universals, and Constant Velocity Joints

**DEDUCTIBLE OPTIONS**

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<td>Competitive Make</td>
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<td>Vehicle Plans</td>
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<td>Used Ford &amp;</td>
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*Based on your driving needs, you can customize a Ford Protect PowertrainCARE Extended Service Plan that's right for you.*

**TIME AND MILEAGE OPTIONS**

Available within New Vehicle Limited Warranty

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**USED PLAN**

TIME AND MILEAGE OPTIONS

Available beyond the New Vehicle Limited Warranty

Coverage lengths range from 1 year/12,000 miles to 5 years/75,000 miles for 2006 and newer vehicles.

---

*These examples are based on an average estimated U.S. retail repair cost for 2013-2016 Escape. Actual repair costs will vary by vehicle and dealer location.*
Drive On with First-Class Service.

Ford Protect BaseCARE coverage is 100% backed by Ford Motor Company.
- Service provided at Ford and Lincoln dealerships in the U.S., Canada and Mexico
- Ford-authorized parts used for covered repairs
- Factory-trained and certified technicians

Drive On with Valuable Benefits.

Ford Protect BaseCARE coverage is there when you need it with 24-Hour Roadside Assistance:
- Includes trip, lockout, out-of-fuel and battery jump-start assistance
- Towing Assistance up to $100 per occurrence
- Emergency Travel Expense up to $500 within the first 3 days per occurrence
- Destination Assistance up to $750
- Call 1-800-241-3573

Plus, Rental Vehicle Benefits:
- Coverage of $30 a day for up to 10 days for covered repairs

Drive On with Savings.

Ford Protect BaseCARE coverage is an affordable way to limit your out-of-pocket expenses.
- Protects you from the rising cost of future repair bills
- Pay only your deductible if any, per covered repair visit
- 100% transferable, which increases your vehicle's resale value (transfer fee applies)

Drive On with Key Services Option.

Ford Protect Key Services Option has you covered against lost, stolen or damaged keys and key fobs.
- If your key and/or fobs are...
  - Misplaced
  - Damaged and will not work
  - Locked in your vehicle
- Your plan will...
  - Replace or reprogram your key(s) and/or fobs
- Not available in all states.

For New Ford Protect Plans:
- Coverage begins with the original new vehicle (New Vehicle Limited Warranty and Ford-authorized parts used for covered repairs)
- Factory-trained and certified technicians
- Service provided at Ford and Lincoln dealerships in the U.S., Canada and Mexico
- Ford-authorized parts used for covered repairs

For Used Ford Protect Plans:
- Vehicles within the New Vehicle Limited Warranty
  - Eligible Ford, Lincoln and Mercury vehicles that have New Vehicle Limited Warranty remaining at the time of purchase — coverage begins at the expiration date or term mileage, whichever comes first
  - Eligible cars, trucks, SUVs and crossovers purchased at the earlier of 84 months or 100,000 miles from the original new vehicle date of manufacture
  - Eligible coverage begins at the expiration date or term mileage, whichever comes first

Vehicles outside the New Vehicle Limited Warranty
- Coverage begins with the current service date (New Vehicle Limited Warranty, start date) and term mileage or term dates, whichever comes first

For Cab and Chassis/Incompatible Vehicles:
- A variety of service benefits included in coverage, including those available within 6 years or 100,000 miles of the original new vehicle date of manufacture
- Coverage begins with the current service date (New Vehicle Limited Warranty, start date) and term mileage or term dates, whichever comes first

This brochure is intended to provide general information about a BaseCARE Extended Service Plan offered by Ford Protection. It was printed for the October 2017 year-end. Prices and other details may have changed since the brochure was printed. Ford Protection reserves the right to change prices and details at any time by notice. Please refer to your plan's service contract for the actual terms and conditions.

In Florida, Ford Protection on Ford vehicles is a Service Contract from Ford Motor Company (License 111156). Ford Protection on Lincoln vehicles is a Service Contract from The American Real Insurance Company, Dearborn, MI 48120 (Certificate of Authority 5981T).
In Texas, Ford Protection on Ford vehicles is a Service Contract from Ford Motor Company (License #1835).
BaseCARE

84 Covered Components

With a Ford Protect BaseCARE Extended Service Plan, you are protected from unforeseen covered repairs on your vehicle for up to the earlier of 8 years or 150,000 miles. That's well beyond the New Vehicle Limited Warranty that comes with your vehicle. Now is the time to protect your investment with a Ford Protect BaseCARE Extended Service Plan.

Why Ford Protect BaseCARE is such a great value.

The price for parts and labor to repair many major components can be significant. One small bill can easily exceed the price of your Ford Protect BaseCARE coverage. It's clear that this coverage can quickly pay for itself.

