

**CAPITAL METROPOLITAN TRANSPORTATION AUTHORITY
EXHIBIT F-1: TECHNICAL SPECIFICATIONS**

17.2.4. Steering Wheel Telescopic Adjustment

The steering wheel shall have full telescoping capability and have a minimum telescopic range of 2 inches and a minimum low-end adjustment of 29 inches, measured from the top of the steering wheel rim in the horizontal position to the cab floor at the heel point.

TABLE 4

Steering Wheel Height Relative to Angle of Slope

At Minimum Telescopic Height Adjustment (29 in.)		At Maximum Telescopic Height Adjustment (5 in.)	
Angle of Slope	Height	Angle of Slope	Height
0 d	20 in	0 d	25 in
15 d	20.2 in	15 d	21.2 in
25 d	20.4 in	25 d	21.4 in
35 d	20.5 in	35 d	21.5 in

1. Measured from bottom portion closest to driver.

18. Axles

18.1. Drive Axle

If the bus is driven by a heavy-duty axle then the axle shall have a load rating sufficient for the bus loaded to GVWR. The drive axle shall have a design life to operate for not less than 300,000 miles on the operating profile without replacement or major repairs. The lubricant drain plug shall be magnetic type. If a planetary gear design is employed, then the oil level in the planetary gears shall be easily checked through the plug or sight gauge. The axle and driveshaft components shall be rated for both propulsion and retardation modes with respect to duty cycle. If a planetary gear design is employed, then the planetary gear drain plugs shall also be magnetic.

The drive shaft shall be guarded to prevent hitting any critical systems, including brake lines, coach floor or the ground, in the event of a tube or universal joint failure.

18.1.1. Hubodometer

The Authority requires the installation of a hubodometer on each vehicle with the following salient features:

- Programmable to the exact dimensions of over 2,500 tire models
- Preprogrammed for the specified tire requirements
- Compact in size allowing for mounting and dismounting tires without the removal of the meter from the wheel
- No moving parts
- Large, easy-to-read LCD display that automatically positions numbers upright

The hubodometer shall be installed on the curbside rear dual wheel assembly in a manner that allows the meter to track mileage.

18.2. Turning Radius

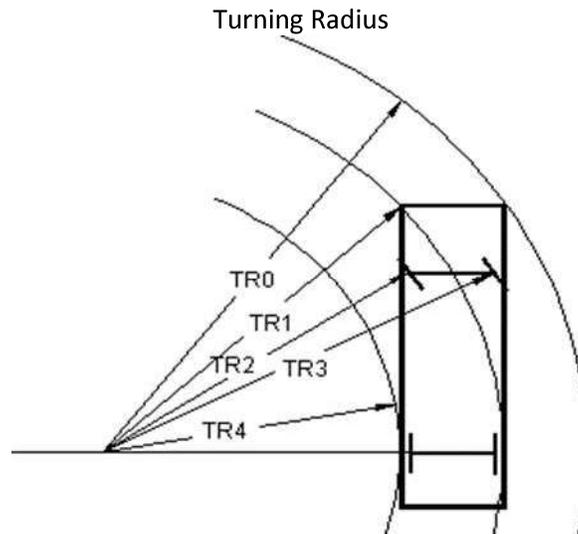
TABLE 5

Maximum Turning Radius

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Bus Length (approximate)	Maximum Turning Radius (see Figure 5)	Authority Requirement
40 ft	40 ft R0	40 ft an 5 ft

FIGURE 5



19. Brakes

19.1. Service Brake

Brakes shall be self-adjusting. Brake wear indicators (visible brake indicators) should be provided on exposed push rods.

19.2. Regenerative Braking

In addition to traditional mechanical friction service braking, the bus should be equipped with regenerative braking designed to improve energy efficiency and extend brake lining service life. The application of regenerative braking shall cause a smooth blending of both regenerative and service brake function. Actuation of Anti-lock Braking System (ABS) and/or Automatic Traction Control (ATC) shall override the operation of the regenerative brake.

19.3. Actuation

Service brakes shall be controlled and actuated by a compressed air system. Force to activate the brake pedal control shall be an essentially linear function of the bus deceleration rate and shall not exceed 75 pounds at a point 7 inches above the heel point of the pedal to achieve maximum braking. The heel point is the location of the driver's heel when his or her foot is rested flat on the pedal and the heel is touching the floor or heel pad of the pedal. The Electronic Control Unit (ECU) for the Anti-lock Braking System (ABS) system shall be protected, yet in an accessible location to allow for ease of service.

