



John R. Kasich / Governor
State of Ohio

David Williamson / Executive Director
Ohio Facilities Construction Commission



OHIO FACILITIES CONSTRUCTION COMMISSION

Ohio Register

Information of Interest for the
Architectural, Engineering and Construction Industry

Issue Number 271

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Response Deadline:

Varies by project

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Ohio Register General Information and Requirements

State of Ohio Standard Forms and Documents

General Requirements for Submittals of the Statement of Qualifications

Firms are required to submit the current State of Ohio version of Statement of Qualifications (Form F110-330) available via the Ohio Facilities Construction Commission (OFCC) website at <http://ofcc.ohio.gov>. The Federal version of the SF330 form will not be accepted.

Cover letters and transmittals are not necessary. Please place the appropriate project number in the space provided on the form.

Due to limited storage space, we request that paper copies, if requested, be stapled and please refrain from submitting three-ring binders, spiral binders and booklets. OFCC requests that supplemental material not be submitted with the Statement of Qualifications. The use of a computerized or typed Statement of Qualifications form is preferred.

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 Professional or similar software for creating a PDF rather than using a scanner. If possible, please reduce the file size of the PDF. In Adobe Acrobat Professional, go to Advanced, then PDF Optimizer. Also, please label the CD and the CD cover with the project number and firm name.

Facsimile or e-mailed copies of the Statement of Qualifications will not be accepted.

Reminders

OFCC no longer requires an annual submittal of Part II of the Statement of Qualifications form for professional design services. However, professional design firms and construction managers responding to a request for qualifications for State of Ohio projects must submit Part II of the Statement of Qualifications (Form F110-330) for each firm on its team.

Form F110-330 (Statement of Qualifications) officially replaced both the ADM-0255 and ADM-0254 forms on March 1, 2008. The ADM-0255 and ADM-0254 forms are no longer accepted.

ORC 9.24 – Auditor of State Unresolved Findings for Recovery

Effective June 1, 2004, Ohio Revised Code (ORC) 9.24 prohibits the State of Ohio from awarding a contract to any individual or organization against whom the [Auditor of State](#) has issued a findings for recovery if the findings for recovery is unresolved at the time of award of contract.

EDGE Participation Required on State Design and Construction Projects

The Encouraging Diversity, Growth and Equity (EDGE) program became law July 1, 2003, when Section 123.152 of the Ohio Revised Code was enacted. The program creates a business development program for economically and socially disadvantaged Ohio businesses.

The EDGE business participation goal is usually 5 percent. Proposers for professional services agreements as well as Bidders on construction contracts must demonstrate actual participation in the EDGE program, or provide a demonstration of their good faith efforts (with a letter requesting a waiver of the advertised EDGE participation goal on its letterhead and supporting evidence) to participate in the EDGE program, or both, as indicated in the Ohio Revised Code (123.152) and the Ohio Administrative Code (123:2-16-09).

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 the name that will participate in the delivery of the proposed professional services solicited in the RFQ.

To learn more about the qualifications for EDGE certification, the process to become an EDGE-certified business, and to find existing EDGE-certified businesses, go to <http://EDGE.ohio.gov>.

Ohio Ethics Law Provision

All professionals that submit or intend to submit proposals for consideration of a contract for professional design services with the state of Ohio are reminded that, as applicable, no sole proprietor, partner, shareholder or other principal of the Architect/Engineer or the spouse of such principal has made, as an individual, at any time within the two previous calendar years, one or more contributions totaling in excess of \$1,000.00 to the Governor or to the Governor's campaign committee, consistent with Section 3517.13 of the Ohio Revised Code.

Best Value Selection (BVS) Requests for Qualifications

"Best Value Selection" (BVS) is a selection process in which proposals contain both pricing and performance components, and award is based upon a combination of pricing and performance considerations to determine the offer deemed most advantageous and of the greatest value to the public authority.

For the...Construction Manager at Risk provider (CM); Design Builder (DB) and Energy Performance Contracting provider.

Sign Up

Sign up for [RFQ and/or Construction Bidding e-mail notifications](#). Note: If you are already signed up and are not receiving notifications, please check your spam folder to "unblock" the e-mail notifications.

