



Regional Municipality of Durham

Bid Opportunity: T-1038-2019 - Scugog Depot expansion and emergency generator, Scugog

Closing Date: Thursday, October 10, 2019 2:00 PM

Addendum number 2 – October 4, 2019

This addendum will form a part of the bid documents for the above-noted bid and shall be read in conjunction therewith. This addendum will take precedence over all requirements of the original bid documents and any addenda issued previously.

Bidders shall acknowledge receipt of this addendum with their electronic bid submission on the declaration page in the bidding system.

Attachments

The following drawings have been revised as part of this addendum.

1. 02-E01-00-01_Elec Site Plan
2. 02-E10-00-0_Single Line Diagram

The following drawings have been added as part of this addendum.

1. Hydro One Primary Service Upgrade Layout

Drawings

Drawing 02-S40-00-01, delete Pier Schedule.

Drawing 02-M74-00-01, delete sump pump control schematic

Addendum 2

D1 Deliverables

Section 26 32 14 delete article 1.12 Maintenance.

Question 1:

Do you have any approved vendor for Building Security system and BMS system?

Answer 1:

We do not have an approved vendor for the security system. Refer to Question and Answer 17 for BMS requirements.

Question 2:

1. Drawing 02-C10-00-01: Please identify all areas of new asphalt paving and the full makeup assembly of asphalt layer thickness and granular layer thickness. Please provide drawing with hatched area sketched out so we can quantify the exact quantity of asphalt work. The drawing should have boundary so we can also calculate lineal footage of saw cutting, as well as the lineal footage of asphalt lap joint. We also request clarification on the wording as it is not possible to regrade a surface which is existing paved, so the command on the drawing should be calling for removal of existing paving, removal of existing granulars, or reuse of existing granulars, etc. Kindly provide exact scope of work during the tender period.
2. Drawing 02-C10-00-01: Please provide a legend identifying surface material matching the annotation shading on drawing. For example, we see a rectangular shaped pathway traveling along the buried pipe pathway of the CBMH1 and OGS... is this to identify the path of trench through asphalt with new concrete surfacing? We do not know what the shading difference is implying. There is a rectangular square around the 3x Fire Water Tank Access Manholes; so we ask what this represents. If any concrete pads or walkways or paved assemblies of any kind are required, then we should be

Addendum 2

given assembly detail showing depth of concrete, depth of granulars, and reinforcing.

3. No details are provided for the concrete apron. Provide cross section showing full assembly (depth of concrete, extent of reinforcing, any insulation, granular assembly, etc.).
4. Drawing 02-046-00-01 implies a concrete pad is required at the bottom of the 3X fire Water Tank Access Manholes. Please provide a drawing showing the size of concrete pad, thickness of concrete, extent of reinforcing, and extent of granulars below the pad. Kindly add the concrete details on the cross-cut section showing the bottom of pit slab with excavation outreach should be shown (over excavation for proper slope) and the boundary of construction should be identified, including restoration.
5. Drawing 02-M56-00-01 shows the exhaust system. Please clarify specification for a complete vehicle exhaust system by mechanical contractor, and if a manufacturer is prequalified for the complete system.

Answer 2:

1. The area requiring new asphalt are the hatched areas indicated on drawing 02-C10-00-01. Also refer to asphalt hatches and pavement structures defined on drawing 02-C00-00-01, "Heavy Duty Resurfacing" and "Heavy Duty Asphalt Pavement Structure". "Heavy Duty Resurfacing" refers to asphalt removal and replacement, using granular 'A' where needed as base material to meet proposed grades. "Heavy Duty Asphalt Pavement Structure" refers to deep excavations (i.e. Water tanks, sewers and watermains) where the full pavement structure will need to be constructed.
2. Refer to hatch definitions and pavement structures defined on drawing 02-C00-00-01. The only surface concrete is the concrete apron outside the proposed addition garage door.
3. Refer to hatch definitions and pavement structures defined on drawing 02-C00-00-01.

Addendum 2

4. Refer to answer 10 for details regarding concrete pads for water tanks. Granular product below the slab is not required.
5. The system and components have been specified in DWG. NO: 02-M56-00-01. The schedule for the fans is identified on drawing 02-M10-00-01.

Question 3:

We have inquiries from subtrades asking which division of work specification section governs the responsibility for performing the exterior three (3) fire water tanks. Mechanical trades ask if it is a requirement under mechanical specification, and site services ask if it is a requirement under civil specifications. Please clarify for proper entry on the itemized bid form.

