



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 1 – September 20, 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.

Appendix D-1 – The Deliverables

Section 08 71 00 – Finish Hardware

1. Delete paragraph 1.2.1. The bid lump sum price shall include all finish hardware.

Section 11 14 00 – Petroleum and lube dispensing systems and accessories

1. Delete paragraph 2.3.4.4.
2. In paragraph 2.4.1.3, revise hose length to 65 feet.
3. Delete paragraph 2.4.2.2.
4. In paragraph 2.4.3.3, revise hose length to 75 feet.

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5. Delete paragraph 2.4.3.14.2.
6. In paragraph 2.4.4.3, revise hose length to 75 feet.
7. Delete paragraphs 2.4.4.15.2 and 2.4.4.15.3.

Section 31 23 03 – Excavation and Backfill for Structures

1. Add new paragraph 2.1.6 as follows:

Drainage weepers, bedding and surround: Plastic pipe by Big-O or approved equivalent, Type 2 – perforated, 100 mm nominal inside diameter, complete with a seamless knitted polyester filter fabric sleeve. Non-perforated pipe sections as required for collectors, and all fittings required for the work. Pipe bedding to be clean coarse aggregate conforming to CSA-A23.1, Table 11, Group 1 (20 to 5 mm).

Section 33 36 00 – Septic Tank

1. Remove and discard Section 33 36 00. A new septic tank is not required.

Section 41 22 13 – Pantograph Lift Surface-Mounted

1. Remove Section 41 22 13 and replace with the attached revised Section 41 22 13. Added paragraph 2.1.1.1.4 for two heavy duty jacking beams.

Appendix D-2 – Material Disclosures

Add new Articles 4 and 5 as follows:

8. Other Contractors

The Region has awarded a separate contract to construct a new wash bay and related works on the east side of the existing facility. It is expected that the other contract will be on-going until at least the end of July 2020. The Region will make all reasonable efforts to accommodate the operations of both contract on the site. Bidders shall take this into account in their bid. No claims will be considered by the Region because of the presence of the other contractor on site during the Work.

9. Work on Site to Commence in Spring 2020

The Region's Order to Commence Work will not be issued until early April 2020 after Depot staff have concluded their winter maintenance operations. The Contractor will not be permitted to mobilize onto the site prior to the issuance of the Region's Order to Commence Work. However, preparatory work including but not limited to shop drawings, which does not require mobilization onto the site, may, at the discretion of the Contractor, begin in advance of April 2020. Reference Appendix B – Supplementary Conditions, Article 1 for the specified Contract Time.

Drawings

Drawing 02-M21-00-01

Revise note for Oil-Water Separator. Delete reference to Section 02535 and replace with Section 33 41 00.

Addendum 1

Document Taker Enquiries**Question 1:**

The electronic Bid Form on Bids & Tenders - Appendix C indicates that there is a Cash Allowance. Is there any Cash Allowances for this project?

Answer 1:

There is no cash allowance in this tender. Appendix C has been revised accordingly.

Question 2:

Section 33 36 00 Septic Tank. The specification would suggest a new precast tank however, Drawing C20 says to "Locate and Protect the existing Septic Tank and Tile Bed System". Please clarify.

Answer 2:

New precast tank is not required. Septic Tank and Tile Bed System are existing. Section 33 36 00 has been deleted in this addendum.

Question 3:

Structural Sections 2/S10, 6/S10 and 11/S10 indicate a perimeter foundation drain. Is this required and if so please provide specification since nothing is called up on drawings. There is Note 1 on Drainage and Backfill Recommendations in Geotech Report.

Answer 3:

The foundation drain is shown on Drawing S40-00-01 Section 1. Refer to the revision to Section 31 23 03 for the material specifications for the drain and pipe bedding.

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Question 4:

On Section for Typical Repair Bay Trench it shows "Pre-Fab trench see Spec". Typically this would be specified under Mechanical Plumbing but I couldn't locate this spec. Please clarify.

Answer 4:

The Trench Drain is specified in structural specification Section 03 35 00, paragraph 2.1.29.

Question 5:

Specification section 11 14 00 Sec 2.3.4.4 calls for pump with dual inlet for 50/50 mixture, waste oil would not be mixed with anything. Please clarify.

Answer 5:

The 50-50 mixture is not required. Pump should be single inlet. See revisions to Section 11 14 00.

Question 6:

Specification section 11 14 00 Sec 2.4.1.3 - Grease Specification calls for 3/8" x 60 ft. hose Specified Model # 94553DS: Model # indicates 3/8" x 50 ft. Please advise.

Answer 6:

Hoses for grease to be 65 ft. long. See revisions to Section 11 14 00.

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Question 7:

Specification section 11 14 00 Sec 2.4.1.4 - Compressed Air 2.4.1.4.4 calls for Dual Arm Hose Reel with 3/8" x 60 ft. hose. Specified Model # 94154: Model # indicates Single Arm Reel 1/2" x 50 ft. Please advise.

