Specialized Transportation Program
For Transit Providers

Intermodal Planning
Revised 02/05/2019
Table of Contents

Glossary of Term & Acronyms .................................................................................................................. Pg. 3
Selecting the Vehicle that fits your needs ......................................................................................... Pg. 4
Legislation and Regulations .............................................................................................................. Pg. 5
  • Lowered Floor Minivan - With lift
  • Small bus – With lift
  • 7-passenger Minivan (non – ADA accessible)
  • 12-passenger van (non - ADA accessible)

The NDOT Vehicle Selection Guide presents vehicles and equipment available to public transit providers and non-profit organizations serving the transportation needs of seniors and individuals with disabilities.

This vehicle selection guide is subject to change due to change in contract.

If you have questions or comments, please contact:

Nebraska Department of Transportation
Office of Intermodal
1500 Hwy 2
(402) 479-4694
http://nebraskatransit.com/
Glossary of Terms & Acronyms

**Curb weight:** The “as delivered” weight of the vehicle with all equipment required for its operation; all equipment required by these specifications, and/with all applicable lubricants, but without the driver or passengers.

**GVWR:** The gross vehicle weight rating is the maximum operating weight/mass of a vehicle as specified by the manufacturer.

**Heavy-duty:** Where used in this guide, the term “heavy-duty” means that the item to which is applied is to exceed the usual quality or capacity of similar items normally supplied as standard equipment, and that the item will be capable of withstanding unusual stress, temperature, wear, exposure, and/or use.

**Crashworthiness:** (a.) That a prototype vehicle has been crash tested. (b.) All testing has been by a recognized independent testing laboratory with automotive engineers. (c.) The items modified meet all applicable FMVSSS. (d.) Automaker warranty is valid on completed vehicle (except modified parts).

**Seating Capacity:** This is for a lowered floor minivan.
Selecting the Vehicle that fits your needs:

This section is designed for applicants to determine the proper vehicle to meet their needs. Because you will be operating your vehicle for several years, it is important to take the time before purchasing a vehicle to review your transportation needs and requirements.

Factors to consider:

- Capacity needs
- Client needs
- Purchase price
- Type of service
- Operating environment
- Operating cost
- Preventative maintenance cost
- Safety and comfort
- Weight capacity
- Future needs
- Regulatory requirements
- ADA requirements
- Ability to train or hire drivers with a Commercial Drives License (CDL)

Questions to answer regarding your needs and requirements

Do you need an accessible vehicle?

If your vehicle will be used to transport individuals with disabilities who use wheelchairs, you will need to purchase a vehicle with an accessibility package including a lift or ramp, wheelchair securement, and other related equipment. Even if you do not routinely transport such individuals, you may be required to purchase an accessible vehicle due to ADA or NDOT requirements. In order to receive a non-accessible vehicle from NDOT, at least 50% of your vehicle fleet must be accessible.

What are your capacity needs?

You must consider a number of items with regard to vehicle capacity needs:

- The maximum number of individuals the vehicle will transport at the same time and on a regular basis.
- How many ambulatory and non-ambulatory riders will be transported at the same time and on a regular basis?
- What your fuel needs are.

How much will the vehicle cost to purchase and operate?

Most, if not all, agencies have very limited budgets and are therefore restricted in their spending to purchase new vehicles. The heavier and higher capacity the vehicle, the more it will cost to operate. Larger vehicles tend to consume more fuel, have high maintenance costs, and are more expensive to insure than smaller vehicles.

Will drivers need a CDL?

Drivers must obtain a CDL whenever they operate a vehicle originally configured to transport more than 15 persons plus the driver. Obtaining a CDL is a time-consuming and rigorous process. CDL drivers are also subject to US DOT drug and alcohol testing and physical requirements.
What level of comfort do your clients need?

The type of clients you serve (e.g. seniors, persons with disabilities, etc.) and the type of service you operate (demand response, fixed route, group trips) will have a large bearing on your selection. Elements to consider include:

- Interior Mobility
- Wheelchair maneuverability
- Step height
- Rise quality
- Jump seats

Can you store and clean a large vehicle?

Large vehicles require more storage room. If you are storing the vehicle outside, make sure your lot is large enough. Outside storage in winter may cause problems for operating hydraulic equipment, such as the lift. If storing in a garage, make sure the vehicle will clear the entrance on the top and sides and that there is adequate room inside to store and maneuver the vehicle.

