

PART 3

OPTIONS



Contract # TRIPS-MD-17-RFP

MEDIUM DUTY CHASSIS TYPE TRANSIT
VEHICLES

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OPTIONS

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3.1.0 ENGINES, DIESEL OR ALTERNATIVE FUELED

- 3.1.1 Diesel engine meeting current EPA requirements in place of the standard engine. Engine must meet standards described in Part 2, Section 2.3.0.
- 3.1.2 Compressed Natural Gas (CNG) or Alternative Fueled engine meeting current EPA requirements in place of the standard diesel engine. Engine must meet standards described in Part 2, Section 2.3.0.
- 3.1.3 Hybrid-electric propulsion system meeting current EPA requirements in place of the standard diesel engine. Engine must meet standards described in Part 2, Section 2.3.0.
- 3.1.4 Full stainless steel exhaust system.

3.2.0 TRANSMISSION

- 3.2.1 Specify the type and manufacturer of any alternative transmissions.

3.3.0 WHEELS

- 3.3.1 Provide Aluminum wheels in place of standard steel wheels.
- 3.3.2 Additional matching mounted and balanced spare tire and wheel assemblies.
- 3.3.3 Hub O Meter See 2.15.5.

3.4.0 SEATS

- 3.4.1 American Seating – 6468-VR 50 Inserts:
 - Standard
 - Flip Type
 - Foldaway
- 3.4.2 Freedman Seating City-Seats, AV Inserts:
 - Standard
 - Flip Type
 - Foldaway
- 3.4.3 Seat Covers (Passenger)

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3.5.0 DRIVER'S SEAT

- 3.5.1 USSC Evolution G2A with pedestal
- 3.5.2 USSC Q90
- 3.5.3 USSC LX Series
- 3.5.4 USSC 9000 Series
- 3.5.5 Freedman G2ELPQR
- 3.5.6 Recaro Ergo M with pedestal
- 3.6.0 Adjustable three speed driver's fan.

3.7.0 FLOOR COVERING

- 3.7.1 Provide Altro Transflor slip resistant sheet vinyl flooring with smooth, all welded seams. Each customer will determine color / design selection. Include Altro step tread material with *yellow* step nosing and *white* "standee line" insert.
- 3.7.2 Provide Gerfloor slip resistant sheet vinyl flooring with smooth, all welded seams. Each customer will determine color / design selection. Include Gerfloor step tread material with *yellow* step nosing and *white* "standee line" insert.

3.8.0 LUGGAGE RACK

- 3.8.1 Floor mounted luggage Rack(s).

3.9.0 GRAB RAILS AND STANCHIONS

- 3.9.1 Yellow powder-coated hand rails and stanchions.
- 3.9.2 Stainless steel hand rails and stanchions.

3.10.0 REMOTE EXTERIOR MIRRORS

- 3.10.1 Specify type and manufacturer of alternative mirrors meeting MD-17 specifications 2.19.1.

3.11.0 REVERSE ASSISTANCE DETECTION SYSTEM

- 3.11.1 Reverse assist system.
- 3.11.2 Reverse camera and monitor backing system.

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3.12.0 AIR PURIFICATION SYSTEM

- 3.12.1 The system shall be designed for bus application to eliminate the spread of virus, bacteria, odors, mold and fungus growth within the bus air conditioning evaporator coils, drain pan and ducting.

3.13.0 WHEEL CHAIR RAMP

- 3.13.1 Ricon Ramp
- 3.13.2 Lift-U Ramp
- 3.13.3 Braun Ramp

3.14.0 SECUREMENT DEVICES

- 3.14.1 SURE-LOK Titan restraint system.
- 3.14.2 Q-Straint QRT Max restraint system.
- 3.14.3 WC-18 Compliant restraint system.
- 3.14.4 Q-Pod Securement Station.
- 3.14.5 Q-Straint Quantum Securement Station.
- 3.14.6 W/C lap/shoulder restraint belt extensions.

3.15.0 SAFETY EQUIPMENT

- 3.15.1 Fogmaker Fire Suppression System; a complete turn-key automatic fire suppression system.
- 3.15.2 Kidde Fire Suppression System; a complete turn-key automatic fire suppression system.
- 3.15.3 DAFO fire suppression system; a complete turn-key automatic fire suppression system.
- 3.15.4 Camera systems priced by camera quantity, i.e., 2 camera system, 4 camera system, etc.
- 3.15.5 ROSCO Dual Vision video event recorder.
- 3.15.6 LYTX drive cam

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- 3.15.7 Event Data Recorder meeting MD-17 specification 2.47.7.
- 3.15.8 Camera system replacement parts, i.e., cameras, hard drives, supporting equipment, etc.
- 3.15.9 An in-vehicle computer that allows electronic delivery of passenger manifests, automatic data collection, in-vehicle navigation and enhanced driver/dispatcher communication. The system shall be capable of integration to other on-board systems, including existing APC, IVR and GPS onboard units and shall be a turn-key installation.
- 3.15.10 Avail MDT –Driver Interface, Communications, Interface Expansion Box (IEB), Emergency Alarm, and Navigational Assistance Unit.
- 3.15.11 Pre-Trip inspection module. The pre-trip module shall sequentially turn on and off all the lights on the bus, including the brake and reverse lights.

