

Request for Qualifications (Architect / Engineer - Dam Rehabilitation)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	<u>Kirkersville Feeder Canal Study and Report</u>	Response Deadline	<u>10/12/2018</u>	<u>4:00 PM</u>	local time
Project Location	<u>Buckeye Lake State Park</u>	Project Number	<u>DNR-190005</u>		
City / County	<u>Millersport & Kirkersville / Fairfield & Licking</u>	Project Manager	<u>James Hilovsky</u>		
Owner	<u>Ohio Department of Natural Resources</u>	Contracting Authority	<u>Local Agency</u>		
Delivery Method	<u>General Contracting</u>	Prevailing Wages	<u>State</u>		
No. of paper copies requested (stapled, not bound)	<u>4</u>	No. of electronic copies requested (PDF)	<u>2</u>		

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Julie Endicott at 2045 Morse Rd., Building E-3, Columbus, Ohio 43229. See Section J of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Julie Endicott at Engineering@dnr.state.oh.us with the project number included in the subject line (no phone calls please). Questions will be answered and posted to the Opportunities page on the OFCC website at <http://ofcc.ohio.gov> on a regular basis until one week before the response deadline. The name of the party submitting a question will not be included on the Q&A document.

Project Overview

A. Project Description

Professional engineering services are being requested to provide engineering assessment and master planning services for the Kirkersville Feeder Canal, part of the Buckeye Lake State Park system and owned by Ohio Department of Natural Resources Division of Parks and Watercraft. The Kirkersville Feeder Canal begins on the southeast side of the Village of Kirkersville, in Licking County, and extends approximately 6 miles southeast to the western end of Buckeye Lake near the Village of Millersport, in Fairfield County. The Kirkersville Feeder Canal was originally constructed as a water supply to the Ohio & Erie Canal and in 1839 the feeder was constructed to introduce water from the South Fork Licking River to increase water supply to the lake. While the feeder no longer connects to the South Fork Licking River, it still serves as a vital water supply to Buckeye Lake. Incremental repairs have been made over time, however no major improvements have been made to the structure since its original construction.

The selected firm will provide master planning services which would include site assessment and documentation of existing conditions specifically noting deficiencies, design alternative analyses with associated cost estimates, and recommendations for prioritizing and phasing potential construction alternatives. The selected firm will be required to coordinate with local government, private groups, and property owners. In addition, design and construction administration services may be required to implement Interim Risk Reduction Measures (IRRM) while on-going master planning efforts are underway.

The intent of this project is to develop a facility-specific master plan utilizing a phased rehabilitation approach for use in conjunction with other facility plans so that ODNR can prioritize work on this structure with other ODNR related construction. Prioritizing the design and construction of IRRMs will allow for incremental improvements before funding is available for more comprehensive risk reduction measures. The study and report will initially focus on structural and water conveyance improvements to ensure proper and safe operation of the feeder. Environmental studies and improvements may be considered with input from local government and stakeholders.

If required, construction would be undertaken to ensure public safety and long-term performance as well as functional and aesthetic improvements as identified in the master plan. These improvements may be carried out under General Contracting, Design Build, or Construction Manager at Risk Delivery Methods. Selected IRRMs may also be constructed using ODNR construction crews and equipment. Familiarity with the latest innovative embankment, spillway, and construction technologies is required.

Through this selection process, ODNR contemplates engaging an Architect/Engineer (A/E) for master planning, site assessment, preliminary design, and potentially design and construction administration of selected IRRMs. However, the selected A/E's agreement (Agreement) may be extended and amended to add final design and construction administration work as capital appropriations are available in future Capital Bill legislation for a complete rehabilitation project.

