

February 8, 2016

**RESOLUTION NO. 5, 2016**

Board Member DiMarco presented the following Resolution and moved its adoption.

**BE IT**

**RESOLVED**, that the Water Board contract with Greeman Pedersen, Inc., a copy of which is attached hereto as Schedule "A", for Cork Center Reservoir Dam Rehabilitation Design Proposal services for an amount not to exceed \$62,000.00.

Seconded by: Pradelski

Ayes: 3

Noes: 0

Absent: 2 Caruso, Jeffers

# **GPI** Greenman-Pedersen, Inc.

Engineering and Construction Services



February 3, 2016

City of Johnstown Water Board  
Attn: Mr. Nicholas Cannizzo, President  
\*via email\*

**Re: CORK CENTER RESERVOIR DAM REHABILITATION DESIGN PROPOSAL**

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Dear Mr. Cannizzo,

**Greenman-Pedersen, Inc. (GPI)** appreciates the opportunity to assist the City with the preparation of the design plans, specifications and bid documents for the **Rehabilitation of the Cork Center Reservoir Dam**.

As you are aware, GPI prepared the Final Engineering Assessment Report (EA) for the Cork Center Reservoir Dam in April of 2014. The EA outlined the compliance of the Dam with respect to the NYSDEC Guidelines for Design of Dams and the NYSDEC Part 673 Dam Safety Regulations.

The EA Report identified deficiencies and provided recommendations, as appropriate, for remedial repairs, operational restrictions, monitoring, and/or modifications. The assessment also identified analyses and/or studies needed to access and determine solutions to the identified deficiencies.

The Scope of Services for the design of the rehabilitation of the Cork Center Reservoir Dam includes the following:

Task 1 – Survey

GPI has completed the survey of the project location for the Emergency Action Plan (EAP) and Dam Breach Analysis (DBA).

Task 2 – Hydraulic Calculations

GPI will assess the inadequate spillway capacities to determine the most economical method to comply with the requirements of the NYSDEC. GPI will coordinate with NYSDEC Dam Safety, and obtain approval for the most feasible method of compliance.

# GPI

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## Task 3 – Design of the Upstream and Downstream Embankment Improvements

GPI will complete a full design of the necessary improvements to bring the dam into compliance with the NYSDEC Dam Safety Regulations. Improvements will include the removal of trees adjacent to the service spillway and groin areas, armoring of the upstream embankment to prevent wave erosion, and the necessary repairs and flattening to the downstream embankment.

## Task 4 –Design of the Pedestrian Access Bridges

GPI will evaluate the tower pedestrian access bridge to determine the existing condition and options related to rehab/repair vs. replacement. GPI will design the replacement of the existing spillway access bridge along with design of the tower access bridge based upon the structure assessment.

## Task 5 –Rehabilitation of Outlet Works

GPI will perform a condition assessment of the existing outlet works along with the design of the new outlet works control building. GPI will coordinate with the Water Department on their future needs to integrate technology upgrades for the proposed control building.

## Task 6 –Prepare Construction Documents/NYSDEC Permit

GPI will prepare all construction documents (drawings, specs) for the rehabilitation along with submittals of all necessary documentation for the NYSDEC application submittal.

## Fee

GPI can perform the above scope of work for a total Not to Exceed value of \$62,000.00 billed hourly in accordance with the attached rate table. Additional engineering and construction phase services, beyond the scope of the requested work, can be provided at the request of the client using the following rate schedule.

Again, we appreciate the opportunity to submit this proposal and look forward to working with the Water Department on this project. If you have any questions or require additional information, please do not hesitate to contact me.

## Acceptance

If this proposal for Professional Engineering Services is acceptable, please sign below. It is understood that this acceptance authorizes the commencement of work.

Sincerely,

**GPI** Greenman-Pedersen, Inc.



John G. Rizzo, P.E.  
Asst. Vice President  
cc: file

<u>Authorization to Proceed</u>	
<u>Michelle A. Conroy</u>	<u>2/8/16</u>
Signature	Date
<u>Nicholas A. Cannizzo</u>	
Printed Name	
<u>President, Johnstown Water Board</u>	
Title	

*Execution of this document constitutes a contract between the client and GPI for the services mentioned herein. GPI's liability for any claims pursuant to the work performed under this agreement is limited to the fee noted above.*



## 2016 HOURLY RATES AND EXPENSES

### **TECHNICAL STAFF:**

Principal Engineer .....	\$190.00
Project Director/Senior Engineer .....	\$170.00
Project Manager .....	\$160.00
Sr. Landscape Architect.....	\$145.00
Associate Engineer.....	\$145.00
Project Engineer/Sr. Designer.....	\$135.00
Geotechnical Engineer .....	\$130.00
Environmental Engineer/Scientist.....	\$120.00
Engineer.....	\$110.00
Design Engineer.....	\$90.00
Landscape Architect.....	\$85.00
Sr. Engineering Tech/Sr. CAD .....	\$85.00
Jr. Engineer .....	\$75.00
Engineering Tech / CAD .....	\$75.00
Technician .....	\$65.00
Engineering Intern .....	\$45.00
Survey Party Chief.....	\$95.00
Survey Instrument Person.....	\$80.00
Survey Rod Person.....	\$70.00
Administrative Staff.....	\$65.00

### **CONSTRUCTION INSPECTION STAFF:**

Resident Engineer (NICET Level IV) .....	\$110.00
Office Engineer (NICET Level IV).....	\$105.00
Construction Inspector (NICET Level III) .....	\$98.00
Construction Inspector (NICET Level II) .....	\$77.00
Construction Inspector (NICET Level I) .....	\$65.00

*Rates include non-salary expenses such as small format copies, mailings and shipping. Mileage to/from Water Department Office and project sites shall be invoiced via the approved federal rate or per GPI policy, whichever is the lesser amount. Current GPI mileage reimbursement rate is \$0.50/mile.*

*Client approved third party services such as sub-consultants or subcontractors if/when necessary shall be invoiced as a direct expense to the Water Department with no mark up.*