

## **Elmhurst Quarry 2<sup>nd</sup> Gate Design**

### **Project Overview:**

The Elmhurst Quarry Flood Control Facility is an 8,300 acre-foot capacity detention facility located south of North Avenue on IL Route 83 in Elmhurst. DuPage County Stormwater Management is responsible for operation of the facility that was designed to accept flows from Salt Creek through a sluice gate and fixed weir system. The facility operates primarily through the 7'x7' sluice gate. When water reaches the trigger elevation, the gate is opened and flow from Salt Creek is directed into the facility. Once water levels in Salt Creek have receded, a series of pumps are used to pump water back into the creek.

The Stormwater Management Department is looking to maximize efficiency in operations by adding an additional sluice gate to the existing system. Design engineering, permitting, and environmental services are required for preparation of the engineering plans and specifications for the proposed project. Proposed improvements include but are not limited to construction of a new gate, bank stabilization, and associated restoration. An operation plan for the new system will also need to be developed. This project is expected to be constructed in the Fall of 2020.

In order to meet project schedule commitments, DuPage County Stormwater Management is soliciting Statements of Interest (SOI) from select engineering and environmental firms to provide design services for the Elmhurst Quarry 2<sup>nd</sup> Gate Design Project in Elmhurst, Illinois. If you are interested in being considered for this project, we request that your SOI consider the items noted in the project information below:

### **Consultant Scope of Services:**

- Prepare permit applications, engineering plans, and specifications as needed to procure all local, state, and federal permits and approvals;
- Perform site reconnaissance including topographic surveys, wetland delineations, and tree surveys;
- Model existing and proposed site conditions using necessary hydraulic and hydrologic modeling techniques approved by applicable permitting agencies;
- Coordinate design and progress meetings with the project team and manage permit submittals;
- Prepare for and attend public information meetings;
- Implement quality control procedures amongst design team for compliance with DuPage County policies and procedures;
- Effectively communicate with all entities that make up project team;
- Must demonstrate ability to meet project deadlines;
- Must have knowledge of permitting process for various local and state agencies including: DuPage County Stormwater Management, Army Corps of Engineers-Individual Permit, Kane DuPage Soil & Water Conservation District, Illinois Department of Natural Resources, and any additional permits required for the project;
- Must demonstrate experience in design of similar projects.

### **Consultant Key Staffing:**

- At least one (1) Civil or Environmental Engineer (must be an Illinois licensed Professional Engineer)
- At least one (1) Environmental Scientist or Biologist with experience in wetland and riverine system design including wetland delineation, wetland/riparian mitigation design, and streambank stabilization design of similar scope. This work may be completed by the Prime or Sub-consultant.
- At least one (1) Structural Engineer (must be an Illinois licensed Structural Engineer). This work may be completed by the Prime or Sub-consultant.
- At least one (1) Mechanical Engineer (or equivalent) with familiarity in gate operations and SCADA systems.
- At least one (1) Geotechnical Engineer (must be an Illinois licensed Professional Engineer). This work may be completed by the Prime or Sub-consultant.
- Surveyor (must be an Illinois Licensed Professional Land Surveyor). This work may be completed by prime or sub-consultant.

### **Project Parameters:**

- The estimated value for this contract is \$90,000.
- The project will utilize a 2.8 Direct Labor Multiplier method of compensation.
- DuPage County will review all documents prior to bid.

- At this time, the project will be funded by Stormwater Management funds.

**Selection Criteria and Weighting:**

Technical Approach	30%
Firm Experience	25%
Staff Capabilities	30%
Work Load Capacity	10%
DBE/WBE Participation	5%

**Statements of interest are due by March 21, 2019 by 3:00pm and may either be mailed to:**

Sarah Hunn, P.E.  
Deputy Director, Stormwater Management  
421 North County Farm Road  
Wheaton, IL 60187-2553

**Or submitted electronically @ <http://www.dupageco.org/Finance/Procurement/QBS/44230/>**

**Selected firms will be notified around April 5, 2019**