B. Scope of Services

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The Scope of Services may include, but are not limited to; topographical and boundary surveys and analysis, performance of geotechnical investigations, performance of hydrologic, hydraulic, and flood routing analysis adding to and complimenting to studies already completed for the dam improvements project, identification and obtaining all necessary regulatory permits, assistance with addressing downstream/ upstream impacts and environmental issues, assistance in right of way acquisition, preliminary and final design services, determination of current estimates of probable construction costs through the design phase, and assistance with bidding and construction administration services. All work shall be performed in compliance with all applicable regulatory requirements, including Ohio Dam Safety Rules and Regulations.

The selected Architect/Engineer (A/E), as a portion of the required Scope of Services and prior to submitting its proposals, will discuss and clarify with the Owner and/or the Contracting Authority, the cost breakdown of the Architect/Engineer Agreement detailed cost components to address the Owner's project requirements. ODNR encourages proposing firms to identify and propose innovative alternative design concepts for the most effective and efficient use of ODNR's resources. The selected Architect/Engineer (A/E) will participate in the Encouraging Growth, Diversity & Equity (EDGE) Program as required by statute and the Agreement.

During the construction period, the selected A/E shall provide not less than 8 hours (excluding travel time) on-site construction administration services each week, including (1) attendance at progress meetings, (2) a written field report of each site visit, (3) on-site representation comprised of the A/E and its consultant staff involved in the primary design of the project, all having relevant and appropriate types of construction administration experience.

As required by the Agreement, and as properly authorized, the selected A/E shall provide the following categories of services: Study and Report Verification, Preliminary Design Stage, 50% Design Stage, 90% Design Stage, and 100% Design Stage, Construction Administration, Post-Construction, and Additional Services of all types.

All firms submitting a statement of qualifications will be eligible for award of contract for the Scope of Services described above. However, the selected A/E's Agreement may be extended and amended to add scope of work as capital appropriations are available in future Capital Bill legislation.

Refer to the Ohio Facilities Construction Manual for additional information about the type and extent of services required for each. A copy of the standard Architect/ Engineer Agreement can be obtained at the OFCC website at <http://ofcc.ohio.gov>.

For purposes of completing the Relevant Project Experience Matrix in Section F of the Statement of Qualifications (Form F110-330), below is a list of relevant scope of work requirements for this RFQ:

1. Experience with performing preliminary site investigation, master planning and project assessments, including recommendations for rehabilitation alternatives and associated cost estimates on dam, canal and other waterway projects.
2. Performance of hydrologic, hydraulic and flood routing analyses.
3. Performance of geotechnical analyses pertaining to earthen embankments and abutments, including seepage and stability analyses for earthen embankments.
4. Performance of structural analyses involving the integrity of concrete structures and sheet piling.
5. Knowledge of Ohio Dam Safety Laws and Rules and familiarity with regulatory and permitting agencies having authority over dam and water resources related projects, including extensive experience with environmental, waterway, and historical permitting.
6. Experience with design and construction administration of dam and water resources related projects including spillways, earthen embankments, canals, and waterways.
7. Experience in assessments of waterways, including but not limited to environmental assessments.
8. Experience in professional survey for heavy civil projects including topographic, bathymetric, right of way, and boundary surveys.
9. Experience working for state and/or other governmental agencies under professional services under General Contracting and alternative delivery methods.
10. Experience in outreach, communications, and public relations associated with large scale water resources projects.

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C. Estimated Budget / Funding

State Funding: \$400,000
 Other Funding: \$0
 Construction Cost: TBD
 Total Project Cost: TBD

D. Anticipated Schedule

Professional Services Start: 01 / 18
 Construction Notice to Proceed: TBD
 Substantial Completion of all Work: TBD
 Professional Services Completed: TBD

E. Estimated Basic Fee Range (see note below)

TBD

F. EDGE Participation Goal

Percent of initial Total A/E Fee: 5.0%

NOTE: **Basic Services** include: (1) Study and Report Verification, (2) Preliminary Design, (3) 50% Design, (4) 90% Design (5) 100% Design, (6) Bidding and Award OR GMP Proposal and Amendment (as applicable), (7) Construction Administration, and (8) Closeout services. The **Basic Fee** includes all professional design services and consultant services necessary for proper completion of the Basic Services, including validation of existing conditions (but not subsurface or hidden conditions) and preparation of cost estimates and design schedules for the project. **The Basic Fee excludes any Additional Services required for the project.**

