



To: Paul Vlasich, Town of Exeter

Date: April 12, 2016

Memorandum

Project #: 52151.04

From: Todd Monson, VHB

Re: Pre-Bid Meeting
Response to Questions

On March 30, 2016 at 10:00AM, the Town of Exeter and its consultant, VHB, held a mandatory pre-bid meeting for the *Great Dam Removal and Exeter River Restoration Project* at the Town of Exeter Library. Prior to the meeting, five contractors were prequalified by the Town to bid on the project and were asked to attend the meeting to ask questions and to review the project in detail. Three contractors attended the meeting and were qualified to bid on the project.

The Town of Exeter and VHB provided a detailed overview of the project including a discussion of the Construction Plans and the Bid Items. Similar to the prequalification meeting, VHB informed the group that questions and responses presented at the meeting would be considered informal, and that all questions must be submitted in writing by April 11, 2016. To date, four questions were received and have been listed and responded to below as questions 1 – 4. To better inform all potential bidding contractors, this memorandum summarizes additional questions and responses to items that were mentioned during the meeting. All questions and responses are provided below.

1. What flow rates (cfs) will be required to pass through the site during construction / low flow period?
 - a. *The coffer dam should be designed to protect the work site during flows up to the 1.5 year event, which has an estimated flow rate of 1,170 cfs. The Construction Plans provide an estimated elevation that would be required to protect the site during the 1.5 year event based on the proposed coffer dam alignment. The river diversion and water management plan should provide information describing construction phasing and removal procedures in the event of a storm event. To aid in proper coffer dam design, the following flow rates were estimated for various storm event and time of year conditions:*

<i>Flow Condition</i>	<i>Flow Rate (cfs)</i>
<i>D50 (September)</i>	<i>6</i>
<i>D50 (June)</i>	<i>105</i>
<i>D50 (May)</i>	<i>162</i>
<i>D50 (April)</i>	<i>327</i>
<i>D50 (Annual)</i>	<i>71</i>
<i>D95 (April – June)</i>	<i>32</i>
<i>D5 (April – June)</i>	<i>609</i>
<i>Q1.5</i>	<i>1,170</i>
<i>Q2.0</i>	<i>1,420</i>
<i>Q10</i>	<i>2,914</i>

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2. Can the Limit of Disturbance (LOD) be modified slightly for access purposes?
 - a. *The LOD may be modified slightly for access purposes at the approval of the Town and the Engineer.*
3. Is there a preliminary estimate on export volume and type of material?
 - a. *It is anticipated that there will be minimal export volume during the project and material excavated within the river can be used to supplement the cobble-boulder bed material mix. As specified in the Geotechnical Design Basis Report, dated December 2014 and prepared by PARE, the material within the river mostly consists of gravel, weathered rock and quartzite bedrock. The grain size analysis of the borings within the river identified minimal fines. The Geotechnical Report is available for download on the Town website.*
4. Should the contractors (bidders) carry chemical testing for export materials?
 - a. *There is no known presence of hazardous materials at the site and the Dam Removal Feasibility Report, dated October 2013, and prepared by VHB, provides discussion of sediment sampling, and associated results, which was performed during the feasibility study. Section 3.4.4 of the Report states that none of the six samples performed in the vicinity of the dam had results above detection or method reporting levels (MRLs) for the parameters tested. Limited disposal of material is expected during this project, but if the contractor determines that disposal is necessary, they shall perform testing required for disposal in conformance with appropriate regulations. For a complete discussion of sediment sampling performed at the site, the Feasibility Report is available for download at the following location:
<http://exeternh.gov/bcc/river-study-committee>.*
5. If a temporary access bridge is required for access to the river, will a Professional Engineer (PE) stamp be required on the submittal documents?
 - a. *If the contractor determines that an access bridge is required, they shall submit drawings and calculations as required in the specifications. The drawings and calculations shall be stamped by a registered professional engineer.*
6. What are the turbidity requirements / limitations during the project?
 - a. *The Exeter River is classified as a Class B waterway according to the State's surface water classification system. New Hampshire DES specifies that for Class B waters, turbidity is limited to 10 NTU above naturally occurring conditions. Discharges from the project site should not exceed 10 NTU above naturally occurring conditions.*
7. Is the sprinkler system in Founder's Park functional?
 - a. *The sprinkler system in Founder's Park is functional, and the Town does not have additional information on location or type. The Contractor may inspect the site to learn more information about the system. Prior to construction the Town will coordinate a meeting with the sprinkler system operator.*
8. What is the specification for the replacement wood trash rack at the penstock?
 - a. *The wood trash rack shall consist of pressure treated wood with nominal dimensions similar to those of the existing wood trash rack. The contractor shall submit materials for approval to the Engineer prior to installation.*

9. What should be granite revetment along the Green Bean retaining wall look like?
 - a. *The granite revetment located along the Green Bean retaining wall shall be of similar appearance to the existing granite revetment on the other side of the river downstream of the dam.*
10. Is survey control for the site available?
 - a. *Survey control is available for the site, and the Town will upload a drawing providing control to the website.*
11. Will driveway access to the property at approximately 47 Franklin Street be required to be maintained during dry hydrant installation?
 - a. *It will be required that the contractor maintain driveway access to the property at approximately 47 Franklin Street, as well as all other properties along the road. The contractor should coordinate with the property owners to ensure construction does not interfere with necessary access to the properties.*