Legislation and Regulations:

Various pieces of enacted legislation and regulations may impact your vehicle selection and operation. Below is a partial list of both, with links for further information.

A. Enacted Legislations

- Americans with Disabilities Act  
  http://www.fta.dot.gov/civilrights/12325.html

- Title VI of the Civil Rights Act of 1964  
  http://www.fta.dot.gov/civilrights/12328.html

- Drug and Alcohol (applicable to Section 5311 rural public transportation (drivers only))  

B. State Statute

- The Nebraska Public Transportation Act  
Lowered Floor Minivan (with ramp)

Cost Estimate: $40,000.00

(Or subject to change)

Standard Features:

- Buy America Compliant.
- ADA, FMVSS and CMVSS Compliant.
- Meets/exceeds Altoona test requirements.
- CARB approved.
- 6-passenger vehicle.
- Lowered floor from firewall to rear axle.
- 61" floor-to-ceiling at center of van.*
- Manual swing ramp providing 30" usable width.
- Multiple wheelchair securement locations.
- Belt system for wheelchair securement.
- Manual driver and passenger side sliding door providing 56-1/4" vertical opening (ADA compliant), passenger door provides 31-1/2" in width.
- Step-and-Roll front seats.
- 3-passenger bench seat at rear with folding footrest.
- Front passenger floor tracks for wheelchair securement, with 60" floor-to-ceiling height.
- Stylized lower body panels with integrated steps.
- A 1/4 – 3/4-inch thick underlayment shall be applied over a lower metal floor structure. The 1/4 – 3/4-inch underlayment shall be equivalent to a marine grade plywood or material that meets or exceeds this requirement and is impervious to moisture. The edges shall be sealed prior to being attached over the lower metal floor structure. The underlayment floor shall be laid with no gaps or openings.
- ADA-compliant interlock.
- ADA-compliant ramp and door entrance lighting.
- Priority seat decal.
- Wheelchair securement location decals.
- Auxiliary wiring harnesses include fused circuits.
- Easy maintenance interior trim package.
- 20-gallon OEM fuel tank.
- Running Boards: Driver side and front passenger side running boards that are at a minimum 4 inches wide and run from near the front of the door to near the rear of the door shall be provided.
- Rearview Mirrors: The OEM rear view mirror mounted on the windshield will be provided. External rear vision mirrors on right and left side of vehicle shall be heated, power adjustable type.
- Back-up Camera OEM factory installed.

Vehicle Description:

This vehicle is a standard production minivan modified by lowering the floor and, in some cases, modifying the roof at the entryway to provide the 58" headroom required by ADA. It is the smallest accessible vehicle available, accommodating up to two wheelchairs and one permanent seat, with an option for quick-release seats for two additional ambulatory persons in the wheelchair securement locations.

The lowered floor Minivan is equipped with a 30" ramp for access by riders using wheelchairs. Lifts are not available on this vehicle. The manual ramp unfolds for riders using wheelchairs.
With the lowered floor, the ramp entry angle is quite low which, in some situations, allows riders using wheelchairs to board the vehicle unassisted.

**Required Specifications for Lowered Floor Minivan**

**General Requirement:**

The vehicle provides suitable public transportation in light transit or paratransit service, and serves the ambulatory and non-ambulatory needs of passengers.

Seating will be based on physical dimensions given for a 95th percentile male by SAE recommended Practice J833.

**Vehicle’s Crashworthiness:**

- The vehicle is crashworthy certified by the conversion company.
- The modified items meet all applicable FMVSS.
- The Automaker’ warrantee is valid on completed vehicle (except the modified parts).

**General Dimensions and Capacities:**

- The **Gross Vehicle weight rating**: (GVWR) is no less than the sum of Curb Weight above plus 150 lbs. for the driver and for each passenger seating position other than a folding jump seat plus 300 lbs. for each wheelchair space provided.

- **Seating Capacity:** The vehicle accommodates a wheelchair ramp, the driver, and one standard wheelchair with seated passenger, and two ambulatory passengers seated in regular passenger seat.
Provided Emergency Equipment:

- **First Aid Kit.** A 12-Unit first aid kit with instruction for the use of its contents is provided and securely mounted in a location readily accessible to the driver.