Page last updated: March 31, 2016

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Project Cost (Est.)	Q&A/ Misc	Short List (*Selected Firm)
03/31/2016	04/19/2016	DRC-16F077	Ohio Department of Rehabilitation and Correction	Population Management Fence Project	DB	\$12,500,000	N/A	TBD
03/10/2016	04/11/2016	SFC-160392	Reading Community City School District	Reading Community CSD	CMR	\$50,972,401	N/A	TBD
02/26/2016	04/07/2016	UCN-15038A	University of Cincinnati	UCBA - Muntz Rehabilitation, Phases 1-4	CMR	\$59,600,000	NEW Q&A	TBD
03/07/2016	03/24/2016	OSU-150382	The Ohio State University	Rec Facilities - Install IP-Based Cameras	DB	\$305,491	N/A	TBD

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Project Cost (Est.)	Q&A/ Misc	Short List (*Selected Firm)
02/19/2016	03/21/2016	SFC-160391	Chillicothe City School District	Chillicothe City School District - CFAP	CMR	\$46,705,261	N/A	TBD
02/08/2016	03/14/2016	SFC-160396	Harrison Hills City Schools	Harrison Hills New PK-12 Project	CMR	\$44,947,580	<ul style="list-style-type: none"> •Q&A •Geo Report 	Hammond Construction Skanska USA Robertson Construction
12/23/2015	03/11/2016	DRC-15N001	Department of Rehabilitation and Correction	Energy Conservation Project - Chillicothe Correctional Institution	Energy	TBD	<ul style="list-style-type: none"> •Meeting Minutes •Addendum •Q&A •Additional Docs 	TBD
02/17/2016	03/04/2016	OSU-160235	The Ohio State University	Doan - Precert Office Renovation	DB	\$490,000	N/A	TBD
01/19/2016	02/19/2016	SFC-160393	Chippewa Local School District	Chippewa New 7-12 MS/HS	CMR	\$28,050,778	N/A	CT Taylor Co. Ruhlin Co. Hammond Construction
01/12/2016	02/12/2016	DYS-160143	Department of Youth Services	CJCF Housing Building Replacement	CMR	\$23,969,412	Q&A	Regency/Shook Robertson Construction Services *Smoot Construction
01/12/2016	02/12/2016	SFC-160394	Champion Local School District	Champion LSD PK-8	CMR	\$31,344,141.83	N/A	*Hammond Construction

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Project Cost (Est.)	Q&A/ Misc	Short List (*Selected Firm)
								ICON construction Solutions Skanska USA Building Inc.
01/11/2016	01/25/2016	OSU-160247	The Ohio State University	Dodd Hall Chiller Replacement	DB	\$599,350	N/A	TBD
01/04/2016	01/18/2016	DOT-160001	Department of Transportation	ODOT Rest Areas - Wood Co.	DB	TBD	Q&A	Lathrop Co. Spieker Co. Robertson Construction Services
12/14/2015	01/18/2016	MUN-100062	Miami University	New Residence Halls 2018	CMR	\$84,000,000	N/A	TBD
12/08/2015	01/08/2016	OSU-150447	The Ohio State University	Knowlton - Window Modifications	DB	\$270,000	N/A	TBD

Qualifications-based Selection (QBS) Requests for Qualifications

"Qualifications-based Selection" (QBS) refers to a procurement process used by state agencies, institutions of higher education and school districts for the selection of Architect/Engineer (A/E) and A/E services for public construction projects. It is a competitive contract procurement process whereby professional design firms submit qualifications to the public owner who evaluates and selects the most qualified firm, and then negotiates the project scope of work, schedule, budget and fees.

For the...Architect/Engineer (A/E); Construction Manager Agent (CMA); Owner Agent (OA); Criteria A/E (C-A/E); Commissioning Services (Cx) provider; and Specialty Consultant/Planning (SC) provider.

Sign Up

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Page last updated: April 4, 2016

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Estimated Project Cost	Q&A	Short List (*Selected Firm)
03/29/2016	04/22/2016	SFC-TBD2	Clear Fork Valley Local School District	CFVLSD New Elementary Schools	A/E	\$25,599,229 (not including LFIs)	N/A	TBD
03/28/2016	04/22/2016	YSU-PREQUAL	Youngstown State University	General Qualifications for Prequalification List of Professional Services - 330	A/E	Varies	N/A	TBD
03/29/2016	04/15/2016	DNR-160078	Ohio Department of Natural Resources	Indian Lake State Park Campground Pool	A/E	\$1,500,000	N/A	TBD