3.16.0 PA & ENTERTAINMENT SYSTEMS

- 3.16.1 A Radio Engineering Industries (REI) public address system meeting MD-17 specification 2.23.1.

3.17.0 DESTINATION SIGNS

- 3.17.1 A manually operated destination sign for limited destination readings shall be offered. Front destination sign shall be a Transign LLC, single roller curtain type installed above the windshield with a glass exposure of 8 inches x 60 inches. The side destination sign for a front door only bus will be a single roller type installed in the upper curbside window immediately behind the entrance door with a glass exposure of 5-3/4" x 28". The side destination sign for a front and rear door bus shall be installed in the upper curbside window immediately in front of the rear door. Destination signs will be electrically operated, LED, fluorescent or incandescent backlit display, single curtain, .003 mil. thick Mylar anti-glare material, with provisions for a minimum of 25 readings and a maximum of 175 readings of 5 inch high Helvetica medium font letters for the front sign and Helvetica medium font letters 4" high characters for the side sign. Control switch is to be located on the left hand of the driver's console. Curtain destination signs will conform to the Americans With Disabilities Act Part 38. Characters on these signs will have a width-to-height ratio between 3:5 and 1:1 and a stroke width-to-height ratio between 1:5 and 1:10. Generally, the space between letters will be 1/16 the height of upper case letters and will contrast with the background using either yellow letters on green or black background; or white letters on red, green, blue or black background per the purchaser's choice, for route and destination identification. The following destination readings will be standard on all destination signs ordered under this contract, with colors noted:

Bus Garage (yellow letters on black background)

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Not In Service (yellow letters on black background)
Special Service (yellow letters on black background)
Shuttle Service (yellow letters on black background)
Downtown (yellow letters on green background)
Town Center (yellow letters on green background)
Public Transportation (yellow letters on green background)
Emergency Service (white letters on red background)
Emergency Shelter (white letters on red background)
Evacuation Route (white letters on red background)
Express (white letters on red background)

- 3.17.2 Twin Vision Elyse software Electronic Destination system full front and side signs; and a separate rear number only sign shall be provided. The system shall be compatible with Windows 2000 or Windows XP software, using IBM 486 or higher PC/AT capacity, PCMCIA memory download technology. Electronic destination signs will conform to the Americans With Disabilities Act Part 38. The electronic destination sign shall utilize Helvetica yellow medium lettering on black background. The readings listed in 3.16.1 above shall also be standard in all Elyse electronic destination signs ordered under this contract.
- 3.17.3 A Twin Vision Mobi-Lite electronic destination sign, or approved equal, with side destination sign, using amber LED's and has fully programmable features that allow both large single and double line capabilities. The readings listed in 3.16.1 above shall also be standard in all Mobi-Lite electronic signs ordered under this contract.
- 3.17.4 A Transign Vista Star electronic destination sign, or approved equal, with side destination sign, using amber LED's and has fully programmable features that allow both large single and double line capabilities. The readings listed in 3.16.1 above shall also be standard in all Transign electronic signs ordered under this contract.
- 3.17.5 A Transign LLC 2-digit incandescent backlight, with anti-glare finish, dash mounted Block/Run Number Box, or approved equal, shall be provided. White, red or yellow LED letters/numbers on a black background, displayed in a plastic or metal frame, to operate on a 12 volt system.
- 3.17.6 A Transign LLC 3-digit incandescent backlight, with anti-glare finish, dash mounted Block/Run Number Box, or approved equal, shall be provided. White, red or yellow LED letters/numbers on a black background, displayed in a plastic or metal frame, to operate on a 12 volt system.
- 3.17.7 A "STOP REQUESTED" sign, as manufactured by Transign LLC, or approved equal, installed in the front vestibule area. Sign is activated by passengers and de-activates with the opening of the passenger entry door. Injected molded with display area of 2.5 X 19.75 minimum. Provide a silk screened lens display face with yellow letters on green background, or as required by Purchaser.

3.18.0 BODY

