

Bid Opportunity 231-2015
Shoal Lake Intake Fuel Storage and Delivery System Rehabilitation
Addendum No. 1

Questions & Responses

GENERAL QUESTIONS:

QG1: What are hours of work?

AG1: Site work may be performed 7 days per week, between the hours of 7am and 7pm. Requests to work outside these hours shall normally be made at least 5 calendar days in advance to site management, and a reply shall be provided within 3 calendar days.

QG2: Is alcohol permitted on site?

AG2: Refer to E4.2 of the Bid Opportunity.

QG3: What facilities are provided for staff, and who is responsible for food preparation?

AG3: The City will provide access to the staff house and kitchen facilities at no charge, but does not offer cooking. Refer Bid Opportunity Appendix C. The Contractor may bring in their own cook but this must be confirmed with the City in advance to coordinate with any other site activities.

QG4: Who are the Authorities Having Jurisdiction?

AG4: The Provincial Office of the Fire Commissioner, Manitoba Hydro, and the Ministry of the Environment have jurisdiction.

QG5: Who is responsible to provide any required bins or containers for construction or waste materials?

AG5: The Contractor is responsible for supply, handling, disposal, return of all such containers and related fees.

QG6: Are there any ongoing concerns with the Shoal Lake First Nation?

AG6: The City has co-ordinated all required actions, and will respond to any new matters with the Shoal Lake First Nation.

QG7: Is there a loading ramp at the designated GWWD Rail locations and at Shoal Lake?

AG7: There is no ramp at the East Braintree Yard or at Mile 84.44. At least one GWWD Railway flatcar has built-in ramps. Shoal Lake site has one unloading ramp.

QG8: Critical date extensions?

AG8: Critical dates would be extended based on any extension of the award date of the works. Work extending into the Christmas period would include a 2 week extension.

CIVIL / TRACK / STRUCTURAL

QCTS1: What is the load limit of the existing intake structure area as it pertains to moving excavation equipment to the swale location?

ACTS1: Prior information indicated that the roof was near maximum capacity with the existing landscaping and that the walls had limited soil support capacity. Contractors shall excavate the swale using manual labour and handling of materials.

QCTS2: Who is performing rail / track / ballast works at Shoal Lake?

ACTS2: The City of Winnipeg will perform all necessary rail/tie removal, and replacement of rail/tie and ballast on grade properly prepared by the Contractor.

QCTS3: Are pipe support beams required up to the swale?

ACTS3: The pipe support beams are not required between the south most column support and the first ground based pipe support at the swale provided the distance is 3 metres or less.

QCTS4: What is the depth of sub-base or base under the slabs?

ACTS4: Install according to the recommendations of the geotechnical report, provided in Appendix in the tender documents and as amended by any subsequent Addenda.

MECHANICAL:

QM1: What is access logistics for the concrete holding tank?

AM1: The tank will be pumped out by the City in preparation for any required entry by the Contractor. The City has confined space entry documentation available for use by the Contractor.

QM2: Are scans required prior to making penetrations in existing concrete surfaces?

AM2: Scans are required and to be performed by trained qualified operator.

QM3: How are interior drip pans to be continued over concrete step-ups?

AM3: Provide open ended channel with each end located over the main floor drip trays. Channels shall be fabricated and finished as for the drip trays.

QM4: Who is responsible for restarting the engines once the new fuel lines are connected?

AM4: The City will provide a technician to start the engines. The Contractor is responsible to purge lines of air and to ensure fuel supply to the engine connection location.

QM5: Is protection required for the overhead piping between the swale and the first aerial support?

AM5: The clearance beneath the pipes and the type of equipment used to mow the lawn in these areas is such that no mechanical protection is specified.

QM6: Is a tracer wire required for the replacement section of irrigation pipe?

AM6: No.

ELECTRICAL:

QE1: What is the required communication link for the PLC's, operator station and sub components?

AE1: Ethernet

QE2: Clarification for the process electrical wiring, there is no electrical details or drawings for any work in the Pump Room Field Process Area Day Tanks and Secondary Pipe Containment Sump? Will we be installing cables on existing tray/new tray/ conduit?

AE2: Use existing cable trays where space and ratings permit, or appropriate Teck cable supports

QE3: What is the distance from the pump house Electrical Room to the new Bulk Diesel Fuel Tank panel location?

AE3: The cable run is estimated to be approximately 50 meters in length, depending on the final routing. Contractor should refer to scale bar on drawings.

QE4: How many control and power cables need to be disconnected from the De-Chlorination Building to existing gasoline & diesel fuel storage tanks?

AE4: Not confirmed by the City. As-built site plans show 2 conduits between the Building and the existing tank area. Photos of the Building electrical panel and its directory are included in Appendix E and indicate 1 "gas pump" breaker.

QE5: Control/instrumentation cable from Main Control Panel CP-P515 going to panel PNL-A510. There will be up to 8 multi-conductor cables (#14/16C) for the required I/O as per drawing 1-0600A-A0001-001 Rev 0. Structural Drawing 1-0600A-S0003-001 rev.0 displays only 1 instrumentation cable and 1 power cable. How should we mount the other control cables on the pipe support? Should cable tray be mounted on the pipe support?

AE5: The use of fewer communication cables each with a greater number of conductors is preferred to minimize the number of penetrations through the wall. Control/instrumentation cables may be installed on the sides or top of the pipe support beams using appropriate attachments and methods, including "unistrut" or similar product, or other cable trays on top of beam, provided all such components are hot dip galvanized, or hot dip galvanized with the beams. Submit proposed installation details. Coordinate with all other disciplines.

QE6: Where is the heat tracing controller to be located?

AE6: Install the heat tracing controller on the exterior surface of the west side pump enclosure, at a height of 600 mm or more above grade to remain outside the electrically classified areas. A single controller will serve all the underground piping being heat traced. The spare heat tracing cabling shall also be run into the controller, but not connected to power.