Answer 3:

It is the responsibility of the Contractor to distribute the work to their subs as they see fit.

Question 4:

Drawing 02-S40-00-01 provides a pier schedule (example annotations P2, P3) however there does not appear to be a cross reference to the aforementioned piers noted on the Foundation Drawing 02-S10-00-01. Please clarify.

Answer 4:

Pier schedule is not applicable and is to be deleted from the drawing.

Question 5:

Is there a spec for Fire alarm? We need to know the name of existing Fire alarm system. This is urgent

Addendum 2

Answer 5:

The Building does not currently have a fire alarm system.

Question 6:

Do You have any base building BAS contractor?

Answer 6:

The Building does not have a base building controls contractor.

Question 7:

As I review the spec there is a contradiction for the warranty. Can you please clarify. Do You want a maintenance contract for the two years of the warranty or do they want a maintenance contract for after warranty?. This is urgent.

1.12 Maintenance

.1 Provide warranty maintenance services, parts, labour, travel, etc. as specified during the warranty period at no additional cost to Owner Repairs, adjustments or parts required during the warranty period are not a part of the maintenance contract. The maintenance contract begins when the warranty expires.

Answer 7:

Section 26 32 14 – Article 1.12 Maintenance, has been deleted from the scope of work.

Question 8:

1. The single line drawing states 250kw, but the spec says 230kW – please clarify - We can't get my tank quote until we know.
2. The single line diagram asks for an ASCO 300 series, but the specification asks for 50KA rating – this would have to be a 7000 switch or an 800A to meet the KA rating – rather than the 400A they asked for.

Addendum 2

3. Spec asks for spring isolators under the base, its highly recommend to NOT install like this – please clarify

Answer 8:

1. Generator to be 230KW/288KVA as per specification
2. ATS KA rating to be revised to 35KA to match main switchboard KA rating 35KA specified (ASCO 300 series at 400A is 42KA at 600V)
3. Follow generator manufacturer's recommendations for vibration isolation.

Refer to revised drawings as per of this addendum.

Question 9:

On Drawing E01-00-01 it shows a "New 12M DIP pole c/w transformers, Hydro One scope of work it shows a pad mount transformer 300KVA. On drawing E10-00-01 Single Line Diagram it shows DIP pole #2 with transformer mount by Hydro One. Please clarify the scope of the new service as related to Hydro One and the contractor?

Answer 9:

The Hydro One Primary Service Upgrade Layout has been provided as part of this addendum.

Question 10:

Please provide structural drawing for Fire water underground tank?

Answer 10:

Refer to section 33 37 00 regarding requirements for underground water tanks. Contractor must provide shop drawings and calculations from a Professional Engineer, licensed in Ontario, for the design of the tank anchor slab.

Addendum 2

Question 11:

There is no structural detail of Waste oil feed tank. Please provide.

Answer 11:

Refer to section 43 40 00.

Question 12:

Confirm we are adding new motors and controls on five existing overhead doors?

Answer 12:

Yes, new motors and controls to be provided on all five existing overhead doors as well as two new overhead doors.

Question 13:

There is a detail on drawing M74-00-01 which illustrates a sump pump installation, however a sump pump is not shown on drawing M21-00-01. Please confirm where the new sump pump is to be located.

Answer 13:

Sump pump is not required as part of the scope of this project.

Question 14:

Please confirm who the base building BAS contractor is, and if the new addition controls equipment shall be provided by JCI or the current controls contractor.

Answer 14:

The building does not have a base building controls contractor. Controls may be provided by any controls contractor experienced in working with Johnson systems. A new NAE supervisory controller is required to connect to the existing

Addendum 2

Metasys ADX server. Must have the firmware to 8.0.0.0449. Refer to the appendix – BAS guidelines for NAE installation requirements.

Question 15:

Please confirm size of existing UG waste oil tank, and if contents are to be disposed by this contractor.

Answer 15:

The existing UG Waste Oil Tank is 2000 lt. Contractor is responsible to pump out contents, remove tank and vent piping from site. Fill & compact excavation to match new grades.

Question 16:

ZCL Composites offers a fiberglass oil/water interceptor. Would fiberglass construction be accepted in lieu of high-density polyethylene.

Answer 16:

Application for the use of an alternative product must be submitted in accordance with Information to Bidders, Part 1, Section 1.7 Equivalent Products.

End of addendum