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MASSDOT FULLY ACCESSIBLE VEHICLE GUIDE

AN OVERVIEW OF ACCESSIBLE VEHICLE SPECIFICATIONS

September 2025

INTRODUCTION

The state's Mobility Assistance Program (MAP) and the FTA's Section 5310 Program provide capital funding to transit agencies, municipalities, Councils on Aging, and private non-profits for the purchase of vehicles to be used in the provision of transportation services to older adults and individuals with disabilities of any age.

Through these two programs, MassDOT provides funding for accessible vehicles that meet a set of minimum standards, which are described below. MassDOT pays an 85% share of the cost of the "base vehicle." This refers to all parts of the vehicle required to meet the minimum standards described in this document, but none of the additional optional features. Receiving agencies may elect to purchase vehicles with additional optional features, but these options must be fully paid for by that agency.

MassDOT retains the vehicle title and is the lien holder for the duration of the vehicle's useful life. After this period has elapsed, the agency can work with MassDOT to transfer the title to them in accordance with MassDOT's disposition policy.

Below are type-specific standards for each of MassDOT's accessible vehicles. Please be aware that the listed vehicle costs are just estimates; actual cost will vary depending on the Producer Price Index (PPI) at the time the order is placed.¹

¹ RFR # [BD-23-1 030-QTI 00-0T I 00-81603](#)

TYPES OF VEHICLES

Vehicle brand and configuration are determined by MassDOT during the State's procurement process. Current contract dealers, manufacturers, and vehicle types are listed below.

Vehicle Type	Dealer	Vehicle Model
Type A	Model1	Chrysler Voyager BraunAbility
Type A – Electric (EV)	Model1	Ford E-Transit
Type E	Coach & Equipment	Ford E-350 Cutaway
Type E2a	Coach & Equipment	Ford E-350 Cutaway
Type E2b	Coach & Equipment	Ford E-350 Cutaway
Type Ca	Coach & Equipment	Ford E-450 Cutaway
Type Cb	Coach & Equipment	Ford E-450 Cutaway
Type Da ²	Coach & Equipment	Ford E-450 Cutaway
Type Db ³	Coach & Equipment	Ford E-450 Cutaway
Type LF	Model1	New England Wheels Frontrunner

VEHICLE SPECIFICATIONS

Each type of vehicle has a different set of specifications, but certain standards apply across all vehicles:

- “Passenger Capacity” below refers to the maximum number of ambulatory passengers capable of being transported in the vehicle. Wheelchair passengers may take up the space of two or more ambulatory passengers, so a vehicle may be full even though it contains fewer people than its maximum passenger capacity.
- All vehicles must have a rear emergency door.

² **NOTE:** A Class C CDL (Commercial Driver's License) with a Passenger Endorsement is required for this vehicle type

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OPTIONAL FEATURES

Receiving agencies that wish to purchase additional vehicle features may do so at their own expense, in accordance with the approved RFR. Options that may be upgraded include:

- ITS and communications (automatic vehicle locators, fareboxes, etc.)
- Cameras (for reversing, and interior and exterior for driver and passenger safety)
- Electronic destination signs (front and curbside)
- Collision warning and avoidance system
- Passenger amenities (seating, grab handles, grab rails, etc.)
- Driver amenities (seating, cruise control, etc.)
- Paint scheme/details (base vehicle is white with vinyl striping)
- Additional spare tires
- Bike racks⁴

The costs of optional features range from a few hundred dollars (such as for grab handles/grab rails) to a few thousand dollars (such as for a bike rack). For a full list of available options and pricing, please contact us using the information below.