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Estimated Project Cost	Q&A	Short List (*Selected Firm)
03/17/2016	04/15/2016	SFC-160398	Global Impact STEM Academy	Global Impact STEM Academy	C-A/E	\$6,303,844	Q&A	TBD
03/29/2016	04/14/2016	OSU-160422	The Ohio State University	UH East Tower - Elevator 10-11	A/E	\$1,490,345	N/A	TBD
03/21/2016	04/13/2016	DNR-160075	Ohio Department of Natural Resources	Statewide Technical Services FY 17-18	A/E	TBD	N/A	TBD
03/23/2016	04/11/2016	TBD-Rolling Hills	Rolling Hills Local School District	Architectural Pre-Bond Issue Assistance Service	A/E	TBD	N/A	TBD
03/16/2016	04/06/2016	SFC-150888	Various	Claims Evaluation Services	SC	Varies	Q&A	TBD
03/14/2016	04/01/2016	DNR-160068	Ohio Department of Natural Resources	Catawba Island Boating Access Renovations	A/E	\$2,000,000	N/A	TBD
03/07/2016	04/01/2016	DNR-160070	Ohio Department of Natural Resources	Muskingum River Locks and Dams Assessments and Improvements	A/E	\$3,500,000	Q&A	TBD
03/16/2016	03/31/2016	MTC 16-001	Marion Technical College	Cadaver Lab	A/E	\$500,000	N/A	TBD
03/07/2016	03/25/2016	DNR-160066	Ohio Department of Natural Resources	Little Killbuck Creek Invasive Species Closure	A/E	\$5,250,000	Q&A	TBD
03/07/2016	03/25/2016	DNR-150013	Ohio Department of Natural Resources	Roadway Infrastructure Assessment	A/E	\$150,000	N/A	TBD
03/02/2016	03/24/2016	OSU-160302	The Ohio State University	Rhodes Hall - Public Restroom Renovation	A/E	\$1,179,533	N/A	TBD
02/24/2016	03/24/2016	UCN-16152C	University of Cincinnati	College of Law - New Building	A/E	\$76,000,000	Q&A	TBD

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Estimated Project Cost	Q&A	Short List (*Selected Firm)
03/01/2016	03/22/2016	OSU-160380	The Ohio State University	Wexner Medical Center - 72-Bed Build Out	A/E	\$58,496,460	Q&A	TBD
02/24/2016	03/21/2016	SFC-TBD	Carrollton Exempted Village School District	Carrollton New 9-12 School	A/E	\$23,748,964	Q&A	TBD
02/26/2016	03/18/2016	BGU-166184	Bowling Green State University	Regional Architectural Services Provider	A/E	Varies	Q&A	TBD
02/03/2016	03/09/2016	OHU-151910	Ohio University	Permanent Boiler Project	CxA	\$16,000,000	N/A	TBD
02/01/2016	03/02/2016	SFC-150888	Various K-12 School Districts	OFCC Educational Planning Consultant List	SC	Varies	N/A	Frank Locker, Inc. Harrison Planning Group SHP Leading Design Warner Concepts, LLC
02/09/2016	03/01/2016	OSU-160388	The Ohio State University	680 Ackerman - Pathology Lab	A/E	\$11,300,000	N/A	TBD
02/11/2016	02/29/2016	OSU-160054	The Ohio State University	Newark - Residence Hall	CxA	\$12,900,000	N/A	TBD
02/11/2016	02/29/2016	BGU-166176	Bowling Green State University	Residence Life Masonry Pointing - FY16	A/E	\$2,000,000	N/A	*Carl Walker, Inc.

Publish Date	Due Date	Project Number	Owner	Project Name	Primary Service	Estimated Project Cost	Q&A	Short List (*Selected Firm)
01/25/2016	02/19/2016	SFC-160391	Chillicothe City School District	Chillicothe City School District - CFAP	A/E	\$46,705,261	N/A	NEW *SHP Leading Design VSWC Architects BSHM Architects
01/21/2016	02/05/2016	OSU-150637	The Ohio State University	Covelli Multi-Sport Arena	CxA	\$30,000,000	N/A	TBD
01/21/2016	02/05/2016	OSU-150638	The Ohio State University	Student Athlete Development Center	CxA	\$32,000,000	N/A	TBD
01/21/2016	02/04/2016	OSU-150019 Repost	The Ohio State University	Wooster Farm Operations Improvements	A/E	\$4,200,000	N/A	TBD
01/14/2016	01/29/2016	SFC-160392	Reading Community City School District	Reading Community CSD	A/E	\$50,972,401	Q&A	*VSWC Architects BSHM Architects SFA Architects
01/08/2016	01/27/2016	OHU-2014-001	Ohio University	Basic Renovation - Prequalification List	A/E	TBD	Q&A	TBD