The total braking effort shall be distributed among all wheels in such a ratio as to ensure equal friction material wear rate at all wheel locations. The Vehicle Manufacturer shall demonstrate compliance by providing a copy of a thermodynamic brake balance test upon request.

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The interior displays shall have the following features:

- Display size: 29inches
- Aspect Ratio: 32:9
- Resolution: 1080P
- Brightness: 400-600 units
- Power: 24vdc
- Ruggedized for transit applications
- IP54 Seal rating

Inputs required for displays:

- Door open (Cancels stop request)
- Standard stop request
- WC stop request
- Connected to cellular router

On Board Digital Display signs at a minimum shall be capable of displaying passenger “Stop Request” and “Next Stop”. The vendor shall use an Antaira LNX-500A-T internet switch or approved equivalent. The salient characteristics of Antaira LNX-500A-T are the following: Supports 5-port 10/100Tx RJ45 Fast Ethernet; supports auto MDI/MDI-X Function; 5-year warranty and redundant power input. Authority reserves the right of final configuration approval.

38.3. Exterior Displays

Exterior displays provision not required.

39. Passenger Stop Request/Exit Signal

39.1. Touch Button/ ADA Passenger Signal

ADA passenger “stop requested” signal system that complies with applicable ADA requirements defined in 49 CFR, Part 38.37, shall be provided. The system shall consist of square touch buttons, double chime and interior sign message. The touch buttons shall be accessible to all seated ADA passengers, with provisions for standees. It shall be easily accessible to all passengers, seated or standing. ADA passenger signal button(s) shall be provided on the bottom of flip up seats in the ADA area (wheelchair parking positions and in priority seating positions). Below is a drawing of the desired configuration:

EXHIBIT H – AUTHORIZATION OF WORK PRODUCT

DESCRIPTION: Gillig Hybrid Diesel Buses
CONTRACT NO.: 500301

Authority's Contracting Officer (CO)

- A. The CO for administration of this Contract is Sean Wighamam
- B. Phone: 512-369-6243
- C. Email: sean.wighamam@capmetro.org

The Contracting Officer is responsible for the general administration of the Contract, negotiation of any changes, and issuance of written modifications, task order revisions, or Change Orders (as it pertains to Construction Contracts Only and results in a Contract modification – see below) to the Contract. If the parties desire to modify the Contract, or revise the Task Order of the Contract, in any way, only the Contracting Officer is authorized to issue a written modification for authorized signatures.

Authority's Project Manager (PM)

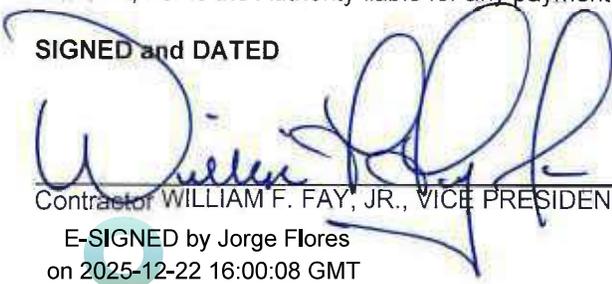
- A. The PM for this Contract is Jorge Flores
- B. Phone: 512-369-6271
- C. Email: jorge.flores@capmetro.org

The Authority's PM for this Contract is responsible for the overall management and coordination of this Contract and will act as the central point of contact for the Authority. The PM has full authority to act for the Authority in the performance of any project connected to the Contract. However, the PM cannot authorize, in writing or orally, to commence any work. The PM shall meet with Contractor's PM to discuss problems as they occur. Any changes, including changes pursuant to the Changes clause in the Contract, will be handled solely by the CO. As needed, the Authority's PM may assist with development of Change Orders and Contract modifications with the Authority's CO.

Field Change Orders (Construction Contracts Only) – The Authority's PM is permitted to authorize work when an event occurs in the field during construction which requires immediate action. Immediately, but no later than three (3) business days following such action, the Authority's PM must provide a signed Change Order to the CO along with any other required procurement documentation in order to memorialize the Change Order in a task order revision or Contract modification.

The Contractor understands that should Contractor perform any work prior to written authorization by the Authority's CO, Contractor is not allowed to invoice for any additional cost or fee for services or goods under the Contract, nor is the Authority liable for any payment for any unauthorized work.

SIGNED and DATED


Contractor WILLIAM F. FAY, JR., VICE PRESIDENT SALES
E-SIGNED by Jorge Flores
on 2025-12-22 16:00:08 GMT

DECEMBER 19, 2025
Date

Authority's Project Manager (PM)

December 22, 2025
Date

E-SIGNED by Sean Wighamam
on 2025-12-22 16:00:37 GMT

December 22, 2025
Date

Authority's Contracting Officer (CO)