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Addendum # 10

Dated: October 16, 2024

Bid Opportunity: T-24-33 - General Contractor for the Construction of a Helicopter Hangar and Related Interior and Exterior Spaces in the Town of East Gwillimbury, Ontario

Closing Date: Tuesday, October 22, 2024 2:00 PM

All Bidders are advised by this addendum to incorporate the following changes/or clarifications to the above noted Document.

1. Intent:

- a. This Addendum is issued during Bidding and shall form part of Bidding and Contract Documents for above Project.
- b. Except as otherwise specified herein, or as shown on accompanying Drawings and Sketches, work required by this Addendum shall be in accordance with specifications dated September 9, 2024, and Drawings accompanying same and previously issued Addendum (if any).
- c. To maintain traceability of questions, the numbering remains consistent with the sequence assigned in previous addendum(s). For clarity and brevity, any question numbers missing from this addendum have been addressed in prior addendum(s) and are omitted.

2. Extension of Closing Time

Closing Time has been extended on the Bidding System from 2:00:00 p.m. local time, on Thursday, October 17, 2024 to 2:00:00 p.m. local time, on Tuesday, October 22, 2024.

3. Drawing Revisions:

1.1 ARCHITECTURAL

- .1 Drawing A-002**
 - .1 Bollards added to site plan.
- .2 Drawing A-115**
 - .1 Sprinklers added to RCP.
- .3 Specification Section 03 35 00**
 - .1 Changes indicated in red.
- .4 Specification Section 06 40 00**

.1 Changes indicated in red.

.5 Specifications Section 07 92 00

.1 Changes indicated in red.

.6 Specifications Section 08 62 00

.1 Changes indicated in red.

.7 Specifications Section 08 80 00

.1 Changes indicated in red.

1.2 MECHANICAL

.1 Drawing M-100

.1 Generator set gas line and accessories added.

.2 Drawing M-250

.1 Revised drainage layout.

.3 Drawing M-251

.1 Additional compressor piping information.

.2 Revised DHWT.

.4 Drawing M-351

.1 Revised duct layout.

.2 EF-3 motorized damper added.

.3 Thermostat added to boiler room.

.5 Drawing M-704

.1 Utility -fed emergency generator gas regulator station detail added.

.6 Drawing M-801

.1 Water meter assembly added.

.7 Drawing M-806

.1 Laundry dryer exhaust detail added.

.8 Drawing M-808

.1 Laundry box detail added.

.9 Drawing M-810

.1 Sheet added.

.10 Drawing M-900

.1 Update to equipment schedules.

.11 Drawing M-901

.1 Update to equipment schedules.

.12 Drawing M-902

.1 Toilet carrier added/

.13 Drawing M-903

.1 Eyewash and shower floor drain added.

.14 Drawing M-904

- .1 Sheet added.
- .15 Specification Section 22 15 00**
 - .1 Changes indicated by legal blackline.
- .16 Specification Section 23 83 17**
 - .1 Changes indicated by legal blackline.
- 1.3 ELECTRICAL**
 - .1 Drawing E-100**
 - .1 Updated note indicating spare conduit between Training Facility up to the manhole south of the roadway.
 - .2 Drawing E-300**
 - .1 Additional panel added to Mechanical/Electrical Room 122.
 - .2 Conduit paths shown into the building.
 - .3 Drawing E-301**
 - .1 Update to roof power systems.
 - .4 Drawing E-700**
 - .1 Update to ground riser diagram.
 - .2 Update to cable schedule.
 - .3 Update to single line diagram.
 - .5 Drawing E-802**
 - .1 Updated dimensions to generator plan.
 - .6 Drawing E-901**
 - .1 New DP-03 added and reallocated loads to optimize conduit run lengths.
 - .2 Circuits were rebalanced and revised resulting in different circuit numbers for loads on all sheets. New equipment is shown clouded.
 - .7 Specification Section 00 01 10**
 - .1 Changes indicated by legal blackline.
 - .8 Specification Section 26 27 13**
 - .1 Section added.

4. Revisions to Amendments to CCDC2 Stipulated Price Contract 2020

Question 123:

I am writing to request clarification regarding the provision of power and water sources as outlined in SC 13 of Appendix C – Supplementary condition. What specific power and water sources will the Contractor be required to provide if YRP-supplied services are insufficient or unavailable.

Answer 123: Water will be available from the new yard hydrant once installed on site. Similarly power will be available once the electrical service is extended and connected from the Training Centre to a temporary main breaker and distribution panel at the Hangar. Until these are in place, the Contractor will be required to provide temporary power and water as required.

