



NOTICE OF ADDENDUM

Addendum No.: 4

Addendum Issue Date: Tuesday, June 25, 2024

Procurement No.: PRC004391

Procurement Name: Construction Services for Fire Station 123

Revised Closing Date: Thursday, July 9, 2024 2:00 PM

The additions, deletions, revisions and/or clarifications as hereinafter specified shall form an integral part of the bid document and shall be read in conjunction with the requirements set forth in the bid request document.

MODIFICATIONS

Revision No. 1

The closing date has been extended to Tuesday, July 9th, 2024 @ 2:00pm.

Revision No. 2

The Q&A period has been extended to Tuesday, July 2nd, 2024 @ 12:00pm.

Revision No. 3

The following Appendices have been added:

11_Appendix_J_Architectural_Add-Arch Addendum No 1_Addendum 4

12_Appendix_K_Electrical_ADD-Electrical02 - 2024-06-24_Addendum 4

13_Appendix_L_Mechanical_ADD-Mechanical02 - 2024-06-17_Addendum 4

14_Appendix_M__Civil-Updates_Addendum 4

Revision No. 4

1. Refer to Drawing C-01 Site Grading Plan
Delete tendered drawing entirety with Drawing C-01 Site Grading Plan issued as part of this addendum.
2. Refer to Drawing C-02 Site Servicing Plan
Delete tendered drawing entirety with Drawing C-01 Site Grading Plan issued as part of this addendum.
3. Refer to Drawing C-03 Cross Sections
Delete tendered drawing entirety with Drawing C-03 Cross Sections issued as part of this addendum.
4. Refer to Drawing C-04 Erosion and Sediment Control Plan
Delete tendered drawing entirety with Drawing C-04 Erosion and Sediment Control Plan issued as part of this addendum.
5. Refer to Drawing C-05 General Notes and Standard Details
Delete tendered drawing entirety with Drawing C-05 General Notes and Standard Details issued as part of this addendum.

QUESTIONS & ANSWERS

Question 1:

Can you please provide specification section for Aluminum Screens and Curtain Wall?

Answer 1:

Basis of Design are noted on drawing A07.00 Interior & Exterior Glazing & Louvres Elevations.

Question 2:

Can you please provide top of footing elevations for the foundation plans?

Answer 2:

Refer to Notes 2.3 on S-201 Foundation & Level 1 Plan for top of footing elevations for foundation plans.

Question 3:

Section 5.2.2 of the geotechnical reports instructs to remove all existing fill for the building foundations. Is it required to remove all existing fill for the floor slab also, or only to strip the existing topsoil for the floor slab construction? Please clarify.

Answer 3:

All existing fill must be removed from underneath the proposed footing areas, the footings should be placed on native undisturbed soils or engineered fill as outlined in Section 5.2.2 of the Geotechnical Report.

For the slab-on-grade construction, the following procedures to be followed:

In order to minimize the risk of settlement below the slab on grade, all existing fill material to be removed. The subgrade should be prepared as per Section 5.1 of the Geotechnical Report. The area can then be brought up to design subgrade level with approved on-site or imported material compacted to at least 98% of the Standard Proctor Maximum Dry Density (SPMDD). All imported fill material from local sources should be free from organic material and foreign objects (i.e., trees, roots, debris, etc.,) and should be approved by G2S prior to transport to the Site. The chemical quality of the imported fill material should be assessed by G2S in accordance with the current applicable local and provincial regulations and guidelines. Imported granular fill is preferred due to its relative insensitivity to weather conditions, its relative ease in achieving the required degree of compaction, and quick response to applied

stresses. All aspects of the backfilling operation including final excavation, material selection, placement, and compaction must be carried out under the supervision of a geotechnical engineer. In-situ density (compaction) testing is required during construction on a full-time basis

Question 4:

1. Please confirm that unshrinkable fill is to be used in the roadway only within the municipal ROW and excavated material can be used within the boulevards and sidewalks.

Answer 4:

Trench backfilling utilizing unshrinkable fill may be used beneath roadways. Unshrinkable fill to extend from the top of utility bedding and cover to the bottom of the base material.

The placement of unshrinkable fill should not extend beyond the sub-grade level. Unshrinkable fill shall meet all requirements of OPSS 1359 and be carried out in accordance with the City of Mississauga standards and guidelines.

The majority of the excavated material will consist of the native clayey silt/silty clay till or silty sand/sandy silt till. This material, apart from any organic, debris, or otherwise any deleterious material, is considered to be suitable for use as general backfill material in utility trenches and boulevard as well as engineered fill provided that the moisture content can be controlled to within 3 percent of the standard Proctor optimum value. Some moisture content conditioning of the excavated material may be required, depending upon the weather conditions experienced at the time of construction to achieve acceptable compaction densities and minimize long-term settlements. The construction of the curbs & gutters and sidewalks shall be in accordance with the City of Mississauga standards and guidelines.