Answer 7:

For clarity, the hose reel for compressed air is specified in 2.4.4. Hose reel for compressed air to be a multi-position, dual arm support hose reel with 75 ft. long hose. See revisions to Section 11 14 00.

Question 8:

Specification section 11 14 00 2.5 Bulk Storage 2.5.1 calls for supply of 208 litre drums for Transmission Oil, Gear Oil and Grease. These drums would normally be supplied by product supplier. Please advise if we are to supply. Also, 2.5.2 calls for CSA and UL approved bench style tanks, these tanks are approved by UL only.

Answer 8:

Contractor shall supply the drums. The bulk storage drums shall accommodate the compressed air displacement pumps and drum suction kits. In order to have a complete system, provide the drums complete with drum suction kit as per the specifications.

UL approval only is acceptable.

Question 9:

The Region during the site meeting made note that the 2 bridge jacks were missing from the spec, is this something that will be addressed in the addendum to be released?

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Answer 9:

Yes. Section 41 22 13 has been revised to require the two jacks and re-issued.

Question 10:

Is the waste oil tank to actually be insulated as indicated in the insulation spec?

Answer 10:

Yes. The specification is correct.

Question 11:

When will be the Project Start date Physically at site?

Answer 11:

The Contractor will commence work on site in early April 2020, once winter road maintenance activities have ended. Depot staff are currently utilizing the space designated for the expansion to accommodate equipment relocated from wash bay project.

Question 12:

What will be size of the concrete apron in front of the building?

Answer 12:

Concrete apron to be full width of addition and extend 3.0 m out from the south building as shown on Drawing 02-A10-00-00.

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Question 13:

All the sub trades are busy and asking time extension to get best price. Can we get time extension for a week?

Answer 13:

The tender period has been extended by one week.

Mandatory Pre-bid Meeting Attendees

The following firms attended the mandatory pre-bid meeting:

1. Gallant Construction Ltd.
2. Garage Supply Contracting Inc.
3. Garritano Brothers Ltd.
4. J.J. McGuire
5. Kingdom Construction Limited
6. Matheson Constructors Limited
7. Norfield Construction Inc.
8. ONIT Construction Inc.
9. Ontario Electric
10. Peak Engineering & Construction Ltd.
11. SDM Construction Inc.
12. Snyder Construction
13. W.S. Morgan Construction Limited
14. Wajax
15. Western Mechanical
16. Western Oil Services

Attachments

1. Revised Section 41 22 13 – Pantograph Lift Surface-Mounted

End of addendum

1 General

1.1 Summary

- .1 Section Includes
 - .1 Labour, Products, equipment and services necessary to complete the Work of this section.

1.2 Submittals

- .1 Product Data: Manufacturer's data sheets on each product to be used, including:
 - .1 Preparation instructions and recommendations.
 - .2 Storage and handling requirements and recommendations.
 - .3 Installation methods.
- .2 Shop Drawings: Submit drawings showing full layout of all lifts with dimensions and details shown for services and conduits between lifts and the control consoles. Indicate the floor loading and anchoring details.
- .3 Operation and Maintenance Manual: Submit Owner's manual to include system operation, maintenance and troubleshooting, spare part number, drawings and schematics.

1.3 Quality Assurance

- .1 Manufacturer qualifications: The lift company selling the product shall have ISO-9001 certification and the proof of current certification shall accompany the bid.
- .2 Coordinate with structural concrete floor Shop Drawings to ensure floor can support the lift loads.
- .3 Installer qualifications: For warranty validation, installation shall be performed by qualified factory Authorized and trained personnel.
- .4 Product Requirements
 - .1 Design standards and certification: The lift shall be certified by MET to the ANSI/ALI Standard for Automotive Lifts, ALCTV-2017: Safety Requirements for Construction, Testing and Validation.

1.4 Delivery, Storage, and Handling

- .1 Store products in manufacturer's unopened packaging until ready for installation.
- .2 Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.5 Project Conditions

- .1 The lift bay is dedicated to industrial trucks maintenance; dirt, sand, and salt are expected on the floor.
- .2 The bay is heated during the cold season.

1.6 Warranty

- .1 Manufacturer's warranty: Lift system shall be warranted against defects in workmanship and material for a minimum period of two years for all parts and labour. The hydraulic cylinder seals and "Volumetric" synchronization system shall be warranted for a minimum of ten years covering replacement parts only. This warranty is limited and will exclude misuse, abuse or lack of maintenance.