- **Fire Extinguisher.** A UL approved fire extinguisher is bracket mounted in a location readily accessible to the driver. The size is no less than five-pound with a total rating of no less than 2A, 10-B:C or UL approved equipment.

- **Warning Devices.** A kit of three folding bi-directional emergency reflective triangles that conform to the requirements of FMVSS No. 125 is provided.

- **Blood borne Pathogens Kit.** Is provided with a minimum of the following items. Latex gloves, CPR mask, Goggles, Apron, Disinfectant wipes, Absorbent and Scoop, and an ID tag and red plastic bag.

### Body:

- **Structure.** The minivan is made ADA compliant by lowering the floor from the base of the engine firewall to the rear passenger seat. The floor is lowered through the thresholds of each sliding door in order to meet ADA door opening height requirement. The floor panel is stainless steel joined to the body frame members in a manner that provides a leak-proof floor. No modification to any portion of the vehicle’s roof is allowed in meeting ADA door opening height requirement. Sliding doors are extended to seal.

- **Body Interior:** Interior walls and headliner provide a finish that is durable, easily cleaned, and coordinated with the overall interior scheme of the vehicle.

- **Floor:** A 1/4 – 3/4-inch thick underlayment shall be applied over a lower metal floor structure. The 1/4 – 3/4 underlayment shall be equivalent to a marine grade plywood or material that meets or exceeds this requirement and is impervious to moisture. The edges shall be sealed prior to being attached over the lower metal floor structure. The underlayment floor shall be laid with no gaps or openings.
Doors:

- **Running Boards**: Driver side and front passenger side running boards that are at a minimum 4-inch wide and run from near the front of the door to near the rear of the door is provided.

Seats:

- **Passenger and Driver Seats**: Seats will be OEM light gray cloth compatible with the headliner and rest of the interior.

Wheelchair Accommodations:

- **Wheelchair Ramp**: The vehicle is equipped with a manually operated, swing-away mobility access ramp, which stows vertically, folds and unfolds through the right side door. The stowed ramp does not obstruct the view of the driver through any vehicle window. The ramp meets ADA requirements.

- **Wheelchair Transport Space**: One functional wheelchair transport space shall be provided. The space shall be located as shown in Figure 1. Space shall be at least 30 inches wide and 48 inches long.

- **Wheelchair Securement**: The wheelchair space shall be equipped with a four-point wheelchair securement system to include the auto-tensioning, auto locking retractor with tension knobs for tightening produced by Sure-Lok or equivalent. Securement system must meet the requirements of DOT 49 CFR Part 38, SAE J2240, WC 18, along with all recognized government standards. The system shall utilize L-track capable of securing a variety of common mobility aid designs. An occupant lap and shoulder restraint system that meets all applicable Federal Motor Vehicle S.

**Note**: A web cutter, four-12” quick straps, training program CD, and a mesh storage container for all hardware mounted on the wall in the rear of the vehicle.

Interior Finish:

All material used in the passenger compartment, including upholstery, padding, floor covering, and insulation conforms to the requirements of FMVSS No. 302, and materials that emit toxic gases as by-products of combustion are not used.

**Floor covering is**:  
Floor covering is slip resistant exceeding the ADA minimum slip resistance standard rating of .06 static coefficient of friction, under dry or wet conditions. Floor covering shall be constructed with aluminum oxide, silicon carbide, quartz and optional PVC chip blended throughout a high quality vinyl wear surface (top coating is not acceptable). Backing to be polyester cellulose material with fiberglass fiber reinforced center scrim for additional durability. Floor covering shall be Meta 2.2 mm or greater, color TFM22903 Storm by Altro Transflor or approved equivalent. The whole floor will be a uniform thickness throughout the vehicle, eliminating the need for ribbed surfaces. Seams are to be heat welded to provide a permanent waterproof seal against water penetration. All trim edges (if used) are to be sealed by heat welding or with mastic/caulk by the manufacturer's instructions before installation.