100% Backed by Ford

24-hour Roadside Assistance
(800-241-3673)

84 Covered Components

Several Restrictions

Ford-authorized Parts

Transferable

Service in the U.S., Canada and Mexico

1-year certified service

Key Services Option

### Front Suspension
- Ball Joints
- Control Arms
- Damper and Stabilizer
- Shock Absorbers
- Stabilizer Bar
- Tie Rods

### Rear/Front-Wheel-Drive Axle
- Axle Shafts
- Rear Drive Axle Housing and Final Drive Housing
- Axle Neat and Bearing
- Rear Axle Housing for 4WD Vehicles

### Electrical
- Alternator
- Electronic Ignition Module
- Fuel Pump
- Grounds
- Switches (Electric Only)
- Horn
- Ignition System
- Intrusion Sensors
- Brake System
- Electrical Wires and Connectors

### Transmission
- Automatic Transmission
- Torque Converter

### Brakes
- Parking Brake
- Brake Booster (Power)
- Calipers
- Combination Valve
- Diaphragm
- Line and Hoses
- Parking Brake Linkage and Cables
- Brakes

### Air Conditioning
- A/C Compressor
- A/C Condenser
- A/C Evaporator
- A/C Evaporator Core

### Deductible Options

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<tr>
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<th>Optional</th>
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<td>$100</td>
<td>$50, $100, $200 Disappearing</td>
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Add-on and Competitive Make Vehicle Plan
$100
$50, $100, $200 Disappearing

*Your examples are based on average actual repair cost for 2013-2019 Excursion, actual repair costs will vary. Rates apply to vehicles located in a market where the program is offered.
WARRANTY PROCEDURE / ALL SUBLET SERVICE PROVIDERS

Warranty Administrator:

<table>
<thead>
<tr>
<th>Contact Name:</th>
<th>Dean Capparelle</th>
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<tbody>
<tr>
<td>Phone #:</td>
<td>(800) 330-1175 X-436</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:warranty@matthewsbusescommercial.com">warranty@matthewsbusescommercial.com</a></td>
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**Step #1:**
Contact the Warranty Administrator to verify the repair can be covered under warranty.

**Step #2:**
Submit a warranty claim form completed with information available at this time (corrective action and actual labor time may not be known/established at this time).

**Step #3:**
**Repairs under $100**
- Proceed with repair.
- Complete Warranty Claim Form.

**Repairs over $100**
- Complete Warranty Claim Form and submit to warranty administrator for pre-approval.
- Proceed with repair only after receiving approval.
- Repairs over $100 completed without pre-approval cannot be paid.

**Misc:**
- Warranty Claim Form to be completed and shall clearly exhibit the concern, cause, and corrective action.
- Pictures of failure (with VIN on paper in pic) to be provided whenever possible.
- Parts (except for hardware) must come from bus manufacturer unless advised otherwise.

**Step #4:**
Submit the warranty claim form (with the corrective action taken and labor time exhibited) and RO/invoice to the Warranty Administrator within 10 days of the date of repair for processing and reimbursement.

7/1/2018
# Warranty Claim Form

## Customer Information
- **Contact:**
- **Phone:**
- **Fax:**

## Warranty Details
- **Body #:**
- **Chassis Model #:**
- **VIN #:**
- **Bus #:**
- **Mileage:**
- **Invo. Date:**

**Warranty Type:**
- Recall [ ]
- VON [ ]
- PSB [ ]
- Policy [ ]

## Concern
- **Repair #1:**
- **Repair #2:**
- **Repair #3:**
- **Repair #4:**

## Cause
- **Repair #1:**
- **Repair #2:**
- **Repair #3:**
- **Repair #4:**

## Correction
- **Repair #1:**
- **Repair #2:**
- **Repair #3:**
- **Repair #4:**

## Parts
- **Primary Failed Part #:**

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<tr>
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<th>Part Invoice attached</th>
<th>Part Description</th>
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## Labor
- **Labor Rate:** $ -

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<td>$ -</td>
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<td>#4</td>
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**Total Lbr:** $0.00

## Total Costs
- **Total Labor:** $0.00
- **Total Parts:** $ -
- **Misc Charges:**
- **Total Sublet:**

**CLAIM TOTAL:** $ -
REFERENCES

Transit Authority of River City
Louisville, KY
Geoffrey Hobin
502-561-5131
25+ Buses

Skagit Transit
Burlington, WA
Denny Griffey
360-478-6221
10+ Buses

General Services Administration
Washington, DC
Craig Yokum
703-605-9291
85+ Buses

New Jersey Transit
Newark, NJ
Janelle Rivera
973-491-8346
150+ Buses

Metro Mobility
Robert Glaeser
516-616-2786
20+ Buses

RTD – Regional Transportation District
Robbie Hunter
Senior Equipment Engineer
1900 31st Stree:
Denver, CO 80216
(303) 299-6930
103 Candidate II's (narrow body)
Colorado Department of Transportation - Transit Unit
David Averill
Transit Planning Manager
4201 East Arkansas Avenue
Shumate Building
Denver, Colorado 80222
(303) 757-9747
60+ Senator II's

City of Colorado Springs
Craig Blewitt
Transit Director
1015 Transit Drive
Colorado Springs, CO 80901-1575
(719) 385-6813
75 Senators