Question 125:

Please confirm if the site access road is from the south via Garfield Wright Blvd.

Answer 125: A response will be provided in a subsequent addendum.

Question 226:

The specification mentions: Vodaland Pro200FC channel with galv steel edge and class E ductile iron grating. We normally use load class F load rating for Hanger application due to surrounding vibrations and load intake of Helicopters or any heavy-duty vehicles passing over. Class E is normally applicable for EMS stations and Fire stations. In addition the specification has galvanized steel edge rail which has weaker resistance compared to actual cast iron that match's material of grating. We recommend using ductile iron edge rails with class F load for Hanger application.

Answer 226: Refer to drawing M-251 (addendum 10) for model number. Class D is acceptable. Refer to response 332 below.

Question 271:

What size are the water meter and backflow preventer?

Answer 271: The water meter and backflow preventer are to be sized at 3".

Question 283:

Addendum #6 issued a Gas Meter Assembly on drawing M-704, please clarify the connection points of the mech. contractor, and indicate the type of the devices/valves on the assembly.

Answer 283 Refer detail 3 on drawing M-704 issued as part of Addendum 10.

Question 297:

Just going through the addendums, and they have added in an air compressor, but have not provided any details on it. Can we get some more information about the air compressor?

Answer 297: Refer to Addendum 6, M-903, Detail 2 and Addendum 8, specification 22 15 00, item 2.6. Refer to specification section 22 15 00 issued as part of Addendum 10.

Question 299:

May I know whether the helicopter pad and parking pad in the exterior require trap rock hardener and concrete cure and seal?

Answer 299: The helicopter pad and helicopter parking area are to receive a dry shake quartz hardener with a Class 5 broom finish oriented with the slope. Refer specification section 03 35 00 issued as part of Addendum 10.

Question 302:

Could you please provide the shower drain specification?

Answer 302: Refer detail 5 on drawing M-903 issued as part of Addendum 10.

Question 308:

Please revise Unit Price to show both: Add on Price, and Delete Price, as they are different.

Answer 308: Alternative Prices – Unit Prices within the Schedule of Prices has been revised to as requested above.

Question 311:

Addendum 6, Q83, specifying the control contractors for this project. Please confirm if BGIS ITS (formerly Airon HVAC & Control), providing Honeywell WEBs and Niagara Tridium N4 software platform, is an acceptable controls subcontractor for this job.

Answer 311: BGIS ITS is acceptable.

Question 312:

Clarify if the 4-way valve for the snow melt system is supplied with the package or by BAS.

Answer 312: 4-way valve is to be supplied as part of snow melting system – section 23 83 17.

Question 313:

Provide the control SOP for EF-3.

Answer 313: The control diagram is based on detail 1 in Drawing M-752. This fan is only for Ventilation and will function based on temperature as requested.

Question 316:

Answer 260 in addendum 8 states the emergency eyewash & shower have been specified in specifications (section 22 42 00). There is no fixture specifications listed in section 22 42 00, just manufacturers, no makes, or models (not reissued in any previous addendums either). The fixture is not even shown on the mechanical drawings. Please advise.

Answer 316: Refer detail 4 on drawing M-903 issued as part of Addendum 10.

Question 317:

Please advise the make and model of air outlets for the compressed air system.

Answer 317: Refer Answer 297 and spec section 22 15 00 –General Service Compressed Air System for Information Compressed Air Equipment.

Question 318:

Bi-Fold Hangar Door Suppliers are trying to figure out the classification for the motor.

It mentions UL 1203, however the Schweiss rep indicated their control boxes are rated for the following, please advise:

- Class I, Div 1, group D
- Class I, Div 1, group CD
- Class II, Div 1, group EFG
- Class II, Div 1, group FG

One of the addendum questions touched on it a bit, but didn't clarify. Is the rest of the electrical going to be "explosion proof"?

Answer 318: The motor will be installed on the bi-fold door above 450mm AFF (satisfies OESC 20-402.2). The motor travels vertically (upon door open/close) and at no times will come within 1.5m of the helicopter (OESC 20-402.3). For these two reasons, the motor installation is not required to be hazardous location rated.

Question 320:

Please provide detail for the Garbage storage concrete paving and sidewalks such as thickness and concrete type, reinforcement etc.

Answer 320: Refer Civil drawing C-402 for concrete sidewalks (note 5 - Roads, Driveways and Parking Areas). This includes concrete sidewalk along north side of Hangar.