Question 5:

Please provide specifications for 08 41 00 - Aluminum Framed Glazing Systems

Answer 5:

Basis of Design are noted on drawing A07.00 Interior & Exterior Glazing & Louvres Elevations.

Question 6:

Is there any long lead time items that have been pre purchased.
350kw generator, distribution panels.
(2) Solar Panels - who supplies ?

Answer 6:

No items are pre-purchased. Full scope of Solar Panels are under the Scope of the project.

Question 7:

I would really appreciate answering some questions I have about the doors for this project New Fire Station 123, 3050 The Collegeway, Mississauga

1, the door schedule includes the door type (Aluminum, HM, Metal, and SWC), Can I know what is SWC? I couldn't find it in the abbreviation.

2, in the specifications, there are other types of doors such as Sectional Overhead Metal Doors and Flush Wood Doors, but they are not in the door schedule.

3. regarding the Automatic Door Opener, can I know how many of them are needed? There are 10 ADOs in the door schedule and 18 in the drawings.

Answer 7:

SWC indicates Solid Wood Core, Schedule was revised to note FWD (Flush Wood Door) to correspond with the Flush Wood Door specifications.

Overhead Metal Doors are one of the items listed on the Bid Form as an alternative.

Regarding Automatic Door Opener, provide QTY as required for full operations.

Question 8:

Please provide a copy of the Stormwater Management Plan.

Answer 8:

Copy of Stormwater Management Plan is attached to this addendum.

Question 9:

The Road Occupancy Permit for work within the ROW is not indicated in the allowances. Please confirm if this is contractor's cost. Please also clarify scope. The last ROP we took out with the City of Mississauga required that we reinstate road, curb & sidewalk to match existing but this is only considered a temporary measure. The ROP required we additionally pay a \$35,000 "Maintenance Restoration Deposit". After 2 years the City removes the restoration we installed and redoes it all themselves and charges the cost back to this deposit. Please confirm that is still the City policy and who is paying the deposit (& subsequent final restoration costs).

Answer 9:

As noted under section 01 10 00 General Instructions 1.6 Permits, Deposits and Responsibilities, the General Contractor is required to apply and pay for all required permits needed for the execution of the Work.

Question 10:

Please provide details for 10 14 19 Signage Items

Answer 10:

Signage details are provided on A04.00 – Exterior Elevations. These are cash allowance items in accordance with 01 21 13 – 1.1.21.11.

Question 11:

On A03.11, there is a 'squiggly' line shown but I can't find anything in the legend for it stands for, is this drapery?

Answer 11:

Item in question are curtains for each private dormitory space. General contractor shall provide 8 curtain rods.

Question 12:

The drawings and spec. call for sun control and blackout fabric (double system shades), however, the spec. only gives the sun control spec. being 3% open.....it does not give a spec. for the blackout fabric. Please provide me with a blackout fabric spec

Answer 12:

Refer to revised specifications 12 24 13 - Roller Window Shades.

Question 13:

Re: Hollow Metal Doors – 08 13 13

1) There is indication of Medium and Heavy Duty doors which carry different gauges, this is not indicated on door schedule, please advise which are Heavy and which are Medium Duty.

Answer 13:

All hollow metal doors shall be provided as Heavy Duty.

Question 14:

Please explain following terms from hardware schedule:

- D Handle
- Door contact
- Rex
- Transition strip (what is the difference from Threshold ?)

Answer 14:

- D Handle – D Handle are the D-Pull type handles as noted as DP1 – D-Pull on A10.00 Door & Frame Types & Schedule.
- Door contact - are sensors that let a system know whether a door is opened or closed

- Rex – Request to exit device.
- Transition strip (what is the difference from Threshold ?) – transition strip internal to building between different materials.

Question 15:

Please confirm that all details on structural drawings shall be used for frost slabs and approach slabs versus any found-on landscape or civil drawings.

Answer 15:

Details for the frost slab and approach slabs shall be executed as noted by architectural and structural details.

Question 16:

Re: Corner Guards – 10 26 13

- 1) Please advise location/requirements for the Corner Guards not found.

Answer 16:

Refer to re-issued drawing A03.13 Level 01 – FFE Plan for locations.

Question 17:

Re: Visual Display Units

- 1) For items WBTB and WBTB-2, please advise the configuration of the units for WB and TB. Is it half WB and half TB ?

Answer 17:

Refer to millwork elevations for size requirements.

Question 18:

Section 08 41 00-Aluminum Framed Glazing Systems is missing from the spec book.
Please provide

Answer 18:

Basis of Design are noted on drawing A07.00 Interior & Exterior Glazing & Louvres Elevations.

Question 19:

Good afternoon,

I am looking for clarification on detail 10 on S/500. It shows a wall stepping in from a 300 to a 200 with a waterstop between the 200 and 300. My question is, where does this detail apply to? I cannot for the life of me find it on the foundation plan.

