



## 901-2011 ADDENDUM 4

### DESIGN-BUILD OF TRANSIT BUS PARKING AND SERVICING GARAGE

#### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE REQUEST FOR PROPOSAL**

ISSUED: January 30, 2012  
BY: Dave Krahn, P.Eng.  
TELEPHONE NO. (204) 453-2301

**THIS ADDENDUM SHALL BE INCORPORATED INTO THE REQUEST FOR PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

Template Version: Ar20070420

---

**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Proposal may render your Proposal non-responsive.**

---

Clarification of Addendum 4: Various purposes, including correction to ventilation capacity, fibre optic cable connection to City system, card access system to building, emergency generator loads, and further UPS details.

#### **PART E – SPECIFICATIONS**

Replace: E18.2 Refer to the suggested Space Function Relationship Diagram in Appendix E.

Space Reference Number and Name	Approx. Square Feet
A-1.1(R2) Bus Service Bays (approximately 295 x 25)	7,375
A-2.1(R1) Main Garage (approximately 135 x 715)	96,525
A-2.2(R1) Bus Parking Assignment Kiosk	40
A-3.1(R2) Vehicle Inspection/Repair (approximately 280 x 20)	5,600
A-4.1(R1) Storage	2,700
A-5.1(R1) M&E Room	1,000
A-6.1(R1) Service Lunchroom	500
A-6.2(R1) Large Locker Room	300
A-6.3(R1) Small Locker Room	200
A-7.1(R2) Multi-use Space	1,500
A-7.2(R1) Large Change Room	500
A-7.3(R1) Small Change Room	300
A-8.1(R1) Dispatch Office/Drivers Waiting Area	2,000

E-1.1 Tank Farm (exterior space, 3,625 sf)	
Subtotal	118,540
Net to Gross Factor 15%	17,781
Total Estimate Interior Space	136,321

Replace: E18.2 (Replace the following Room Data Sheets).

A-7.1(R1) with A-7.1(R2)

Delete: E24.4.12(a)(i)

Revise: E24.9.5

Ventilation Capacity shall be 1.5 times minimum required **for the Main Garage (A-2.1) and the Bus Service Bays (A-1.1).**

Add: E24.9.5(b)

**Provide multi-equipment, multi-stage, multi-speed, or other similar control strategy to allow for reduced air volumes when full volume is not required.**

Revise: E24.10.11(m)

Ventilation Capacity shall be 1.5 times minimum required **for the Main Garage (A-2.1) and the Bus Service Bays (A-1.1).**

Add: E24.10.11(m)(ii)

**Provide multi-equipment, multi-stage, multi-speed, or other similar control strategy to allow for reduced air volumes when full volume is not required.**

Revise: E25.5.8 Emergency Generator

- (a) Provide separate pricing for emergency generator.
- (b) The emergency generator shall be capable of handling all required life safety equipment loads and non - essential loads as required by the City:
  - (i) Bus Dispatcher's Office including lighting and all office equipment.
  - ~~(ii) All Garage Door Operators.~~
  - (iii) UPS Loads.
  - (iv) Mechanical equipment vital to maintain normal operation of the facility.
    - ◆ Exhaust Fans – Main Garage
    - ◆ Make Up air Unit – Main Garage
    - ◆ Diesel Fuel Tanks – Tank Farm
  - (v) 50% of the lights in the Parking Garage area.
  - (vi) Lighting levels in all remaining areas of the building as per National Building Code (latest revision).
- (c) Provide separate auto transfer switches for each fire pump (where applicable), life safety system, non-life safety system.
- (d) The emergency set design and installation shall be conforming to classification and specification of CSA-C282-09 standard (Emergency Electrical Power Supply for Buildings) and CEC section 46.

Replace: E25.5.22 Uninterrupted Power Supply System (UPS)

- (a) Provide 40 kVA UPS c/w internal bypass switch to service all IT equipment in the facility.
- (b) Connect UPS to dedicated electrical panel to supply all IT loads at all times.
- (c) Connect equipment to dedicated UPS panel as follows:
  - (i) Dispatch office – computers, printers, terminals, etc.
  - (ii) All network equipment throughout the facility (Hardwired and WiFi).

