



901-2019 ADDENDUM 2

SUPPLY AND DELIVERY OF HEAVEY-DUTY 40 FT. LOW-FLOOR TRANSIT BUSES

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE TENDER

ISSUED: February 05, 2020
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE TENDER AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20190115

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Tender, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 8 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 4:00 p.m. Winnipeg time, February 28, 2020.

PART D – SUPPLEMENTAL CONDITIONS

Revise: D2.6 (b) to read: Contract Deliverables:

Deliverable	Due Date	Format	Quantity Due
Material samples	Pre-production meeting		1
Undercoating system program	Pre-production meeting	Electronic	1
Technical review of electronic functionality	Pre-production meeting	Hardcopy Electronic	1 1
Interior security camera layout	Pre-production meeting	Electronic	1
Technical review of power plant	Pre-production meeting	Electronic	1
Engineering support	Pre-production meeting	Contracts	1
List of OEM component repair manuals	Pre-production Meeting	Hardcopy	1
Warranty Documents	Pre-production meeting.	Electronic	1
Training – 100 instructor hours per contract year	Hours accumulate until used or otherwise expensed by the city.		100 hours
Pre-production meeting minutes	15 Calendar Days after each meeting	Electronic	2 originals
Recommended spare parts list	With pilot bus	Electronic	1

Part number index	With pilot bus	Electronic	1
Striping layout	30 Calendar Days prior to pilot bus	Hardcopy	1
Resolution of issues "subject to City approval"	30 Calendar Days prior to pilot bus	Hardcopy	1
Preliminary Parts & Service Manual, for first of each model (40 ft. and 60 ft.)	With pilot bus	Electronic	1
All OEM manuals (including but not limited to engine, transmission, passenger seating, HVAC, wiring/harness connectors, etc.)	With pilot bus	Hardcopy Electronic	3 1
Complete Engineering Bill of Material.	With pilot bus	Electronic	1
List of OEM electrical connectors (pins, seals, locks, etc.	With pilot bus	Electronic	1
Preliminary Electrical and air schematics	With pilot bus	Electronic	1
Glazing drawings/spec for all window glass on the bus	With pilot bus	Electronic	1
Current index file displaying all Part Numbers, description, manual location, Build #.	With pilot bus	Electronic	1
Engine Emissions Certificate — NOx levels	With pilot bus	Hardcopy	1
List of serialized units installed on each bus	With each bus	Electronic	1 per bus
QA manufacturing certificate	With each bus	Hardcopy	1 per bus
Pre-Delivery Bus Documentation Package	With each delivered bus	Hardcopy	1 per bus
Motor Vehicle Pollution Requirements Certificate	With each bus	Hardcopy	1
Operator's incident reports when there is an incident during transportation of the vehicle.	With each bus if there is an incident.	Electronic	
Title documentation	With each bus	Hardcopy	1 per bus

As-built drawings	Within 60 Calendar Days after final bus delivery	Electronic Media	1
Final Manuals - current service manual(s) to include preventative maintenance procedures, diagnostic procedures or troubleshooting guides and major component service manuals, current parts manual(s) including component parts, and standard operator's manual(s),	90 Calendar Days after pilot bus	Hardcopy Electronic	7per build 1
Final electronic and air schematics in 11 x 17 3-hole plastic paper.		Hardcopy Electronic	6 per build 1
All electronic software	To be held in escrow	Electronic	1 Each
Bus Supplier / OEM Part Number Cross-reference, including OEM identification and contact information	90 Calendar Days after pilot bus	Electronic	1 Each
All full versions of diagnostic and programming software, licenses and necessary patch cables and associated hardware for all vehicle sub-systems	90 Calendar Days after pilot bus	Hardcopy Electronic Patch cable	1 10 per build 10

- Revise: D20.5 (a) to read: The Contractor warrants the emission control system for five (5) years or **160,000** kilometres, whichever comes first. The ECS shall include, but is not limited to, the following components:
- Revise: D20.10 (a) to read: The Contractor shall pass on to the City any warranty offered by a component Supplier that is superior to that required herein. The Contractor shall provide a list to the City noting the conditions and limitations of the Superior Warranty not later than the start of production. **The list of all superior warrant components must identify if the superior warranty is administrated by the Contractor or component supplier.**
- Revise: D20.22(d) to read: The Contractor will either supply all materials necessary to perform the warranty repair or reimburse to the City, the full costs of parts and materials supplied by the City within 30 Calendar Days of use **through the approved warranty processes**; and
- Add: D2.2 (d) Price adjustments related to changes in legislation or regulations will be negotiated, in good faith, between the City and Contractor.

PART E – SPECIFICATIONS

- Revise: E2.43 (f) (ii) to read: The cooler fans shall have integrated controllers. Cooler fans shall be capable of **manual** reverse operations for periodic self-cleaning of the radiator and charge air cooler. Reversing can be terminated with momentary switch. Radiator cooling and Charge Air cooling must operate independently.