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Regional Architectural Services Provider Project Number BGU-166184
Project Location Bowling Green State University

Date posted: March 3, 2016

Date revised: [If needed]

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. The RFQ does not appear to include firms who provide geotechnical/environmental/materials testing, consulting-engineering services. Are these firm not included within the scope of this request, and if not, will there be a similar RFQ for firms such as ours who provide these services?
 - A. At this time we are only soliciting qualifications for Architectural services located within a specific geographic area. We are not planning on pre-qualifying the services you described as typically they are of a dollar value that we can award directly (less than \$50,000).
2. The RFQ states that the intent is for A/E providers in a certain proximity and goes on to state various counties where accepted service providers must have a main office located. Is this an exclusive requirement or are A/E providers outside of the named counties eligible to submit on this RFQ? And if so, will there be a separate RFQ for providers outside of this RFQ's range?
 - A. Firms responding Regional Architectural Services Provider RFQ must be located within the Ohio specifically listed. The reason for this involves the types of projects that are covered by this RFQ, which are smallish in size. Because of projects being small, an architectural firm's proximity to campus becomes important due to travel costs being less. The maximum fee for projects being eligible to use firms selected through this RFQ is only \$75,000.00. Anything amount greater and BGSU will procure architectural services through separate RFQ's.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Regional Architectural Services Provider Project Number BGU-166184
Project Location Bowling Green State University

Date posted: March 3, 2016

Date revised: March 7, 2016

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. The RFQ does not appear to include firms who provide geotechnical/environmental/materials testing, consulting-engineering services. Are these firm not included within the scope of this request, and if not, will there be a similar RFQ for firms such as ours who provide these services?
 - A. At this time we are only soliciting qualifications for Architectural services located within a specific geographic area. We are not planning on pre-qualifying the services you described as typically they are of a dollar value that we can award directly (less than \$50,000).
2. The RFQ states that the intent is for A/E providers in a certain proximity and goes on to state various counties where accepted service providers must have a main office located. Is this an exclusive requirement or are A/E providers outside of the named counties eligible to submit on this RFQ? And if so, will there be a separate RFQ for providers outside of this RFQ's range?
 - A. Firms responding Regional Architectural Services Provider RFQ must be located within the Ohio specifically listed. The reason for this involves the types of projects that are covered by this RFQ, which are smallish in size. Because of projects being small, an architectural firm's proximity to campus becomes important due to travel costs being less. The maximum fee for projects being eligible to use firms selected through this RFQ is only \$75,000.00. Anything amount greater and BGSU will procure architectural services through separate RFQ's.
3. If firms desire to submit only their qualifications for one of the Secondary Services listed (non-Architecture), do they also need to be located within one of the Ohio counties referenced in the RFQ?
 - A. Respondents to this RFQ shall be either an architectural firm or landscape architectural firm and must be located within the counties identified. Secondary services firms are not being considered at this time.

RFP Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Energy Conservation Project-
DRC: Chillicothe Corrections Institution Project Number DRC-15N001
Project Location Chillicothe, Ross County

Date posted: 1/6/2016
Date revised: 3/4/2016

Below are the questions that have been received to date for the RFP of the above-referenced project:

1. If you would like to participate in the pre-proposal meeting, the company and employee names of all those to be included must be sent to the RFP Q&A email by January 11, 2016, in accordance with Part 2 Section 2.4 of the RFP.
 - A. Send company information & all attendee's names to CCI.questions@ofcc.ohio.gov.
2. Questions
 - I. If possible, please provide any maps or drawings in advance of the scheduled walkthrough visits during the week of January 18th. The following are listed in order of importance.
 - Campus map with building labels
 - Fire escape plans for each building and each room (important for lighting surveys, as these are typically more up to date than construction drawings)
 - HVAC equipment list
 - II. If possible please provide drawings of each building on campus, including:
 - Site utilities (steam, natural gas, water, electric, sewer, etc.)
 - Building mechanical drawings
 - Building plumbing drawings
 - Building electrical/lighting drawings
 - Power house mechanical, electrical and plumbing drawings
 - Exterior/fence electrical/lighting drawings
 - Modifications since initial construction
 - Any other drawings if available
 - III. If possible, please provide the following information:
 - Boiler plant daily records: monthly summary with daily information is sufficient
 - Sample utility bills for electricity, natural gas and sewer from within the past six months
 - List of building square footages
 - IV. Is there a walkthrough day designated for water savings?
 - A. We are gathering all available plans/ drawings and plan to provide the files electronically during the pre-proposal meeting January 13, 2016.
~~We are working with the institution to gather the remaining requests.~~
The remaining requests have been added as attachments to the RFP.
There will not be a walkthrough designated for water savings, the institution does not pay water or sewage charges.
3. Is it appropriate for non- ESCO companies to have representatives attend the pre- proposal meeting on 1/13/2016.
 - A. The pre-proposal meeting is open to all interested parties.