G. Basic Service Providers Required (see note below)

Lead A/E Discipline: Engineering
 Secondary Civil Engineering
 Disciplines: Structural Engineering
Mechanical Engineering
Surveying

H. Additional Service Providers Required

Hydrologic and Hydraulic Services
Geotechnical Engineering/ Geology Services
Construction Administration
Field Testing/ Laboratory Testing
Environmental Engineering
Environmental/ Historical Permitting

NOTE: The lead A/E shall be (1) an architect registered pursuant to ORC Chapter 4703, (2) a landscape architect registered pursuant to ORC Chapter 4703, or a (3) professional engineer or (4) professional surveyor licensed pursuant to ORC Chapter 4733.

I. Evaluation Criteria for Selection

- Demonstrated ability to meet Owner's programmed project vision, scope, budget, and schedule on previous projects.
- Previous experience compatible with the proposed project (e.g., type, size).
- Relevant past work of prospective firm's proposed consultants.
- Past performance of prospective firm and its proposed consultants.
- Qualifications and experience of individuals directly involved with the project.
- Proposer's previous experience (numbers of projects, sizes of projects) when working with its proposed consultants.
- Experience and capabilities of creating or using Critical Path Method (CPM) schedules and of using CPM schedules as a project management resource.
- Approach to and success of using partnering and Alternative Dispute Resolution.
- Proximity of prospective firms to the project site.
- Experience with professional surveying and boundary analysis including local knowledge of the project area.
- Demonstrated permitting experience and expertise, including prequalification through ODOT for relevant ODOT Prequalification Categories related to environmental, waterway, and historical permitting services.
- Proposer's apparent resources and capacity to meet the needs of this project.
- The selected A/E and all its consultants must have the capability to use the internet within their normal business location(s) during normal business hours.

Interested A/E firms are required to submit the Commitment to Participate in the EDGE Business Assistance Program form in its Statement of Qualifications (Form F110-330) submitted in response to the RFQ, to indicate its intent to contract with and use EDGE-certified Business Enterprise(s), as a part of the A/E's team. The Intent to Contract and to Perform and / or waiver request letter and Demonstration of Good Faith Effort form(s) with complete documentation must be attached to the A/E's Technical Proposal. Both forms can be accessed via the OFCC website at <http://ofcc.ohio.gov>. The Intent to Contract and to Perform form is again required at the Fee Proposal stage.

For all Statements of Qualifications, please identify the EDGE-certified Business Enterprises, by name, which will participate in the delivery of the proposed professional services solicited in the RFQ.

J. Submittal Instructions

Firms are required to submit the current version of Statement of Qualifications (Form F110-330) available via the OFCC website at <http://ofcc.ohio.gov>.

Electronic submittals should be combined into one PDF file named with the project number listed on the RFQ and your firm's name. Use the "print" feature of Adobe Acrobat or similar software for creating a PDF rather than using a scanner. If possible, please reduce the file size of the PDF. In Acrobat, go to Advanced, then PDF Optimizer. Also, please label the CD or DVD and the sleeve with the project number and firm name if applicable.

Paper copies of the Statement of Qualifications, if requested, should be stapled only. Do not use special bindings or coverings of any type. Cover letters and transmittals are not necessary.

Facsimile copies of the Statement of Qualifications will not be accepted.

Firms are requested to identify professional registrations, memberships and credentials including: LEED GA, LEED AP, LEED AP+, CCCA, CCM, CCS, CDT, CPE, DBIA, and any other appropriate design and construction industry credentials. Identify that information on the resume page for individual in Block 22, Section E of the F110-330 form.