Those interior surfaces that are not padded or covered with a decorative vinyl surface are appropriately primed and finished with top-quality acrylic enamel. Color of paint and other interior finishing materials harmonizes with the vehicle’s exterior finish.
Exterior Finish:
The exterior color of the vehicle is be white.
Small Transit Bus 12+2

Cost Estimate: 66,000.00

Standard Features:
- E450 and cutaway
- Tinted glass
- Automatic transmission
- 4:10 and 4:56 rear axle ratio
- Power steering
- Dash A/C and heater
- Auxiliary transmission cooler
  - (gas chassis only)
- Super engine cooling
- Speed Control/Tilt steering and cruise control
- 6.8 gas engine V-10
- 55-gallon fuel capacity on E450
- Radial tires LT225-16 E
- Chrome front bumper
- Bumpers and tow hooks
- Read-out gauges
- Heavy-duty batteries
- 130 AMP alternator
- 158" wheelbase
- Electronic Throttle
- Mud Flaps
- GVWR 10,700 to 14,050 power brakes (4 wheel disc)
- Back-up Alarm
- Emergency Flasher
- Rear Suspension MOR RYD
- Back up Camera

Optional Features: (Will add cost to base price)
- Raised floor for additional wheelchair position.
- Other aftermarket options may be allowed. Contact NDOT prior to modifying the vehicle.

Required Specifications for Small Transit Bus 12+2

General Information:
The vehicle provides suitable public transportation in light transit or paratransit service, and serves the ambulatory and non-ambulatory needs of passengers. This vehicle is to primarily be operated in rural and urban areas.

Seating will be based on physical dimensions given for a 95\textsuperscript{th} percentile male by SAE recommended Practice J833.

Vehicle’s Crashworthiness:
- The vehicle is crashworthy certified by the conversion company.
- The modified items meet all applicable FMVSS.
- The Automaker’ warrante is valid on completed vehicle (except the modified parts).
General Dimensions and Capacities:

- The **Gross Vehicle Weight Rating** (GVWR) is no less than the sum of **Curb Weight** above plus 150 lbs. for the driver and for each passenger seating position other than a folding jump seat plus 300 lbs. for each wheelchair space provided.

- **Seating Capacity.** The vehicle accommodates a wheelchair lift, the driver, at least two standard wheelchairs with seated passengers, and no fewer than twelve (12) ambulatory passengers seated in regular passenger seats installed.

```
<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior width</td>
<td>96”</td>
</tr>
<tr>
<td>Exterior height</td>
<td>114”</td>
</tr>
<tr>
<td>First step to ground</td>
<td>11 1/2” second and third</td>
</tr>
<tr>
<td>Step riser</td>
<td>9” max</td>
</tr>
<tr>
<td>Step tread depth</td>
<td>9” max</td>
</tr>
<tr>
<td>Entrance clear opening</td>
<td>32” x 83” min</td>
</tr>
<tr>
<td>Interior width at seat level</td>
<td>92 1/2”</td>
</tr>
<tr>
<td>Interior width up 36” from floor</td>
<td>93 3/8”</td>
</tr>
<tr>
<td>Center aisle height</td>
<td>80 1/2</td>
</tr>
<tr>
<td>Flat floor aisle height</td>
<td>75”</td>
</tr>
<tr>
<td>Double wheelchair doors</td>
<td>46” x 70.5”</td>
</tr>
<tr>
<td>Rear luggage compartment (standard)</td>
<td>141 cubic feet</td>
</tr>
</tbody>
</table>
```

The table above is subject to change based on number of wheelchair positions.

- 6 Rearview Mirrors The OEM rear view mirror mounted on the windshield will be provided. A 6”X16” internal rear view mirror mounted above the windshield with a 7” monitor for rear back up camera is to be provided. Mirror is to afford a view of the passenger and roadway to the rear.
• External rear vision mirrors on right and left side of vehicle are heated, power adjustable type with 15” Mirror Head Standard (2 in 1) Flat and Convex Glass.

Provided Emergency Equipment:

• **First Aid Kit:** A 12-Unit first aid kid with instruction for the use of its contents is provided and securely mounted in a location readily accessible to the driver.

• **Fire Extinguisher:** A UL approved fire extinguisher is bracket mounted in a location readily accessible to the driver. The size is no less than five-pound with a total rating of no less than 2A, 10-B:C or UL approved equipment.

• **Warning Devices:** A kit of three folding bi-directional emergency reflective triangles that conform to the requirements of FMVSS No. 125 is provided.

• **Safety Vent:** A Dual Purpose Safety Low Profile roof vent such as the Transpec Econovent roof hatch or equivalent is provided.

• **Blood borne Pathogens Kit:** Provided with a minimum of the following items. Latex gloves, CPR mask, Goggles, Apron, Disinfectant wipes, Absorbent and Scoop, and an ID tag and red plastic bag.