4. Will there be live video streaming for the pre-proposal meeting to be held on Wednesday January 13, 2016?

A. There will not be any video streaming available.

5. I. Can the details of the new electric supply contract that goes into effect 12/16 be provided?

- a. Is this contract for generation only?
- b. Does this contract by-pass AEP’s transmission and distribution charges?
- c. Which electric accounts does the new contract cover?

II. Can you provide one full copy of each electric and natural gas account for one month?

III. Page 5 section 2.3 of the DRC – 15N001 states the following

“The Offeror should attempt to maximize energy savings and financial benefit through energy conservation measures and water conservation at the Site. Savings for energy conservation measures may be claimed over a period not to exceed the useful life of the equipment that is installed or modified. Savings for O&M measures may be claimed for a maximum of five years, and shall not be amortized over the term of the contract. Measures that create verifiable operational and maintenance (O&M) savings, Investigate the cause of poor water quality that reduces the serviceable life of the plumbing fixtures and investigate any water quality issues before any water savings measures are implemented.”

Question(s): Given that the response table exhibits only provide for a 10 year term

- a. How can we claim savings for energy conservation measures over a period not to exceed the useful life of the equipment? Many equipment items life is well beyond 10 years and the tables provided only include 10 years.
- b. When will the O&M data be provided? Labor, equipment repair costs, materials, purchased services, etc... listed by year with descriptions and values?
- c. Will capital cost savings be incorporated into the savings justification for this project to provide for realistic payback for non-energy savings items like poor serviceable plumbing conditions and poor water quality issues since water expenses were not provided?
- d. Will planned capital cost plans be provided?

A. Answers

I. The new electric supply contract is for generation only, there will be no impact to AEP transmission and distribution charges, or any other non-generation charges. The contract applies to the following accounts:

Utility Company	Service Address	Service ID	Account #
AEP Ohio	15802 State Route 104 Scioto Twp.	Main ^[1]	106-410-249-0-5
AEP Ohio	15802 State Route 104	Perimeter	104-134-918-0-3
AEP Ohio	15800 State Route 104 Scioto Twp.	Rear Gate	106-576-411-1-3
AEP Ohio	15433 State Route 104 Scioto Twp.	Garage/ Maintenance Bldg.	100-376-411-1-4
AEP Ohio	15802 State Route 104	Range	109-261-101-0-6
AEP Ohio	15435 State Route 104 Scioto Twp.	Hammack Hall	103-476-411-1-9

II. ~~Utility bill copies for the remaining accounts are being collected.~~

Attachment 16a has been updated to include one bill for each electric and natural gas account.

^[1] The additional high mast fixtures the institution is installing will be added to this account.

- III.
 - a. Addendum ~~to be~~ provided for clarification.
 - b. We are working to collect O&M data, internal labor costs will not be included and cannot count toward cost savings. ~~We plan to have this information available by Monday January 25, 2016. The institution is still working to collect the data, it will be made available as soon as possible via addendum.~~
O&M costs have been provided via Addendum No. 3, as Attachment 16i- Operation & Maintenance Data.
 - c & d. Capital avoidance is not acceptable for cost savings.

6. How to sign-up for walkthrough days? Are pictures allowed?

- A. The procedure for the pre-proposal meeting will be used for the walkthrough days as well. Names of all attendees to participate in the walkthroughs for all three days must be sent to CCI.questions@ofcc.ohio.gov before the end of business Friday 1/15/2016. Please include in the email a list of people for each day separately.

Cell phones will be allowed for the purposes of taking photos of specific equipment or conditions within the institution. Only one phone per group is allowed. With the list of people to attend each day include who will be bringing in a cell phone, as well as the make and serial number of the phone to be used. The photos taken will be reviewed prior to exiting the institution. Be mindful when taking pictures as no inmates can be included in photos.

7. Since we could not attend yesterday's Pre-Proposal meeting, we want to know if our company may still be considered for this business opportunity and being able to participate starting with next week's walkthroughs.

