

Request for Qualifications (Architect / Engineer - Dam Rehabilitation)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	Statewide Dam Rehabilitations FY23-24	Response Deadline	1/25/2023	4:00 PM	local time
Project Location	Statewide	Project Number	DNR-230066		
City / County	Various / Various	Project Manager	Hilovsky		
Owner	Ohio Department of Natural Resources	Contracting Authority	Local Agency		
Delivery Method	General Contracting	Prevailing Wages	State		
No. of paper copies requested (stapled, not bound)	0	No. of electronic copies requested (PDF)	1		

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Julie Endicott at engineering@dnr.state.oh.us. 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

As part of the Ohio Department of Natural Resources (ODNR) ongoing Statewide Dam Rehabilitation Initiative, ODNR is requesting professional engineering services to provide final design and construction stage services for statewide dam improvement projects.

Through this selection process, ODNR intends to select three (3) firms to receive contracts. It is not anticipated to award more than one (1) contract per firm. Firms will be given preference to select their contracts listed below based upon scoring results. It is the intent of the Contracting Authority to offer the highest scoring firm first choice, second highest scoring firm will be offered the second choice, remaining contracts will be awarded by the same selection method. The Contracting Authority reserves the right to consider other factors in the award of the contract, including site location, workload, firm experience, and capabilities. As scope and associated costs are solidified, projects of similar types, scope, and budget may be added or removed as ODNR initiatives and funding allow.

Guilford Lake Dam Rehabilitation

Guilford Lake Dam is a Class I dam located directly north of the Village of Guilford in Hanover Township, Columbiana County, Ohio in the middle of Guilford Lake State Park. Guilford Lake State Park is located approximately 28.8 miles east of Canton, Ohio. Guilford Lake Dam is an earthen embankment dam approximately 3,200 feet long with a maximum height of 34.5 feet. The dam was originally constructed in 1846 as a feeder reservoir for the Sandy-Beaver Canal. The dam does not meet current dam safety standards including insufficient capacity to safely pass the Probable Maximum Flood (PMF). The scope of work for this project includes a comprehensive risk reduction measure to rehabilitate the spillway, lake drain improvements, control seepage through the dam, and other access and public safety improvements. In addition, design alternative analysis will be completed by the selected firm to consider addressing safe passage of the PMF.

Nimisila Reservoir Dam Assessment and IRRM (Interim Risk Reduction Measures)

The Nimisila Reservoir Dam is a Class I dam located at Portage Lakes State Park, south of Akron, in Summit County, Ohio and is owned and operated by ODNR Division of Parks and Watercraft. Nimisila Reservoir Dam is an earthen embankment dam approximately 2,350 feet long on the main dam and 6,700 feet on the auxiliary embankment with a maximum height of 44 feet. This project involves design and construction of Interim Risk Reduction Measures (IRRM) identified in a previous assessment including riprap armoring of the auxiliary embankment (located along South Main Street), vegetation removal, and other site improvements. A dam assessment will also be conducted by the selected firm to investigate the toe drain system for the auxiliary embankment, which is a closed drainage system along South Main Street. The selected firm will provide recommendations for improvements to this system.

Adams Lake Dam Rehabilitation

Lake Adams Dam is a Class I earthen dam located in Tiffin Township in Adams County. The dam was constructed in 1947 and is 847 feet long and 35 feet high and is owned and operated by ODNR Division of Parks and Watercraft. The dam does

Request for Qualifications (Architect / Engineer - Dam Rehabilitation) continued

not meet current dam safety standards including insufficient capacity to safely pass the Probable Maximum Flood (PMF). The scope of work for this project includes a comprehensive risk reduction measure to rehabilitate the spillway, lake drain improvements, control seepage through the dam, and address safe passage of the PMF.

Lake Alma Dam Improvements

Lake Alma Dam is a Class I earthen dam located in Clinton Township in Vinton County and is owned and operated by ODNR Division of Parks and Watercraft. The dam was built in 1902 and is 1,500 feet long and 16.3 feet high. The dam does not meet current dam safety standards including insufficient capacity to safely pass the Probable Maximum Flood (PMF). The scope of work for this project includes a comprehensive risk reduction measure to rehabilitate the spillway, control seepage through the dam, and address safe passage of the PMF.

Broken Aro Slurry Pond No. 1 Decommissioning

Broken Aro Slurry Pond No. 1 Dam is a Class II earthen dam located in Virginia township in Coshocton County and is owned and operated by the ODNR Division of Wildlife. The dam is 705 feet long and 49 feet high. The dam has a variety of dam safety deficiencies and is currently planned for decommissioning. An assessment has previously been completed, and environmental permitting and remediation will be required as part of the decommissioning design services.