CONTACT INFORMATION

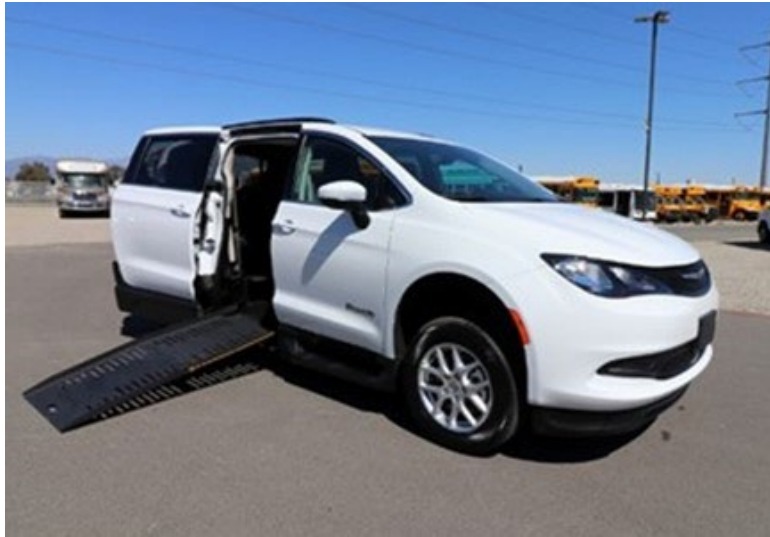
Thank you for your interest in accessible vehicles through MassDOT's Community Transit Grant Program! If you have any questions, please contact:

Rachel Fichtenbaum
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Rachel.L.Fichtenbaum@dot.state.ma.us
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⁴ May vary by model. For example, not recommended on the LF.

TYPE A



Minivan style vehicle with one or two wheelchair positions and manual accessibility ramp. The vehicle seats six ambulatory passengers, four ambulatory passengers and one wheelchair position, or three ambulatory passengers and two wheelchair positions.

Capacity: 6-passenger

Weight: 6,055 GVWR

Length: 17-feet

Body Design: Purpose-Built (non-conversion)

Wheelchair Accommodation: Two positions max

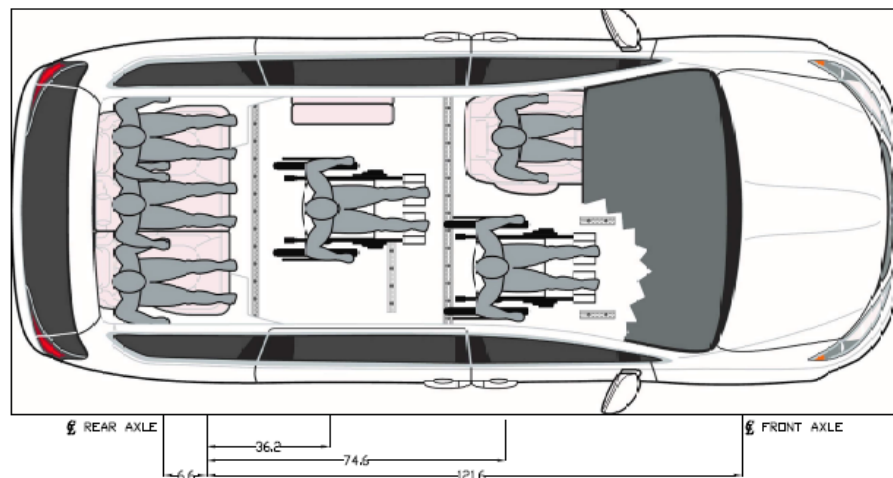
Driver's License Req.: Class D

Useful Life: 8 Years or 100,000 miles

Fuel: Gasoline

Other Fuel Options: N/A

	3.7L Gas Option
Total Cost	\$90,258
85% Split	\$76,719
15% Split	\$13,539



TYPE A – ELECTRIC (EV)



Medium-roof van, single rear wheel, with rear wheelchair lift. The vehicle seats four ambulatory passengers and two wheelchair positions. Comes with a Level 2 wall charger, 120V/240V mobile power cord, and an on-board charger (10.5 kW out/11.3 kW in).