- Revise: E2.67 (c)(i) to read: All exposed surfaces and the interior surfaces of tubing and other enclosed members **to the roofline** shall be corrosion resistant through application of a corrosion protection system.
- Revise: E2.93 (a) to read: The bus shall be driven by a heavy-duty axle with a load rating sufficient for the bus loaded to GVWR. The drive axle shall have a design life to operate for not less than **five (5) years or 480,000 kilometres** on the design operating profile without replacement or major repairs. The lubricant drain plug shall be magnetic type. If a planetary gear design is employed, 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.
- Revise: E2.111 (a) to read: The battery terminal ends and cable ends shall be color-coded with red for the primary positive, black for negative and another color for any intermediate voltage cables. Positive and negative battery cables shall not cross each other if at all possible, shall be flexible and shall be sufficiently long to reach the batteries with the tray in the extended position without stretching or pulling on any connection and shall not lie directly on top of the batteries. Except as interrupted by the master battery switch, battery and starter wiring shall be **connected securely** by bolted terminals and shall conform to specification requirements of SAE Standard J1127–Type SGR, SGT, SGX or GXL and SAE Recommended Practice J541, with 2100 strand 4/0 cable or greater.
- Revise: E2.128 (e) (i) to read: The Contractor must supply six (6) Toughbook computers per bus build/tender, including each extension, to be used for diagnostic and programming functions. The computers must be equipped with the latest version of the Windows operating system, integral pointing devices, the largest capacity hard drive available for the computer and a minimum **64GB** RAM memory.
- Revise: E2.154 (a) to read: The operator seat shall be USSC **Q91 three (3) point seatbelt model**.
- Revise: E2.170 (a)(i) to read: The bus shall be equipped Lucerix mirror with a left outside mirror, **8 inches by 15 inches 2/1 split**. The mirrors shall be located so as to provide the operator a view to the rear along the left side of the bus and shall be adjustable both in the horizontal and vertical directions to view the rearward scene. The mirror shall be positioned so that the operator's line of sight is not obstructed.
- Revise: E2.181 (c) to read: When the bus is operated in outside ambient temperatures of 95 to 115 °F, the interior temperature of the bus must maintain **80° F** but shall be permitted to rise 0.5° for each degree of exterior temperature in excess of 95 °F.
- Revise: E2.181 (d) to read: When bus is operated in outside ambient temperatures in the range of -35 to 10 °F, the interior temperature of the bus shall not fall below **55°F** while the bus is running on the design operating profile.
- Revise: E2.284 (d) to read: P.A. system shall consist of an R.E.I. amplifier model #700962, or approved equivalent, Mobilpage microphone #MAC 565 on an Atlas Sound gooseneck assembly #AD11 with 68.58cm (27 inch) overall length mounted in the left front upper corner of the operator's compartment.
- Revise: E2.285 (a) to read: Six interior loudspeakers shall be provided, semi-flush mounted, on alternate sides of the bus passenger compartment, installed with proper phasing. One exterior loud speaker over top of front door. Total impedance seen at the input connecting end shall be **between 4 and 8 Ohms**.
- Revise: E2.291 (a) to read: PRAIRIE MOBILE COMMUNICATION Excaliber **ST321-SF2SUF** low profile, shall be installed with a "P" connector and cable in an approved location by the City. Antenna frequency range to be 413 to 418 Hz. Radio antenna mount provision shall be a minimum 30.48cm X 30.48cm (12 inch x 12 inch) ground plate. The co-axial cable shall be RG58 with AMP-PL259 and 831AP connectors on antenna end and RFU-505 connector on radio end. The antenna coaxial lead-in and fish wire must run inside a protective plastic

conduit from the roof antenna to the street side harness support. The excess coaxial cable and fish wire must be coiled inside the radio lock box. Minimum 6 inch coaxial cable coiled up at the antenna end. Radio Power Supply wiring shall be One (1) #6 red and one (1) # 6 black SXL type, wires must be continuous without splices or connectors between battery box and the radio lock box. These wires must be protected on both ends to prevent accidental shorting.

- Add: E2.258 (b) Entrance door must be "Vapor" slide glide.
- Add: E2.259 (b) Rear doors must be "Vapor" slide glide, touch bar controlled. Touch bars must be solid state electronic vertical handles, powder coated yellow.
- Delete: E2.110 (b) Different Size Terminal Ends.
- Delete: E2.110 (b)(i) Positive (1/2") and negative (3/8") terminal ends shall be different sizes.
- Delete: E2.268 (e) Doors that employ a "swing" or pantograph geometry and/or are closed by a return spring or counterweight-type device shall be equipped with a positive mechanical holding device that automatically engages and prevents the actuation mechanism from being back-driven from the fully closed position. The holding device shall be overcome only when the operator's door control is moved to an "Exit Door Enable" position and the vehicle is at 0 km/h, or in the event of actuation of the emergency door release.