Kirkersville Feeder Canal Improvements

The Kirkersville Feeder Canal is approximately six (6) miles long and runs from the Village of Kirkersville and into Buckeye Lake. It is owned and operated by ODNR Division of Parks and Watercraft. The Feeder was constructed as part of the Ohio Erie Canal System after it became evident that Buckeye Lake's water storage was insufficient for the canal's demand. In 1839 it was decided to introduce the waters of South Fork Licking River from the west into Buckeye Lake through construction of a diversion dam and the Feeder. The South Fork diversion dam was removed around 1900, and the Feeder now primarily intercepts flows from the west and diverts them south and east into Buckeye Lake. The selected firm will utilize the 2022 Kirkersville Feeder Canal Master Plan to prioritize improvements utilizing the available funding. This project anticipates prioritizing overtopping protection and embankment stabilizations, armoring, access improvements, and rehabilitation. Additional improvements may be included if funding allows, and the A/E contract may be amended to accommodate any increases in scope.

Anticipated A/E Contract	Project	Location	Anticipated Design / Bid Schedule	Anticipated Construction Schedule	Design Budget	Construction Budget
1	Guilford Lake Dam Rehabilitation	Guilford Lake State Park	06/23 to 11/24	12/24 to 5/26	\$1,650,000	\$13,500,000*
	Nimisila Reservoir Dam Assessment and IRRM	Portage Lakes State Park	06/23 to 11/24	12/24 to 12/25	\$820,000	\$4,100,000*
2	Adams Lake Dam Rehabilitation	Adams Lake State Park	06/23 to 11/24	12/24 to 5/26	\$750,000	\$4,600,00*
	Lake Alma Dam Improvements	Lake Alma State Park	06/23 to 11/24	12/24 to 5/26	\$525,000	\$3,750,000*
3	Broken Aro Slurry Pond No. 1 Decommissioning	Woodbury Wildlife Area	06/23 to 11/24	12/24 to 12/25	\$200,000	\$1,000,000
	Kirkersville Canal Improvements	Buckeye Lake State Park	06/23 to 11/24	12/24 to 12/25	\$225,000	\$1,275,000

*Projected Construction Funding

While ODNR anticipates centralized services from the selected Consultant at the ODNR Fountain Square complex at 2045 Morse Road, Columbus, Ohio 43229, travel will be necessary to complete the services. For the purposes of scoring proximity to project site, the ODNR Fountain Square complex will be considered the project site.

Request for Qualifications (Architect / Engineer - Dam Rehabilitation) continued

B. Scope of Services

The selected firm shall use recently completed assessments of each facility to evaluate the proposed alternatives and develop a final design to bring the structure into compliance with current regulatory requirements. The selected firm shall update OM&Is and EAPs as necessary, apply for and obtain all necessary regulatory permits, maintain current estimates of probable construction costs through the design phase, and provide construction administration services. All work shall be performed in compliance with all applicable regulatory requirements, including Ohio Dam Safety rules and regulations.

For projects advertised with an appropriately developed Study and Report, upon award of the Agreement, commence with Study and Report Verification. For projects without such a Study and Report, upon award of the Agreement, commence by developing the Study and Report.

Relevant historical reports, assessments, inspections, and as-built drawings will be provided only to short listed firms. Additional documentation will not be provided during the initial RFQ phase of the selection process.

The selected A/E, as a portion of its 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. Participate in the Encouraging Growth, Diversity & Equity (EDGE) Program as required by statute and the Agreement.

As required by the Agreement, and as properly authorized, the selected A/E will provide the following categories of services: Study and Report, Study and Report Verification, Preliminary Design, 50% Design, 90% Design, 100% Design (Construction Document Preparation), Bid and Award Support or GMP Proposal and Amendment (as applicable), Conformed Documents, Construction Administration, Post-Construction, and Additional Services of all types.

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 Agreement can be obtained at the OFCC website at <http://ofcc.ohio.gov>.

During the construction period, provide not less than 40 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.

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. Performance of hydrologic, hydraulic, and flood routing analyses.
2. Performance of geotechnical analyses pertaining to earthen embankments and abutments.
3. Performance of structural analyses involving the integrity of concrete structures.
4. Performance of seepage and stability analyses for earthen embankments.
5. Knowledge of Ohio Dam Safety Laws and Rules and of regulatory and permitting requirements for dam and water resources related projects.
6. Experience with surveying for dam-related projects including topographic, bathymetric, and boundary surveys.
7. Experience in design and construction administration for dam rehabilitation projects.
8. Development of Emergency Action Plans and Operation, Maintenance & Inspection manuals, in accordance with OAC 1501:21-21-04.
9. Experience with environmental permitting and remediation.
10. Experience with stakeholder communications and public information associated with large heavy civil projects.