Capacity: 6-passenger

Weight: 9,500 GVWR

Length: 20-feet

Body Design: single rear wheel

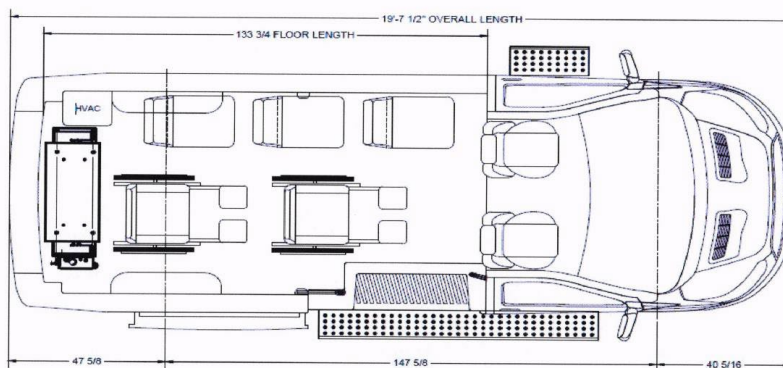
Wheelchair Accommodation: Two wheelchair positions

Driver's License Req.: Class D

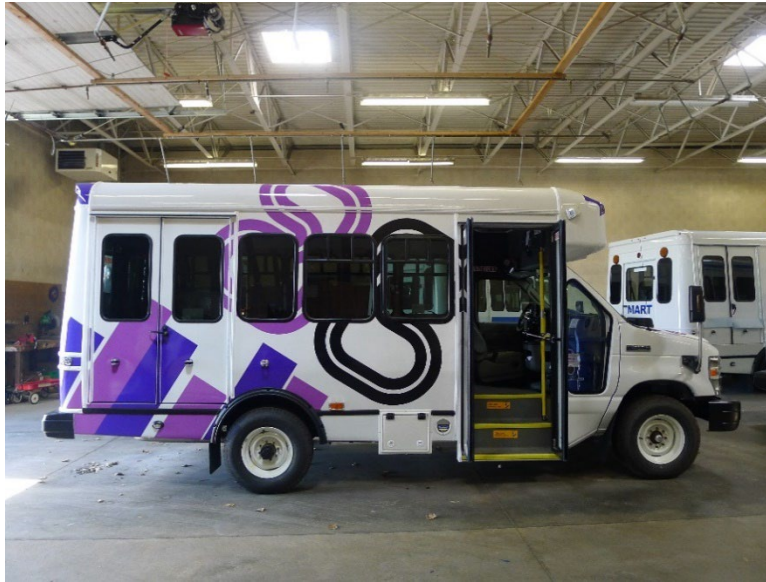
Useful Life: 8 Years or 100,000 miles

Other Fuel Options: N/A

	EV Option
Total Cost	\$121,369
85% Split	\$103,164
15% Split	\$18,205



TYPE E



Note: Skins and lettering depicted in picture are options that carry an additional cost.

Raised-roof “body-on-chassis cutaway,” single rear wheel, with wheelchair lift. The vehicle seats eight ambulatory passengers, six ambulatory passengers and one wheelchair position, or four ambulatory passengers and two wheelchair positions.

Capacity: 8-passenger

Weight: 10,050 GVWR

Length: 20.5-feet

Body Design: Body-on-chassis, single rear wheel

Wheelchair Accommodation: Up to three wheelchair positions

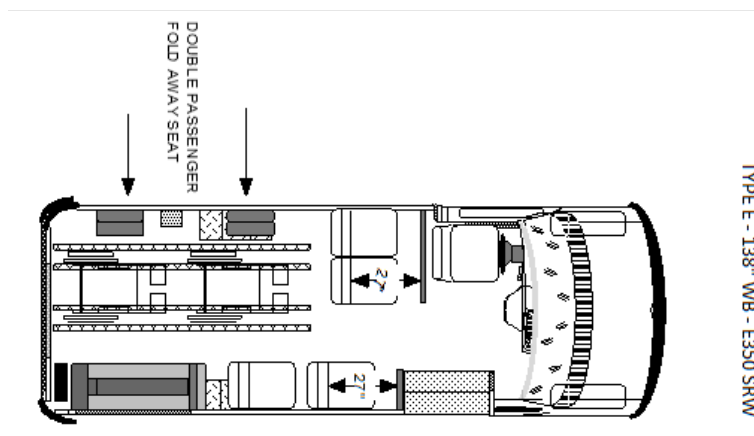
Driver’s License Req.: Class D

Useful Life: 8 Years or 100,000 miles

Fuel: Gasoline

Other Fuel Options: N/A

	Gas Option
Total Cost	\$121,716
85% Split	\$103,458
15% Split	\$18,257



TYPE E2A



Note: Skins and lettering depicted in picture are options that carry an additional cost.

