AMENDMENT 006

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THE FOLLOWING AMENDMENT TO THE TENDER DOCUMENTS IS EFFECTIVE IMMEDIATELY.
THE AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.
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ADDENDUM NO.3

REVISION TO ADDENDUM 2

In question 2 of "QUESTIONS AND ANSWERS", please delete the response given in addendum 2 in its entirety and replace it with the following response:

The Contractor to substitute cable size specified (1C#1/0) with 1C#2 AWG direct buried copper cable and ensure the proposed cable has the same features as the original specified cable in compliance with the requirements indicated in Specifications, Section 26 05 14.

QUESTIONS AND ANSWERS

Question 1: The tender documents discuss minimizing noise during construction activities as to minimize the effects on visitor experience during construction. That said, the work requires heavy equipment, rock busting for a significant portion of the trench and haul truck traffic to import the required materials for trenching back fill. All of these activities can create significant noise. Can you please elaborate on what the expectations are surrounding noise levels during construction.

Answer 1: See specification updates below.

Question 2: Will blasting be allowed for trench excavation? The tender documents mention that blasting can only be done with the approval of the site representative. The type of rock present onsite is very hard and could very likely require blasting to achieve the target trench depths. We need to know if blasting will be accepted.

Answer 2: See specification updates below.

Questions 3: The tender documents indicate that bidders are to assume that 50% of the trenching shall be in rock however, the tender submission form does not allow for the inclusion of a unit rate to be applied for potential credit or extra should this assumption be not accurate. Please elaborate on how the tender price shall be adjusted based on the actual amount of rock encountered during trench excavation.

Answer 3: Trenching work is now included as linear metre unit costs. See new tender form and specification updates below.

Question 4: The provided drawings indicate that the 4m construction corridor for the trenching on the South portion of the site to encompass the service road between the main access road and the old light house area. Is the intention to excavate the road to place the cable or is the trench to be installed on the side of the existing road?

Answer 4: The intention is that the cable will run along the side of both Blackhead Rd and the gravel access road, within the designated 4 metre corridor indicated on the drawings. The access road will require maintaining single lane traffic for maintenance reasons. Work will have to follow shoulder of access road to maintain single lane travel. The Contractor may propose route revisions for approval as per note 1 on drawing E02.

Question 5: Is the water and sewer piping installed between the washroom and craft shop installed below the frost line? Can you provide As-Built installation depths?

Answer 5: Both the water main (550 mm minimum cover) and the sanitary sewer (800 mm minimum cover) are located within the frost zone.

Question 6: Can the cable from the Washroom area to the craft shop area be installed on top of the Sewer piping, as this area has been previously excavated? Or is the expectation to dig a separate trench for the cable?

Answer 6: Work should be carried out within the previously excavated alignment as much as possible to minimize further disturbance outside the existing corridor. The new cable should not be installed directly above the existing piping. Should this piping ever need to be accessed in the future, we hope to avoid interference with the new cable. Warning tape is required as per Drawings and Specifications.

Question 7: Is there a limit on the maximum length of trenching that can be opened simultaneously? Is there a limit to the amount of trench that can be left open over night?

Answer 7: There is no limit for maximum length that can be opened simultaneously or left overnight. All open excavations must be barricaded to prevent unauthorized access (see specification updates below).

Question 8: Will visual inspection for cable trench backfill compaction be acceptable?

Answer 8: See specification updates below.

Question 9: Can the Service road from the main access road to the old light house area be closed completely for trenching?

Answer 9: No. Single lane driving access must be maintained.

Question 10: Due to nature of work being completed as well as the low risk, in an effort to keep cost down, would it be acceptable to use site superintendent for daily onsite HSE activities and oversight and have bi-weekly site visit from corporate HSE advisor?

Answer 10: Yes it will be acceptable provided the Site Superintendent has undergone the appropriate safety training.

CHANGES TO SPECIFICATIONS

.1 Section 01 11 00 – General Requirements of Work

.1 Add 1.3.2 as follows:
"Construction work is not permitted at Cape Spear between mid-May to mid-October."

.2 Section 01 35 29.06 – Health and Safety Requirements

.1 Delete 1.16.1 in its entirety and replace as follows:
"Blasting or other use of explosives is not permitted without prior receipt of written instruction by Departmental Representative. Blasting is not permitted onsite unless all mitigative measures have been exhausted. Approval for blasting must be requested at least 48 hours prior to commencing work."

.3 Section 31 23 33.01 – Excavating, Trenching and Backfilling

.1 Delete 1.3.1 in its entirety and replace as follows:
".1 Excavation classes: three classes of excavation will be recognized; rock excavation, common excavation, and asphalt area excavation.

.1 Rock excavation: trench excavation which includes solid material in excess of 0.25 m^3 and which cannot be removed by means of heavy-duty mechanical excavating equipment with 0.95 to 1.15 m^3 bucket. Frozen material not classified as rock.

.2 Common excavation: excavation of materials of whatever nature up to required depth, which are not included under definitions of rock excavation.

.3 Asphalt area excavation: excavation of materials of whatever nature up to required depth, which are within limits of existing asphalt surface areas."

.2 Add 1.3.10 as follows:
"1.3.10 Measurement for Payment

.1 Trench Excavation (Rock) - Shall be measured by the metre for any section of trench including rock material, as defined in 1.3.1.1 above. Include incidental to this cost all costs for excavation, bedding, backfill, pressure treated wood plank, marker tape, finished ground treatment, and any other plant, equipment, labour and material required to complete all work as indicated.

.2 Trench Excavation (Common) - Shall be measured by the metre for trench excavation of common material as defined in 1.3.1.2 above. Include incidental to this cost all costs for excavation, bedding, backfill, pressure treated wood plank, marker tape, finished ground treatment, and any other plant, equipment, labour and material required to complete all work as indicated.

.3 Trench Excavation (Asphalt Area) - Shall be measured by the metre for trench excavation in asphalt areas as defined in 1.3.1.3 above. Include incidental to this cost all costs for saw-cutting and removal of asphalt, excavation, bedding, backfill, pressure treated wood plant, marker tape, Type "A" and Type "B"

granulars, asphalt and any other plant, equipment, labour and material required to complete the work as indicated.

.4 Trench length for measurement purposes will be measured continuously along the centreline of the new cable installed.

.5 Excavation and disposal of waste material and excess material is considered incidental to the unit price."

.3 Add 3.3.5 as follows:

"All open excavations must be enclosed by barricades or fence to prevent unauthorized access."

.4 Add 3.5.2 as follows:

"Compaction requirements:

.1 Required compaction densities are as described in Section 31 00 00.01 – Earthwork.

.2 For any trench backfill under gravel road or native ground: visual inspections are permitted after initial testing with nuclear densometer.

.1 Compaction must be completed using approved compaction equipment and as per ASTM standards.

.2 Three initial tests must be completed with nuclear densometer to verify compaction. Results must be submitted to Departmental Representative.

.3 Contractor shall establish rolling/compaction pattern used to achieve desired compaction and provide summary of pattern in writing to Departmental Representative.

.4 If nuclear densometer tests show that there are no issues with achieving desired compaction, visual inspections are permitted after following the established rolling/compaction pattern.

.3 For any trench backfill under asphalt or concrete: compaction verification by nuclear densometer required, no visual inspections.

.4 All compaction testing must be verified by third party and results must be submitted to Departmental Representative."

END OF DOCUMENT

By submission of its bid, the bidder confirms that it has read and understands the requirements expressed in all addenda and has included all costs of these requirements in its Total Tender Amount.

All other terms & conditions remain unchanged.

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