For the hatched heated concrete areas on drawing A-002 (FATO, Apron and Helicopter Parking) follow detail S2/S099.

Question 323:

Clause 11.2.3. of the CCDC2-2020 Prime Contract states that insurance policies be endorsed to provide the Owner and the York region with 30-days notice in advance of any cancellation, change or amendment which restricts coverage.

Question: Please confirm the following wording "Insurer will endeavor to provide 30 days' notice to the Owner and York Region in advance of any cancellation, change or amendment which restricts coverage" which is consistent with common insurance practice in the industry is acceptable.

Answer 323: The Board will accept the revision as noted above to: "Insurer will endeavor to provide 30 days' notice to the Owner and York Region in advance of any cancellation, change or amendment which restricts coverage."

Question 326:

We are being told by suppliers that the square style jellyfish shown on the latest addendum (changed from a circular JF 4 in original plans) is not available. Can we please request clarification on the correct model specific jellyfish the consultant would like used here.

Answer 326: A response will be provided in a subsequent addendum.

Question 327:

Regarding addendum 6, Q83, specifying the control contractors for this project. Please confirm if BGIS ITS (formerly Airon HVAC & Control), providing Honeywell WEBs and Niagara Tridium N4 software platform, is an acceptable controls subcontractor for this job

Answer 327: Refer to Answer 311.

Question 330:

We are looking to clarify and align the understanding of the project schedule with the number of working days for the project. As noted in Addendum 8, stamped pre-engineering drawings are required for AHJ review, which will result in the issuance of a permit. We seek to confirm the expectation that, since these documents are necessary for permit submission and the permit issuance is still pending, the actual "Commencement Date" of the project should not be provided to the General Contractor before the permit is issued. To reiterate, stamped Pre-Eng shop drawings will be available in approximately 5 – 6 weeks after a signed contract with COMSTEEL. The submission of the drawing set to the AHJ will be at the responsibility of the Consultant/ Owner.

Answer 330: The consultant is responsible for providing all required submissions to the East Gwillimbury Building Department and will submit the stamped shop drawings for both the sprinkler and pre-engineered building shop drawings when received and approved by the Consultant.

As identified in Answer 67 in Addendum 9, YRP will issue a notice to commence the Work following issuance of a building permit which allows at least phased

construction to commence. It is expected that the Contractor will award a contract to the pre-engineered building subcontractor immediately upon Contract Award to ensure commencement of the final design and stamped shop drawings for the pre-engineered building.

Question 331:

Please confirm the snow melting system comes as a package including BACnet compatible controller, transformer, valves, etc.

Answer 331: No, it is not available as a package.

Question 332:

The Trench drain specification has mention of E load Ductile iron grates, does Hangar application need to be F load rated. Please confirm.

Are ductile iron edge rails with F load slotted ductile iron grates acceptable?

Are alternates acceptable for Trench drain scope?

Answer 332:

No, Hangar does not require Load Class F rating (202,320 lbs per foot) for trench drain grating.

Yes, ductile iron edge rails with F load slotted ductile iron grates are acceptable but not required.

Yes, if it meets the design requirements (Extra Heavy Duty, Load Class D, H-20 load Rated) it will be acceptable subject to shop drawing review and approval at the sole discretion of the Consultant.

Question 333:

In Addendum #9 it states that there are drawing revisions, and that Drawing A-115 has sprinklers added, but that drawing is not in the addendum package.

Answer 333: A-115 is included as part of Addendum 10.

Question 334:

I was looking at addendum and as per addendum 5 Question-56, it says underground piping that is noted to be removed can be grouted and capped within road allowance or existing roadway. Can you please let me know where it shows in civil drawings, I have been through all updated drawings till Add 7, but I couldn't find it?

Answer 334: Refer to C-201 issued with Addendum 7 for notes on underground piping to be removed.

Questions 335:

Please confirm if the entrance gates are swing gates or sliding gates. Landscape drawings show sliding gate and civil shows swing gates.

Answer 335: Refer drawing A-002. Gates are to be swing gates as shown.

Questions 336:

Base on feedback we got from electrical subtrades, the lead time of the generator is to be 60 weeks from shop drawing approval which will impact the occupancy by three months. Please advise how LD will apply based on this critical piece of equipment.

Answer 336: A response will be provided in a subsequent addendum

This addendum shall remain attached to and form part of the Contract Document. Your co-operation in making the above noted changes is much appreciated

Regards,



Cam Menna
Procurement Analyst, Purchasing Unit
York Regional Police

cc. File – YRP T-24-33