Answer 19:

Refer to drawing S-201 Foundation & Level 1 Plan plan detail 3. This section detail 10 on S/500 refers to the garbage enclosure.

Question 20:

We would like to resubmit our request to extend the closing date by 2 weeks. We are not receiving positive feedback from subcontractors as several people take this week as vacation (suppliers, distributors, subs, etc...)

Answer 20:

The closing date has been extended to Tuesday, July 9th, 2024 @ 2:00pm.

Question 21:

As discussed, below please find rephased RFIs below. Reminder Dyson Electric will exclude all structural and civil works in tender quotation.

1. Single line E-601 indicated PV system weatherproof transformer 'TX-PV' to be located on roof, but drawing E-401 indicated it's located in main electrical room. Please confirm

location and requirement. Are 'TX-PV' and 'DP-PV' part of PV system to be provided by photovoltaic contractor?

2. Ref spec 11 11 36, confirm electrical scope related to level 2 EV chargers. (Rough-in only?)

3. Ref drawing E-601, E504/3, and E-101, provide detailed electrical scope of works related to Fire Truck EV charging station EVPC-1&2 and EVDP-1&2. (Rough-in only to future EVPC-1 location?)

4. Ref spec div. 27, confirm electrical scope of works for Public Address and security systems. (Empty conduits only?)

5. Ref addendum E1, confirm electrical scope of works related to fire station alerting system and Traffic pre-emption systems. (Empty conduits only?)

6. Ref spec 27 05 13.01, confirm Bell Canada scope of works related to electrical. Is structured cabling part of electrical scope of works?

7. Ref drawing E-503/4, drawing indicated transformer stand(s) located in mechanical room and main electrical room. Please note the platforms shall be part of structural' s scope of works and designed accordingly consider seismic requirement

8. Can you please confirm if comms is under cash allowance? Pg.381/Vol 1.

Herman Leung

DYSON ELECTRIC 21

T: 905-738-6711x203

Answer 21:

1. Drawing E-601 - Strike out "on roof" for TX-PV. This transformer is to be located on the ground floor in the main electrical room. The roof has been designed to support future EVPC-1, future EVPC-2, and future transformers TX-EVPC-1 and TX-EVPC-2 if required (specific to the EV Fire Truck charger's requirements if the charger does not support a 600 volt native input).
2. Contract is for supply and install of four Level 2 chargers, denoted on the plans as EVSE-2.1, EVSE-2.2, EVSE-2.3, and EVSE-2.4. Per addendum, we have tags

- "EVSE-2.3" and "EVSE-2.4" to drawing E-002, and single line diagram has been revised to show feeds to EVSE-2.1, 2.2, 2.3 and 2.4 as in scope of contract.
3. Level 3 Fire Truck EV charging stations are power provisions only. No conduit or wire is included as the City of Mississauga has not chosen the equipment for these charging stations, and are currently not in the scope of this contract. As the units have not been selected, and there are rough-in variations between manufacturers, there is not enough information to provide exact rough-in requirements.
On Single Line Diagram E-601, the two breakers (in scope) feeding the future EV chargers are to be changed from 250A/3P LSI to 300A/LSI breakers c/w a changeable trip unit that can be dialled down from 300A to suit the Fire Truck EV charger.
 4. For Public Address system, provide conduit rough-in for this system. Cabling for this system is by Kelcom.
Access control and intrusion detection: Pathways only. Cabling and equipment for this system by the City of Mississauga.
Video Surveillance: All cabling for this system (i.e. Data cabling to CCTV cameras) is in the scope of this contract.
 5. Fire Station Alerting (Mach Alert) - Refer to Section 27 35 19.13 - Fire Station Call Status and Management Displays.
Traffic Pre-Emption System - Supply and install all components of this system located in the fire station. Refer to Section 34 41 13.13 - Traffic System Pre-Emption Equipment that was issued in a previous addendum.
 6. Structured cabling is part of this project, and is as described in Section 27 10 00.
 7. The contractor is to retain a licensed structural engineer and provide drawings based on the weights and dimensions of as-procured transformers. Refer to Section 26 05 29, article 1.3.
 8. Telcommunications is NOT part of the cash allowance.

Question 22:

1. Could you please confirm that the equipment on the SLD that is noted as future work is not to be quoted.
2. If it is all future work what am I doing with all the cables and conduits running the equipment?
3. Coil for future install or install in junction boxes

Answer 22:

1. Refer to updated single line diagram that is attached to this addendum
2. Question is not clear. If the question is with regards to the single line diagram, work denoted as "future" is not in the scope of this contract.

This Addendum is issued by the City of Mississauga and is in effect as of the Addendum Issue Date.

Daniel Jagdeo
Procurement Services, City of Mississauga

End of Addendum