ADDENDUM NO. 3

City of Franklin	Contract No.	2023-0288
Engineering Office	Project	ROBINSON LAKE DAM REHABILITATION
109 Third Avenue South		
Franklin, TN 37064		

Date of Issuance 10/03/2024

You are directed to make the following changes in the Contract Document:

Description:

I. Contractors are required to make the changes highlighted below to Article 2- Attachments to this bid:

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

A. The entire Project Manual;

B. Required Bid security;

C. Drug Free Affidavit;

D. Statement of License Certification;

E. 00413 Iran Divestment Act Certification

F. 00414 Non-Boycott of Israel Requirements

II. Questions and Answers:

Q1: Addendum 2, Question 11 – The response to this question states that for Type 1L to be considered an equivalent product to the specified Portland Type II or III cement and be approved for use, that it must be demonstrated that the Type 1L is in conformance with all physical properties of the Portland Type II or Type III. Major cement suppliers have indicated that Type 1L will not be in conformance with all physical properties of either specified Portland Type. Please provide a list of the physical properties for which Type 1L must in conformance with the specified Portlands, or confirm that Type 1L will not be considered an equivalent product and will not be accepted.
A1: Type 1L is acceptable provided it is used in the development of the mix design as specified in Section 314313 Paragraph 3.4.B.
Q2: Addendum 2, Question 15 – The response to this question provides two examples of drilling methods for overburden. Are these the only methods which will be allowed, or will other methods for overburden drilling be allowed?
A2: Those were two examples of drilling techniques. The Contractor can propose other drilling techniques that do not detrimentally affect the grouting operation.
Q3: Addendum 2, Question 16 – The response to this question indicates that the overburden casing pipe must be removed after grouting is complete. The Grout Pipe Detail (Detail E) on Drawing CD-6 shows the steel overburden casing grouted in place. Grouting in place is also called for in Specification Section 314314. If the steel overburden casing is grouted in place, it will not be able to be removed and must be cut flush with the ground and left in place. Please confirm if the intent is to remove the steel casing, in which case, the casing cannot be grouted into place, or if the intent is to grout the casing and leave in place after grouting.

A3: The steel casing through the overburden shall be temporary and removed from the overburden and tremie grouted to the ground surface. Grout Pipe Detail E on Drawing CD-6 shall be removed from the drawing set.

Q4: Addendum 2, Question 17 – The response to this question replaced the original requirement of a Project Manager with a minimum amount of grouting experience and a TN PE with the requirement to have a Drilling and Grouting Inspector with a minimum level of education and experience.

- Please provide clarification of the Drilling and Grouting Inspectors role on the project.
- Will the Drilling and Grouting Inspector be required to be on site?

A4: Paragraph 1.5.A.2 in Section 314313 will be changed to: "Project Manager: Five years of being responsible for grouting operations. Project manager must be on site during grouting operations.

Q5: Addendum 2, Question 29 – This question was asked when the job was bid previously in 2023 and it was answered that delays due to the referenced sequencing would be paid as Standby Time under bid item FG-09. For the reasons mentioned, delays due to sequencing represent a significant risk to the grouting contractor on this job and the duration of these delays cannot be reasonably estimated. Requiring the contractor attempt to estimate what these may be is likely to add considerable costs to the grouting program beyond those from the previous bid. Please reconsider paying for delays due to sequence restrictions as Standby Time.

A5: Use of standby time under pay item FG-09 is confirmed. Contractor shall be prepared to grout along both the main dam embankment and dike locations in a singular day to limit potential standby time.
Section 314314 Part 3.1.C, shall be replaced as follows: "Unless approved by the Engineer, no drilling, water pressure testing, or washing of grout holes can occur within 30 feet of a previously grouted hole until 24 hours have passed since completion of grouting. No drilling, washing, or grouting can be performed within 30 feet of a hole in which water pressure testing is being performed. Distances to be measured parallel to the dam baseline between the closest profile locations in the grout holes."

Q6: In specification section 2.2.A.1, we are requesting the cement type to be changed from the currently specified ASTM C150, Type II cement to ASTM C595 Type IL (10) cement. This is a result of a new standard published and adopted by the AWWA earlier this year that prestressed concrete cylinder pipe is now to use ASTM C595. The reason behind this change: The Portland Cement Association and its producing members, in response to international concerns with the sustainability of our plant, have moved forward with a plan to make the domestic cement industry carbon neutral before 2050.

A6: If the supplier can demonstrate that the physical characteristics of the Type IL cement are similar to Type II cement, Type IL will be acceptable.

END of Addendum