C. Estimated Budget / Funding

State Funding:	<u>\$6,445,000</u>
Other Funding:	<u>\$0.00</u>
Construction Cost:	<u>\$23,625,000 (Projected)</u>
Total Project Cost:	<u>\$27,975,000 (Projected)</u>

D. Anticipated Schedule

Professional Services Start:	<u>06 / 23</u>
Construction Notice to Proceed:	<u>12 / 24</u>
Substantial Completion of all Work:	<u>TBD</u>
Professional Services Completed:	<u>TBD</u>

E. Estimated Basic Fee Range (see note below)

8.0% to 10.0%

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.

Request for Qualifications (Architect / Engineer - Dam Rehabilitation) continued

The **Estimated Basic Fee** Range is calculated as a percentage of the **Estimated Budget for Construction Cost** above, including the Owner's contingency. The **Basic Fee excludes any Additional Services** required for the project.

G. Basic Service Providers Required (see note below)

Lead A/E Discipline:	<u>Civil Engineering</u>
Secondary	<u>Geotechnical Engineering</u>
Disciplines:	<u>Hydrologic and Hydraulic Services</u>
	<u>Structural Engineering</u>
	<u>Construction Administration</u>
	<u>Mechanical Engineering</u>

H. Additional Service Providers Required

<u>Surveying</u>
<u>Field Testing/Laboratory Services</u>
<u>Geotechnical Services</u>
<u>Environmental Services</u>
<u>Archaeological Services</u>

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.
- Specification writing credentials and experience.
- 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.
- 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.

If the A/E firm intends to receive points for exceeding the EDGE Participation Goal, it must provide BOTH a completed *Commitment to Participate* form AND a completed *Statement of Intent to Contract and to Perform* forms signed by both parties with its *Statement of Qualifications*.

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.

Interested A/E firms must indicate on their *Statement of Qualifications*, the locations where their services will be performed in the spaces provided or by attachment in accordance with the requirements of Executive Order 2019-12D related to providing services only within the United States and the requirements of Executive Order 2022-02D prohibiting purchases from or investment in any Russian institution or company. Failure to do so may cause their *Statement of Qualifications* to be rejected.

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.

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.

Architect / Engineer Selection Rating Form (Dam Rehabilitation)

State of Ohio Standard Forms and Documents

Project Name Statewide Dam Rehabilitations FY23-24 Proposer Firm _____
 Project Number DNR-230066 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location, Workload and Size (Maximum 10 points)			
a. Proximity of firm to project site	Less than 130 miles	5	
	130 miles to 150 miles	2	
	More than 150 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$5,000,000	2	
	\$5,000,000 to \$10,000,000	1	
	More than \$10,000,000	0	
c. Number of licensed professionals	Less than 3 professionals	1	Max = 3
	3 to 7 professionals	2	
	More than 7 professionals	3	
2. Primary Firm Qualifications (Maximum 30 points)			
a. Project management lead	Experience / ability of project manager to manage scope / budget / schedule / quality	0 - 10	Max = 20
b. Project design lead	Experience / creativity of project designer to achieve owner's vision and requirements	0 - 5	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 10	
d. Construction administration staff	Experience / ability of field representative to identify and solve issues during construction	0 - 5	
3. Key Consultant Qualifications (Maximum 20 points)			
a. Key discipline leads	Experience / ability of key consultants to perform effectively and collaboratively	0 - 15	
b. Proposed EDGE-certified Consultant participation*	One point for every 2 percent increase in professional services over the EDGE participation goal	0 - 5	
4. Overall Team Qualifications (Maximum 10 points)			
a. Previous team collaboration	Less than 2 sample projects	1	Max = 3
	2 to 4 sample projects	2	
	More than 4 sample projects	3	
b. Experience with projects subject to Ohio Dam Safety regulations (ORC Section 1521.06 et al)	Less than 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
c. Team organization	Clarity of responsibility / communication demonstrated by table of organization	0 - 2	
5. Overall Team Experience (Maximum 30 points)			
a. Previous team performance	Past performance as indicated by evaluations and letters of reference	0 - 10	
b. Experience with similar projects / delivery methods	Less than 3 projects	0 - 3	
	3 to 3 projects	4 - 6	
	More than 6 projects	7 - 10	
c. Budget and schedule management	Performance in completing projects within original construction budget and schedule	0 - 5	
d. Knowledge of Ohio Capital Improvements process	Less than 4 projects	0 - 1	
	4 to 7 projects	2 - 3	
	More than 7 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____

Date _____