Raised-roof “body-on-chassis cutaway,” dual rear wheel, with wheelchair lift. The vehicle seats up to 12 ambulatory passengers, 10 ambulatory passengers and one wheelchair position, eight ambulatory passengers and two wheelchair positions, or three ambulatory passengers and three wheelchair positions.

Capacity: 12-passenger

Weight: 12,500 GVWR

Length: 22-feet, 9-inches

Body Design: Body-on-chassis, dual rear wheel

Wheelchair Accommodation: Up to four wheelchair positions

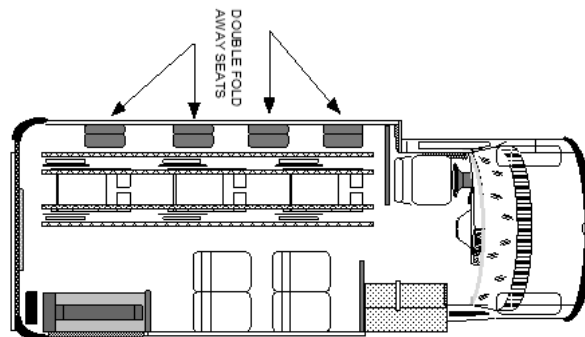
Driver’s License Req.: Class D

Useful Life: 8 Years or 100,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$134,002
85% Split	\$113,902
15% Split	\$20,100



TYPE E2a - 158" WB - E350

TYPE E2B



Note: Please note that the vehicle's exterior is the same as the E2A. Skins and lettering depicted in picture are options that carry an additional cost.

Raised-roof "body-on-chassis cutaway," dual rear wheel, with wheelchair lift. The vehicle seats up to 12 ambulatory passengers or 10 ambulatory passengers and two wheelchair positions.

Capacity: 12-passenger

Weight: 12,500 GVWR

Length: 22-feet, 9-inches

Body Design: Body-on-chassis, dual rear wheel

Wheelchair Accommodation: Up to four wheelchair positions

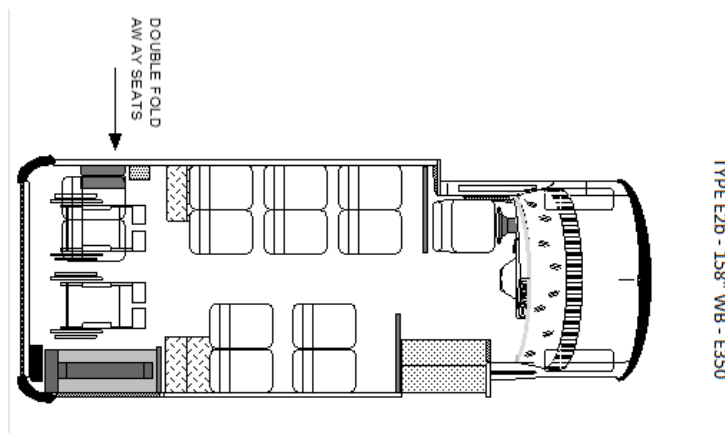
Driver's License Req.: Class D

Useful Life: 8 Years or 100,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$127,457
85% Split	\$108,338
15% Split	\$19,118



TYPE CA



Note: Skins and lettering depicted in picture are options that carry an additional cost.

Raised-roof “body-on-chassis cutaway,” dual rear wheel, with wheelchair lift. The vehicle seats up to 14 ambulatory passengers, 12 ambulatory passengers and two wheelchair positions, 10 ambulatory passengers and three wheelchair positions, or six ambulatory passengers and four wheelchair positions.