Replace: E25.5.24 Card Access System – **Rough In**

- (a) Provide rough in for card access at all personnel doors. Include conduits and pull cords from central panel to all card access points and door strikes.

Revise: E25.5.26(d)

- (b) New building to be connected both to 421 Osborne Building A (basement datacenter) and to the communications pedestal at the Transit Corridor Ft. Rouge Station using Single Mode Fibre Optic Cable. Contractor to determine most appropriate routing, however the following information should be noted:
  - (i) The City will allow the cable to be pulled through the existing 50 mm conduit installed along the rapid transit corridor to both the Ft. Rouge Station and Building A.**
  - (ii) The communications pedestal at the Ft. Rouge Station is located on the west side of the corridor on the north side of the shelter.**
  - (iii) The location of where the existing conduit along the corridor enters Building A may also be used as the entrance point for the cable.**
  - (iv) Provide 1.5 m service coil at the communication pedestal.**

Add: E25.5.26(i)(x)

- (i) Provide 5 m service coil at the end of each cable to allow for minor relocation of network racks and/or enclosures.**

Add: E25.5.26(j)(xi)

- (i) Provide 5 m service coil at the end of each cable to allow for minor relocation of network racks and/or enclosures.**

Page numbering may be changed as a result.

**A-7.1(R4R2) (Addendum 4)**  
**ROOM DATA SHEET**  
Preliminary Programming

Space Ref No.	Space Name	No. of Units	Approx.Net Area	Net Total	Location / Adjac
A-7.1(R4R2)	Multi-use Space	1	1,500 s.f.	1	LRC side/A-2.1, 7.2,7.3
<b>Activity Description</b> Provide space for all transit staff to exercise and attend fitness classes		<b>Acoustic Treatment</b> Sound Iso. <u>High</u> DBA <u>N/A</u> Sound Ins. <u>High</u> Rev. Time <u>N/A</u>		<b>Occupancy / Loading Standards</b> Up to 10 individuals using fitness equipment or 30 individuals taking fitness classes	
<b>Access</b> Unrestricted		<b>Security</b>		<b>Flexibility</b> Single purpose space	
<b>Structure</b> Height <u>10</u> ft or m. Clear Span <u>N/A</u> Floor Loading <u>100</u> psf Spec. Req.		<b>Environment</b> Heating Temp. <u>20c</u> View Out Ext. <u>Yes</u> Humidity <u>Std</u> View Out Int. <u>No</u> View In <u>Yes</u> Spec. Req: Temperature Control		<b>Equipment</b> Cushioned aerobic sports flooring, mirrors on two walls, <b>vending machine for juices.</b>	
<b>Electrical Services</b> Power <u>Yes</u> TV <u>Yes</u> Comp <u>Yes</u> AV <u>No</u> Tel <u>Yes</u> PA <u>Yes</u> CCTV <u>Yes</u> Wireless <u>Yes</u> Other 4 duplex outlets along front window c/w coaxial (tv) cabling		<b>Illumination</b> Ft. Candles <u>Std</u> Daylight <u>Yes</u> Flour. <u>Yes</u> Quartz <u>No</u> Incand. <u>No</u> Special <u>No</u> Other		<b>Room Finishes</b> Floor: sports floor (above) Walls: sheet drywall (painted) Ceiling: acoustic tile	
<b>Mechanical Services</b> Hot W. <u>No</u> Cold W. <u>Yes</u> Drain <u>Fountain only</u> Exhaust <u>High air exchange</u> Air <u>Std</u> Other Drinking Fountain water bottle spigot, ventilated stereo shelf <b>Mechanical cooling required.</b> <b>Cooling Temp. 25c.</b>		<b>Comments</b> Bottom of windows at 4' above ff. Vertical blinds on windows. Space should have direct access to exterior. Recessed, vented and lockable stereo recess. 4 recessed ceiling mounted speakers wired back to stereo recess. Shelf for pre-moistened equipment wipes. <b>Designated area with power for vending machine for juices.</b>			