- A. Pre-proposal attendance is not required to participate in the walkthroughs. However, see above for requirements to attend.

8. Will the Water and Wastewater Treatment Plant be considered as part of the scope? Will you allow ECM improvements to be considered for these two plants?

- A. Cost savings with utilities (electricity or natural gas) and/ or operations & maintenance can be included in a proposal, unless otherwise noted. If these options are available at the water and wastewater treatment plants the ECM improvements can be considered.

Additional clarification:

Water & sewer savings- no

Electric & gas savings- yes

9. Questions

- I. Is there boiler stack test data available showing O₂% and temperature at various operating loads for all boilers?
- II. Are there powerhouse logs available showing daily readings of steam generation, gas use, exhaust temperatures, makeup water use, etc.?
- III. Can the boiler chart recorders be made available?
- IV. Is there any asbestos at the facility? If yes, does the cost of the ECM need to include asbestos abatement?
- V. In an effort to meet the expected 10 year term, will the evaluation team accept a steam elimination concept that reuses some radiators and steam piping? If so, are these reused radiators and steam piping a liability to the ESCO for the 10 year term?

A. **Answers**

- I. We are gathering all available boiler operation data for the past 6 months. ~~We plan to provide this information as soon as possible via Addendum.~~
The operation data has been added to the RFP via Addendum No. 1 and Attachment 16i- Engineer's Daily Logs.

II. The powerhouse logs for fuel use have already been added to the RFP as Attachment 49 16d. Additional boiler details will be provided in the boiler reports mentioned above. Generator run time reports for January through ~~November~~ December 2015 ~~will be been added to the RFP via Addendum when all requested reports are available~~ have been added to the RFP as Attachment 16e via Addendum No. 1. Generator fuel & testing reports have also been added to the RFP as Attachment 16f via Addendum No. 1. These are the available generator reports.

III. Refer to point I.

IV. The institution has been asked if there is any asbestos at the facility. ~~If there is any known asbestos the information will be shared.~~ Please refer to the General Conditions section 6.11.6 Work Stoppage Due to Hazardous Materials for more information.

CCI underwent a major asbestos abatement project in the past and is currently under contract with Ohio Penal Industries to abate any and all asbestos remaining in the facility.

V. Many of the radiators are at the end of their life and cannot be reused. The piping would require a redesign to work for a hot water system.

10. Will the pre-proposal meeting sign-in sheet be made available?

A. The pre-proposal meeting minutes and sign-in sheet has been posted to the OFCC website with the other project files under "Meeting Minutes" (by the Q&A link).

11. Questions

I. What is the chemical cost for steam?

II. How many showerheads are there per building?

III. What is the flow rate per showerhead? GPM?

IV. What is the spend on replacement parts for segregation units for the Acorn/Metcraft pneumatic sink manifolds?

V. Section 12 Financial Requirements of the RFP state an Offeror must provide audited financial statements for the past 3 most recently completed fiscal years. Since this can be voluminous, is it acceptable to put the financial information on a CD and submit it as part of the response?

VI. Can additional walk-thru dates be established to permit more time to thoroughly audit the correctional facility?

A. **Answers**

I. ~~We are working with the institution regarding this request.~~

Approximately \$23,608.20 is spent annually on chemicals for the boilers in the power plant.

II. The count of showerheads is not known.

III. Flow rate per showerhead is not known, however per the RFP no water savings are applicable to this project.

IV. Operation and maintenance costs are already being collected per question (5).

V. This is acceptable.

VI. We are discussing scheduling an additional walkthrough day with the institution.

An additional walkthrough date will be provided on Thursday, February 18, 2016, 9:00 am – 3:00 pm (meet in lobby). The same institution rules as the original walkthrough dates apply. To attend this meeting and ensure the desired areas are seen, please provide the following by Tuesday, February 16th at 12:00 noon to the Q&A email (CCI.questions@ofcc.ohio.gov):

Company name

Names of everyone to attend

All areas/ buildings desired to be seen

(This additional date has been added to the RFP, Part 1.)

12. Can we get a four year (on cycle) of chemical analysis of well water for all three wells and one year of chemical analysis of boiler feed make up water?

A. ~~We are working with the institution regarding this request.~~

Attachment 16k- Well Water Chemical Analysis Reports, has been added to the RFP. This is the available data for the well water. Water evaporated is reported in Attachment 16i- Engineer's Daily Logs.