Body:

• **Structure.** The body structure is steel reinforced fiberglass or steel reinforced plastic that will withstand flexing or fatigue that would make the vehicle unfit for safe weather-tight operation. The exterior body panels are constructed of gel-coated fiberglass reinforced plastic. The body structure forms an integrated unit. All points, such as joints and corners, at which stress concentrations may occur are reinforced as needed to carry required loads and withstand road shock. All structural framing are designed and constructed so that each member carries its proportionate share of stresses. Framing members are durable channel, box, hat, zee, or similar cross section. End posts are be designed to resist shear, and vertical members are securely fastened to under frame components so that the entire structure acts as one unit without any movement at the joining’s.

• **Body Interior.** Inner lining panels are gel-coated fiberglass reinforced plastic. Wood or fiber panels are not used. To minimize the need for vertical seams, all interior panels extend full-length longitudinally, where practical. Where seams are unavoidable, all exposed edges are beaded, hemmed, or flanged with the rearward components lapped over the forward components.

• **Body Exterior.** Fiberglass reinforced plastic are used for the construction of the bus securely fastened to the interior structural members. The entire body is thoroughly tested by the final stage manufacturer and made as nearly dust-proof and watertight as practicable. A 3/4-inch thick underlayment shall be applied over a lower metal floor structure. The 3/4-inch underlayment shall be Thermo-Lite Board Model 2651a fiber-reinforced urethane composite material by Space Age Synthetics or plywood underlayment completely fiberglass gel coat sealed to prevent moisture infiltration. All plywood edges are to be sealed prior to being attached. The underlayment floor shall be laid with no gaps or openings.

• **Roof:** Roof construction is Fiberglass panels.

• **Wheel Housings.** The housings shall provide ample clearance for operating the fully loaded vehicle with tire chains and with unrestricted steering. Splash aprons and fenders shall be provided if tires extend beyond the sides of the vehicle.
• **Access Hatches.** Access panels or hatches are provided where needed to service transmission, engine, radiator, battery, air conditioning components, and so on.

• **Anti-corrosion Treatment.** All metallic body components, including the surfaces of those interior body panels and posts that are covered by insulation or trim materials, are thoroughly protected against corrosion.

• **Insulation.** The ceiling and all inside walls of the vehicle are moisture proof and contain thermal and acoustic insulation characteristics.

• **Undercoating.** The entire body/frame under structure of the vehicle are fully undercoated.

**Windshield and Windows:**

• **Safety Requirements:** All windows conform to the requirements of FMVSS No. 217, and the emergency egress is provided as specified in that standard. Three emergency window exits are located in the rear and on each side of the vehicle.

• Side Windows: At least 3, 700 square inches of window space shall be furnished in addition to windows installed in doors. Windows shall be T side panel type. All side windows shall be top vented (except for left rear window above tailpipe) to allow for ventilation and all side windows shall provide a clear view to the outside from each passenger seat position. All windows shall be tinted.

• **Rear Windows:** A rear window surface area of no less than 390 square inches is provided and provides emergency egress from the vehicle.

**Doors:**

• **Entrance Door and Stepwell:** The vehicle is equipped with a two section, jackknife or split type main entrance door located opposite of the driver. The entry step is 12” (plus or minus 1 inch) above ground level.

• **Driver’s Door and Running Board:** A front-hinged, sedan type door with roll-down window and exterior key lock is provided at the left hand side of the driver’s seat. A driver’s side running board that runs from the front wheel mud flap will accommodate a driver weighing up to 325 pounds.

**Seats and Aisle:**

This vehicle seats up to 12 ambulatory riders and two wheelchair passengers. Both forward facing wheelchair positions are located directly opposite the rear side lift entrance. Wheelchair maneuverability may become difficult when using both wheelchair positions at once.

Ambulatory seating includes 12 forward facing positions. Forward facing jump seats for up to two ambulatory passengers may be ordered as an option.

They will be located at the wheelchair position locations, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.

• **Driver’s Seat:** Multi-position cloth driver’s seat, such as Evolution G2E series cut-away driver seat by Freedman Seating Co. of Chicago, Illinois, with two-way, mechanically adjustable lumbar, 45 to 100 degree adjustable flip-up right side armrest or approved
equivalent are provided. The seatbelt assembly is a combination of pelvic and upper torso-restraint (Type 2) with retractors.