Capacity: 14-passenger

Weight: 14,500 GVWR

Length: 23-feet, 6-inches

Body Design: Minibus design

Wheelchair Accommodation: Up to five wheelchair positions

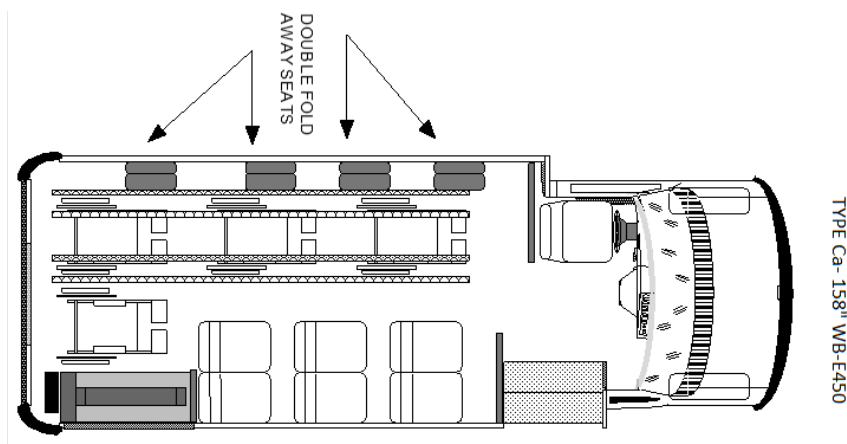
Driver’s License Req.: Class D

Useful Life: 8 Years or 150,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$138,940
85% Split	\$118,099
15% Split	\$20,841



TYPE CB



Note: Please note that the vehicle's exterior is the same as the CA. Skins and lettering depicted in picture are options that carry an additional cost.

Raised-roof "body-on-chassis cutaway," dual rear wheel, with wheelchair lift. The vehicle seats up to 14 ambulatory passengers, or 12 ambulatory passengers and two wheelchair positions.

Capacity: 14-passenger

Weight: 14,500 GVWR

Length: 23-feet, 6-inches

Body Design: Minibus design

Wheelchair Accommodation: Up to five wheelchair positions

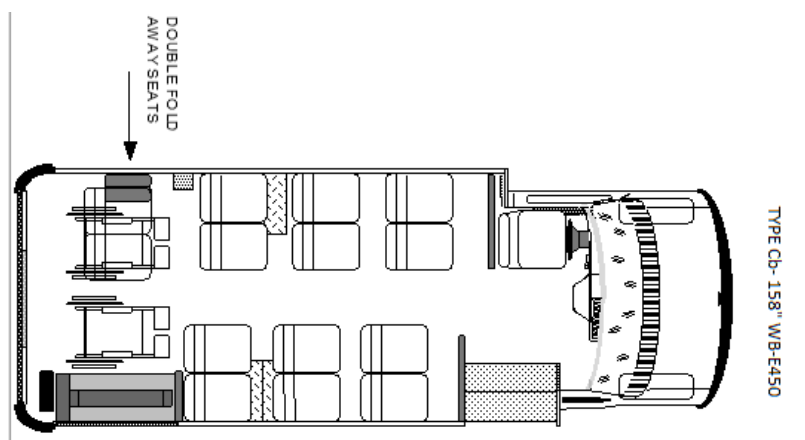
Driver's License Req.: Class D

Useful Life: 8 Years or 150,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$130,327
85% Split	\$110,778
15% Split	\$19,549



TYPE DA



Raised-roof “body-on-chassis cutaway,” dual rear wheel, with wheelchair lift. The vehicle seats up to 16 ambulatory passengers and two wheelchair positions, 14 ambulatory passengers and three wheelchair positions, or 10 ambulatory passengers and four wheelchair positions. A Class C CDL (Commercial Driver’s License) with a Passenger Endorsement is required for this vehicle type.