13. Questions

I. Has the OFCC discussed with ODRC headquarters any potential capital improvements that would or could affect the development of this project? For example; During the Marion Correctional project it was decided after proposals were submitted and a selection was made that the State would be replacing all steam kitchen equipment. Had we been provided that information during our development our proposal would have been significantly different. Therefore, can you please share with us any and all capital improvements that are slated for this institution that may affect each item from Attachment 2? Site Information: List of possible ECM's identified by owner. For instance, it was mentioned during the walk-through that the facility had plans to replace the condensate receiver tanks and the de-aerator. Can you confirm?

II. Given interest rates for State of Ohio credit would be somewhere around 2.0 or less. Along with the Marion project just receiving the low rate of 1.97%. Developing the project with a 4.25% APR is extremely high. This dramatically effects the amount of scope we can include and ultimately depicts a false display of the potential overall project. A rate of around 2.25% may be a closer representation of the project that would actually be delivered. Would you consider this more representative rate?

III. Is it the understanding that if there are other requests for site visits; ALL firms will be notified and afforded the same opportunity to visit the site?

IV. In the Q&A document question #8. A. states scope and savings can be realized at the treatment plants. However, in the pre-bid meeting it was stated several times these plants were NOT included in the project, please clarify.

V. During our electrical/lighting tour the head electrician, Kenny Tipton told us they would be supplying all companies with the lighting counts so everyone was quoting the same quantities? We will also need burn hours.

A. **Answers**

I. The condensate receiver tank and de-aerator are being replaced.

The institution assessment and master planning were used to develop the RFP. However, additional capital plans have been added via Addendum No. 2.

Two additional proposed plans have been added via Addendum No. 3.

II. In order to provide a level basis of comparison, all offerors are asked to scope a project financed at 4.25%. With current market conditions, it is possible that the actual interest rate will be lower. At their option, offerors may provide with their proposal an alternate scope of work that would be affordable at a different interest rate.

- III. Any additional walk through dates ~~will be~~ have been shared with everyone via Addendum No. 2.
- IV. As stated above and previously, the water and waste water treatment plants can be included in the scope. However, no water savings (gallons of water saved) are allowed. Please refer to question (8) for more details.
- V. A general lighting assessment was completed by the institution. The assessment has been added to the RFP as Attachment 16j- Lighting Assessment. There is also information available in the RFP Attachment 02- Site Information, any other information must be estimated by the Offeror.

14. Questions

- I. What steam pressures are the buildings operating at?
- II. How much condensate return do they estimate they are getting back to the plant?
- III. Do they meter their makeup water separately, if so what is their usage?
- IV. How much money are they spending on chemicals?
- V. When was maintenance on radiator traps last performed?
- VI. How many stationary engineers do they employ, and what is an approximate salary?
- VII. Can the stationary engineer be in charge of trap maintenance if we only run the large boilers for 6 months out of the year?

A. Answers

- I. ~~We are working with the institution regarding this question.~~
Steam pressure leaves the power plant is ~100 pounds (refer to Attachment 16i- Engineer's Daily Logs for details). Pressure is reduced between 10-18 pounds at various buildings.
- II. ~~We are working with the institution regarding this question.~~
The institution estimates approximately 55-60% of the condensate returns to the plant. Refer to Attachment 16h- Water Softener Daily Logs & Attachment 16i- Engineer's Daily Logs for details.
- III. ~~We are working with the institution regarding this question.~~
Refer to Attachment 16h- Water Softener Daily Logs & Attachment 16i- Engineer's Daily Logs.
- IV. ~~This information will be included in the O&M data being collected.~~
See question 11 point I.
- V. ~~We are working with the institution regarding this question.~~
Routine preventative maintenance on radiator traps is not scheduled, maintenance is completed as needed on an on-going basis.
- VI. ~~We are working with the institution regarding this question.~~
There are six (6) stationary engineers assigned to the power plant and one power plant manager. The stationary engineers start at \$18.16 per hour.
- VII. ~~We are working with the institution regarding this question.~~
This is a labor relations issue which would need to be negotiated between union leadership and management. The question cannot be answered at this time.