- **Passenger Seats:** All cloth double passenger seats with flip up aisle US armrest, aisle side seat grab handles on top of mid-back or mid-hi seats with lumbar support mounted on track. Seat back height from the top of the seat cushion will be a minimum of 22”. Each passenger seating position is equipped with an under seat retractor seat belt assembly and belt anchorages.

- **Color and Fabric for Passenger Seats:** Color of fabric is NPF by CMI # 831 Pinwheel Mono Blue treated with nonocide by Freedman Seating Co. or approved equivalent.

- **Aisle:** Aisle width is no less than 14 inches.

**Wheelchair Accommodations:**

- **Lift Access Doors:** Split type outward-opening lift access doors located on the right-hand side of the vehicle to the rear of the right rear wheel well are provided. The lift access doors are constructed so as to be equivalent in strength and materials to other areas of the body and are fitted with weather seals at all edges so as to exclude dust and moisture. Minimum vertical opening of the doors are 68 inches. The minimum door clear opening width when doors are fully opened is 44 1/2 inches. The doors are equipped with windows with bottoms approximately aligned with those of the main side windows and of the maximum width appropriate to the width of the doors. The windows conform to the requirements stated above. Both doors are fitted with latching mechanisms to secure each door when closed. One door has a locking latch which allows both doors to be securely locked when closed.

- **Wheelchair Lift:** A front pump 12 volt, fully automatic, electrohydraulic, or mechanical, folding platform wheelchair lift with a design load of not less than 600 pounds is installed inside the lift access doors. Installation of the lift does not diminish the vehicle’s structural integrity. The platform lift is certified by the manufacturer to meet the requirements of DOT 49 CFR Part 38.

- **Wheelchair Transport Space.** Two functional wheelchair transport spaces are provided at a minimum. The spaces are located as in the attached figures. Each such space is at least 30 inches wide and 48 inches long. Please refer to figure below.

- **Wheelchair Securement:** Each wheelchair space shall be equipped with auto-tensioning, auto locking retractor style restraint system with knobs that allows for final tightening of the securement if necessary. Securement system must meet the requirements of DOT 49 CFR Part 38, SAE J2249, WC 18, along with all recognized government standards. This system shall be installed according to the manufacturer's instructions and specification. Securement system should consist of the following items produced by Sure-Lok or equivalent.

**Stanchions, Modesty Panels, and Handrails:**

- **Stanchions:** Vertical, floor-to-ceiling stanchions are installed on the right hand side of the aisle behind the stepwell and behind the rearmost position of the driver’s seat. Stanchion behind the driver seat must allow the driver’s seat to recline to maximum extent possible with seat position slid back to the rear-most position.
• **Modesty Panels:** A horizontal guardrail and sheet metal barrier panel or hardboard laminate panel is installed.

• **Handrails and Stanchions:** Handrails and stanchions are provided to meet the requirements of 49 CFR Part 38 Subpart B 38.29.

**Priority Seating Sign:**

• Are furnished as required by 49 CFR Part 38 Subpart B 38.27.

**Interior Finish:**

• All materials used in the passenger compartment, including upholstery, padding, floor covering, and insulation conforms to the requirements of FMVSS No. 302, and materials that emit toxic gases as by-products of combustion are not used.

• Floor covering is altro Transflor Meta 2.2 mm, color 903 storm. Entrance step treads are yellow vinyl step nosing. The floor covering is installed according to the recommendation of its manufacturer.

• Those interior surfaces that are not padded or covered with a decorative vinyl surface are appropriately primed and finished with a top-quality Acrylic enamel. Color of paint and other interior finishing materials harmonizes with the vehicle’s exterior finish.

**Exterior Finish:**

• The exterior color of the vehicle is white.
FFV E85 7 PASSENGER MINIVAN
FWD 4 BUCKET SEATS

2019 or Current Production Year Front Wheel Drive Flex Fuel Vehicle E85

Make: Dodge
Model: Grand Caravan
Engine: 3.6L V-6
Transmission: Minimum six forward Speed Automatic, with converter
Cost Estimate: $26,000 (or subject to change)