Capacity: 16-passenger

Weight: 14,500 GVWR

Length: 25-feet

Body Design: Minibus design

Wheelchair Accommodation: Up to six wheelchair positions

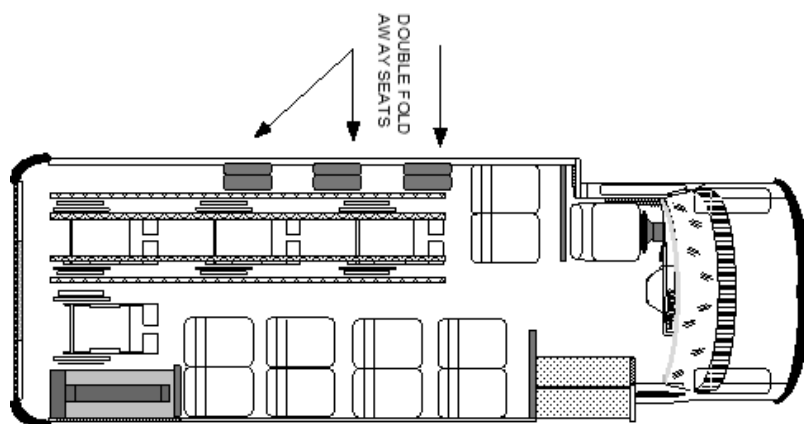
Driver’s License Req.: Commercial Driver’s License (CDL) with Passenger Endorsement

Useful Life: 10 Years or 150,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$142,385
85% Split	\$121,027
15% Split	\$21,358



TYPE DA - 176" WB-E450

TYPE DB



Note: Please note that the vehicle's exterior is the same as the DA

Raised-roof "body-on-chassis cutaway," dual rear wheel, with wheelchair lift. The vehicle seats up to 16 ambulatory passengers and two wheelchair positions. A Class C CDL (Commercial Driver's License) with a Passenger Endorsement is required for this vehicle type.

Capacity: 16-passenger

Weight: 14,500 GVWR

Length: 25-feet

Body Design: Minibus design

Wheelchair Accommodation: Up to six wheelchair positions

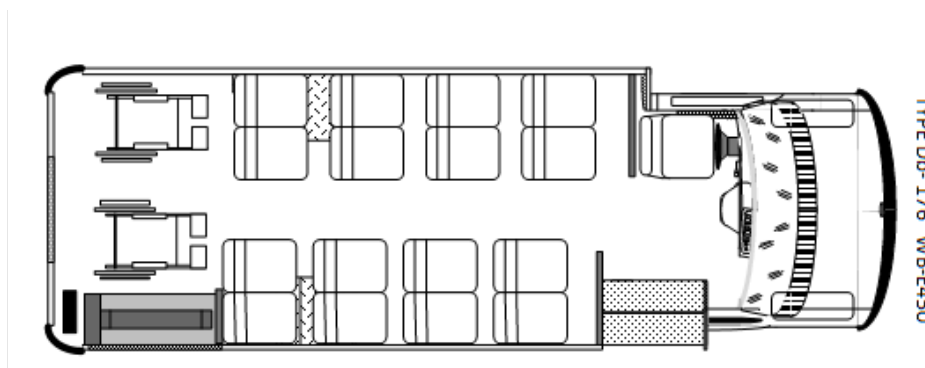
Driver's License Req.: Commercial Driver's License (CDL) with Passenger Endorsement

Useful Life: 10 Years or 150,000 miles

Fuel: Gasoline

Other Fuel Options: CNG and Propane available (RTAs only), if interested please contact MassDOT for pricing information.

	Gas Option
Total Cost	\$133,199
85% Split	\$113,219
15% Split	\$19,980



TYPE LF (LOW FLOOR)



Raised-roof “body-on-chassis cutaway,” single rear wheel with manual accessibility ramp. The vehicle seats up to 14 ambulatory passengers and has 2 wheelchair positions.

Capacity: 14-passenger

Weight: 9,350 GVWR

Length: 23 feet

Body Design: Minibus design

Wheelchair Accommodation: Two wheelchair positions

Driver’s License Req.: Class D

Useful Life: 8 Years or 150,000 miles

Fuel: Gasoline

Other Fuel Options: N/A

	Gas Option
Total Cost	\$214,330
85% Split	\$182,180
15% Split	\$32,149