City of Pueblo
Brenda Bryyles
Transit Superintendent
230 S Mechanic St.
Pueblo, CO 81003
(719) 553-2721
12 Senator II's
<table>
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<tr>
<th>AGENCY NAME</th>
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<th>ST</th>
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<td>ALDOT</td>
<td>1105 John Overton Drive</td>
<td>Montgomery</td>
<td>AL</td>
<td>36110</td>
<td>Robert Echols</td>
<td>334-353-6421</td>
<td>echo@al dot.state.al.us</td>
<td>400+</td>
<td>Since 2010</td>
</tr>
<tr>
<td>Arizona Department of</td>
<td>200 S. 17th Ave #340B</td>
<td>Phoenix</td>
<td>AZ</td>
<td>85007</td>
<td>Mike Normand</td>
<td>602-712-6243</td>
<td><a href="mailto:mnormand@azdot.gov">mnormand@azdot.gov</a></td>
<td>100+</td>
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<td>Transportation</td>
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<td>BG CAP</td>
<td>111 Professional Ct</td>
<td>Frankfort</td>
<td>KY</td>
<td>40601</td>
<td>Roger Kirk</td>
<td>502-895-4290</td>
<td><a href="mailto:roger.kirk@bgcap.org">roger.kirk@bgcap.org</a></td>
<td>30</td>
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<tr>
<td>CatACT</td>
<td>1010 Hurley Way, Suite 140</td>
<td>Sacramento</td>
<td>CA</td>
<td>95825</td>
<td>Jacklyn Montgomery</td>
<td>916-920-2018</td>
<td><a href="mailto:jacklyn@catact.org">jacklyn@catact.org</a></td>
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<td>CalTrans</td>
<td>P.O. Box 942874</td>
<td>Sacramento</td>
<td>CA</td>
<td>94274</td>
<td>Frank J. Nevitt IV</td>
<td>916-654-5436</td>
<td><a href="mailto:frank.nevitt@cdot.ca">frank.nevitt@cdot.ca</a></td>
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<td>City of Phoenix Transit</td>
<td>302 N 1st Ave Ste. 900</td>
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<td>AZ</td>
<td>85003</td>
<td>Wendy Miller</td>
<td>602-262-4077</td>
<td><a href="mailto:wendy.miller@choe.nix.gov">wendy.miller@choe.nix.gov</a></td>
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<tr>
<td>City of Tempe</td>
<td>20 E. 6th Street</td>
<td>Tempe</td>
<td>AZ</td>
<td>85281</td>
<td>Jason Hartong</td>
<td>480-350-2741</td>
<td><a href="mailto:jason.hartong@tempe.gov">jason.hartong@tempe.gov</a></td>
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<td>ILLINOIS-IDOT</td>
<td>100 W. RANDOLPH STE 6-600</td>
<td>Chicago</td>
<td>IL</td>
<td>60601</td>
<td>Mike Healy</td>
<td>312-733-2184</td>
<td><a href="mailto:Mike.Healy@illinois.gov">Mike.Healy@illinois.gov</a></td>
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<td>Louisville Wheels</td>
<td>1134 S Preston St</td>
<td>Louisville</td>
<td>KY</td>
<td>40203</td>
<td>Beecher Hudson</td>
<td>502-851-3231</td>
<td><a href="mailto:Beecher.hudson@wheels.com">Beecher.hudson@wheels.com</a></td>
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<tr>
<td>NMDOT Transit &amp; Rail Div</td>
<td>1350 Alta Vista</td>
<td>Santa Fe</td>
<td>NM</td>
<td>87704</td>
<td>Delilah Garcia</td>
<td>505-490-7656</td>
<td><a href="mailto:Delilah.Garcia@standeven.us">Delilah.Garcia@standeven.us</a></td>
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<td>Regional Transportation</td>
<td>1 E. Broaddway Blvd Suite 451</td>
<td>Tucson</td>
<td>AZ</td>
<td>85701</td>
<td>James McGinnis</td>
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<td>mcginnis@azregio n.com</td>
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<tr>
<td>RTEC</td>
<td>100 Main ST</td>
<td>Mt. Vernon</td>
<td>KY</td>
<td>40456</td>
<td>Freda Parsons</td>
<td>602-256-9835</td>
<td><a href="mailto:faparsons@4rtt.com">faparsons@4rtt.com</a></td>
<td>65</td>
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<td>RTEC</td>
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<tr>
<td>RTEC</td>
<td>102 Main ST</td>
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<td>KY</td>
<td>40458</td>
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<td>KY</td>
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<td>602-256-9838</td>
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<td>University of Arizona</td>
<td>1117 E. 6th Street</td>
<td>Tucson</td>
<td>AZ</td>
<td>85721</td>
<td>David Jounette</td>
<td>520-882-0518</td>
<td><a href="mailto:david.jounette@arizona.edu">david.jounette@arizona.edu</a></td>
<td>5</td>
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<tr>
<td>Wisconsin DOT, Bureau of</td>
<td>4802 Sheboygan Ave PO Box 7913</td>
<td>Madison</td>
<td>WI</td>
<td>53707</td>
<td>Tom Robinson</td>
<td>608-265-6558</td>
<td><a href="mailto:thomas.robinson@dot.wi.gov">thomas.robinson@dot.wi.gov</a></td>
<td>200+</td>
<td>Since 2005</td>
</tr>
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