**Standard Features: Body**

Color Exterior White
Glass: Approved tinted safety glass, windows and windshields. Sunscreen glass (darkest tint of privacy glass) on side and rear windows.
Insulation: Heavy duty insulation in roof, floor, sidewalls and doors. Full-length headliner
Doors: Right and left side sliding doors for passenger use.
Seats: (Interior Pewter Cloth) the unit shall be equipped with foam rubber cushions, with cloth covering with vinyl trim. The two front seats and the two center seats are to be high back bucket or captain’s chair type, with two arm rests on each seat. All rear seats quick-disconnect type or stow-and-go capable seating.
Arm Rests: Both left and right-hand sides of each front seat. Door armrests will be accepted.
Mirrors: Interior rear vision adjustable, day and night tab (selector type, non-glare). Outside rear vision mirrors of electric remote control type mounted on left and right sides of vehicle, minimum 6 inches by 9 inches.
Power Outlet
Seat Belts: Individual lap/shoulder for all seats as applicable per seat occupancy with standard automatic retractors.
Air Conditioner: Manufacturer's dual front and rear factory installed air-conditioning, manually controlled, to include all items normally included in the factory package.
Heater: Dual front and rear fresh air type heater with windshield defroster.
Radio: Manufacturer's stereo AM/FM.
Manufacturer's Rear Window Defroster.
Manufacturer's electric Power Locks.
Manufacturer's automatic speed control.
SUSPENSION AND RUNNING GEAR

Wheelbase: Minimum standards as stated in the specification.

Power steering.

Steering Wheel/Column: Manufacturer’s tilt steering wheel.

Tires: Four standard (minimum 16 inches) all season steel-belted radials manufactured and labeled by a major manufacturer and installed by factory. Tires should have a 50,000-mile tire rating.

Brakes: Four wheel disk brakes and Anti-Lock braking system.

ELECTRICAL SYSTEM

Ignition System: 12-volt, solid state.

Battery: Heavy-duty.

FFV E85 1 TON 12 PASSENGER VAN
2019 or Current Production Year One Ton 12 Passenger Van Flex Fuel Vehicle E85 Make:

Cost Estimate: $32,000 (or Subject to change)
Model: Ford
Engine: 3.6L V-6
Transmission: Minimum six forward Speed Automatic, with converter

Standard Features: Body

Color Exterior White

Glass: Approved tinted safety glass windows, windshields. Sunscreen glass (darkest tint of privacy glass) on side and rear windows.

Insulation: Heavy-duty insulation in roof, floor, sidewalls and doors. Full-length headliner.

Seats: (Interior Pewter Cloth) the unit will equipped with foam rubber cushions, with cloth covering with vinyl trim. The two front seats and the two-center seats high back bucket or captain's chair type, with two arm rests on each seat. All rear seats quick-disconnect type or stow-and-go capable seating.

Arm Rests: Both left and right-hand sides of each front seat. Door armrests accepted.

Mirror: Interior rear vision adjustable, day and night tab (selector type, non-glare). Outside rear vision mirrors of electric remote control type mounted on left and right sides of vehicle, minimum 6 inches by 9 inches.

Power Outlet.

Seat Belts: Individual lap/shoulder for all seats as applicable per seat occupancy with standard automatic retractors.

Air Conditioner: Manufacturer's dual front and rear grade factory installed air-conditioning, manually controlled, to include all items normally included in the factory package. Both front and rear.

Heater: A fresh air type heater with windshield defrosters front and rear.

Radio: Manufacturer's AM/FM Stereo.

Manufacturer's electric power locks.

Two (2) fully functional keys to enter and operate the vehicle.

Manufacturer's automatic speed control.

Airbag: Manufacturer equipped and installed.
Fuel State Tank: 25-gallon.

Doors: Right side only standard 60/40 swing outdoors. Rear doors a 50/50 design.

Controls and Instruments: Key locking ignition switch; head, parking and dome light switches, headlight beam control; speedometer; volt-meter; fuel gauge; oil pressure gauge; engine temperature gauge; high beam indicator light; traffic hazard switch; flashing turn indicator lights.

**SUSPENSION AND RUNNING GEAR**

Wheelbase: Minimum standards as stated in the specifications.

Power steering.

Steering Wheel/Column: Manufacturer’s Tilt steering wheel.

Tires: Five standard (16-inch) all season steel-belted radial tires. Tires have a 50,000-mile tire rating.

Brakes: Anti-Lock braking system. Front and rear disk brakes.

**ELECTRICAL SYSTEM**

Ignition System: 12-volt, solid state.

Battery: Heavy-duty.