2 Products

2.1 Manufacturers

- .1 TLS, Pantograph Lift model ECL 350 Series 77,000 lbs capacity, surface mounted. No substitutions permitted.
 - .1 Scope:
 - .1 A vertical "Pantograph" K style hinged heavy-duty platform lift to elevate mainly the municipality's Vector 2100 Plus sewage vacuum truck, and other heavy-duty vehicles for the purpose of inspection, maintenance, servicing and cleaning. Lift shall rise in a vertical fashion. Mobile column type lifts, four post lifts, parallelogram lift, are not acceptable.
 - .2 The lift must be available in both the conventional electronic sensor Inclinometer based PLC synchronization AND for

- rough surface, the "Electronic Sensor Free" "Volumetric" hydraulic cylinder divider combined with mini torsion bar.
- .3 Lift shall have a lighting system installed on the inner edge to illuminate the work area when the vehicle is raised. Individual lamps shall utilize waterproof low voltage construction and shall contain starter assembly integrated within one operating unit. Lamps shall be installed in adjacent to main lifting platform so as to be protected from potential damage caused by falling objects. The lift will be available with low voltage LED style lighting.
 - .4 Lift shall be equipped with two 35,200 lb (16 tonne) hydraulic heavy duty jacking beams.
- .2 Equipment Specification:
- .1 The lift shall have a minimum nominal lifting capacity of: 35 tonne asymmetric loading.
 - .2 The lifting capacity shall be determined by the following factors:
 - .1 The load distribution between the front and the rear axles.
 - .2 The location of the vehicle on the lift.
 - .3 The wheelbase of the vehicle.
 - .3 The lift shall have a minimum lifting height of 2000 mm from floor to the top of the runways when the lift rests on the floor.
 - .4 The platform dimensions shall be 10 m.
 - .5 Width of runways for all models shall be 762 mm.
 - .6 The lift will have a minimum shipping weight of no less than 6.8 metric tons. Lifts being offered with similar lifting capacity having a physical weight of less than this will be deemed as too lightweight structurally to provide the long-term durability required.
 - .7 The platform access ramp shall be 2.6 m.
 - .8 The collapsed height shall be maximum 360 mm.
 - .9 The ramps must be an anti-skid surface.

- .10 The lift must be a minimum of two (2) vertically mounted levelling bolts installed on either side of each base plate to assist the accurate and stable levelling of the lift.
- .11 The lift to include air outlets port at both ends of the runways suitable for operating jacking beams and air tools.
- .12 The lift shall be equipped with steel cantilever shutoff bars on the inside and outside leading edge of the runways.
- .13 The lifts shall be equipped with traction runway surface that utilizes granular silicone sand that has been incorporated into the powder coat finish.
- .14 The structure of the lift will be hot-dip galvanized (wash bay version). The control console will be IP65 water resistant and stainless steel (wash bay version).
- .3 Controls:
 - .1 The lift system shall utilize appropriately rated motors that operate at 575 V 3 phase.
 - .2 The lift shall have a two-speed lowering option.
 - .3 The control system will be manufactured to be suitable in a wash bay environment.
 - .4 The lift will be equipped with a manual hydraulic hand pump to aid with raising the lift off the mechanical locks for lowering in the event of a power failure.
 - .5 Electrical enclosures for control components shall be rated IP 65 and shall include as a minimum:
 - .1 System disconnects.
 - .2 "Power-on" pilot lamp.
 - .3 "Up" control and "down" control.
 - .4 Lock release button.
- .4 Coatings:
 - .1 The lift must be equipped in nickel zinc galvanized protective coating.
- .5 Hinge Point Design:
 - .1 All rotating axles shall be made of stainless steel.

- .2 The lift to be equipped with greasing manifold so that all zerk fittings can be greased from a central location.

3 Execution

3.1 Examination

- .1 Examine areas concrete floor and conditions with installer present for compliance with requirements for installation and other conditions affecting performance of equipment. Do not proceed with installation until unsatisfactory conditions have been corrected.
- .2 Examine roughing-in of electrical and compressed air underground connections prior to equipment installation.

3.2 Installation

- .1 Installer shall be qualified and certified by the certified by the ALI (Automotive Lift Institute) certification program for automotive lifts.
- .2 General: Comply with equipment manufacturer's written installation instructions.
- .3 Coordinate location of lift with lift provided by structural contractor. Provide lift Shop Drawings to Structural Contractor for review and coordination.
- .4 Coordinate all required underground PVC housing lines between the lift hydraulic box and components at platform lift.
- .5 Lift requires power and compressed air connections, refer to relevant process and mechanical drawings for utilities location and coordinate with equipment shop drawings.
- .6 Provide anchoring and leveling procedures details.

3.3 Connections

- .1 Provide 19 mm compressed air connection c/w filter/lubricator/regulator assembly.
- .2 Install electrical connections for power, controls, and devices.
- .3 Electrical power and control wiring and connections are specified in Division 26 sections.

3.4 Training

- .1 Provide four hour session training for minimum 4 operators.

3.5 Commissioning

- .1 Upon completion of the installation, standard manufacturer start-up and testing procedures, installer to provide a final commissioning report containing the following:
 - .1 Verification Test, Performance Test, O&M, Training.
 - .2 A cover letter, signed and sealed by a Professional Engineer licensed in province of Ontario, listing the systems which have undergone the pre-functional and functional testing, and stating any deficiencies.
- .2 Substantial performance of the building's construction phase is dependent on the Design Team and Owner's acceptance of the final commissioning report.

End of Section