15. Are there requirements for lighting ECM proposals?
- A. Ensure that if any LEDs operating with ballasts are included in the proposal, the ECM must include replacement of the affected ballasts.
16. If available, please provide the lighting count information in Attachment 16j - Lighting Assessment by building.
- A. Light fixture counts per building are not available. Total fixture counts, and break outs per building, can be verified during final engineering by the selected Offeror. Proposals can include unit costs & unit savings per fixture, with proposed totals based on provided information.
17. I am currently subscribed to receive your OFCC “New RFQ and Updated RFP and Q&A Posted to OFCC Website” emails. There have been several projects that have appeared that include elements my company would be interested in preparing a bid for. However, in almost every instance, the projects we may be interested in are embedded in larger more comprehensive construction proposals.

Would it be possible to place a bid on specific sections of the RFQ or RFP, or do we have to bid on the entire request? Additionally, if we have to bid on the entire request, is there a way we could be introduced to general contractors that could use our services as a sub-contractor on these projects?

- A. Proposals can only be accepted for the whole project. Potential sub-contractors are welcome to try joining an ESCO team that is bidding on the entire project. To find potential companies to partner with please refer to the project Meeting Minutes included on the OFCC website, the file includes attendance sign-in sheets for the pre-proposal meeting and walkthroughs.
- 18.
- I. Can you please share the name of the company that recently installed the new roof at CCI Power Plant and other flat roof buildings? This is in order to get in contact with them to understand exactly their specs considering a potential use of Solar Water Heaters as an ECM.
- II. Can you please confirm the amount of hot water in gallons per day produced at CCI Power Plant? We have it in around 50,000 gal/day, but would be great if it can be confirmed.
- A. ~~We are working with the institution regarding this request.~~
- I. For roof requirements, please contact the roof designer Tom Converse of RDI at (614) 538-8780.
- II. The power plant produces between 95,200 and 100,000 gallons per day.

19. Based on the following statement: “The institution plans, but has not received approval, to replace lighting in the inmate housing units with energy efficient security light fixtures (vandal resistant). If this is a possible option, the proposal should include a separate option to provide the security fixtures in the housing units.”

Question:

In order to effectively propose a separate pricing option for security fixtures in the housing units, a complete count of cells with the number of fixtures in each will be required. Can this information be provided?

- A. This information was covered during the additional walkthrough day on 2/18/2016. Refer to Attachment 16m- Electrician’s Notes for specific counts, with dormitory unit counts separated between cells and hall & office areas.

Also, refer to question 13 V and 16 above.

20. Can you please clarify if each respondent is to provide a comprehensive service agreement for the entire correctional facility or just for the ECMs that are installed as part of the performance contract?
- A. The minimum requirement is a service agreement for the proposed ECMs, however it is acceptable to propose a more comprehensive service agreement if the Offeror wishes.
21. In reference to the CMMS system, can you please confirm if an “Owned” system that involves the purchase of servers and software that will be contained within the walls of the prison be preferred, or is the preference a web-based system that can be used from any workstation within the facility?
- A. We are working with the institution regarding this request.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name	<u>College of Law – New Building</u>	Project Number	<u>UCN-16152C</u>
Project Location	<u>The “Banks” Development District (Hamilton County)</u>		

Date posted: March 9, 2016

Date revised: N/A

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. “Is this RFQ just for the Architect of Record (AoR) team?”

- A. **Yes.** Please note that a separate selection process (and RFQ) will begin in the near future to select a national architectural design firm with substantial, recent law school experience. This firm, selected entirely by UC, will be assigned to the AoR as a design consultant. This firm will be contracted to the AoR and not the University.

RFP Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Energy Conservation Project-
DRC: Chillicothe Corrections Institution Project Number DRC-15N001
Project Location Chillicothe, Ross County

Date posted: 1/6/2016
Date revised: 3/10/2016

Below are the questions that have been received to date for the RFP of the above-referenced project:

1. If you would like to participate in the pre-proposal meeting, the company and employee names of all those to be included must be sent to the RFP Q&A email by January 11, 2016, in accordance with Part 2 Section 2.4 of the RFP.
 - A. Send company information & all attendee's names to CCI.questions@ofcc.ohio.gov.
2. Questions
 - I. If possible, please provide any maps or drawings in advance of the scheduled walkthrough visits during the week of January 18th. The following are listed in order of importance.
 - Campus map with building labels
 - Fire escape plans for each building and each room (important for lighting surveys, as these are typically more up to date than construction drawings)
 - HVAC equipment list
 - II. If possible please provide drawings of each building on campus, including:
 - Site utilities (steam, natural gas, water, electric, sewer, etc.)
 - Building mechanical drawings
 - Building plumbing drawings
 - Building electrical/lighting drawings
 - Power house mechanical, electrical and plumbing drawings
 - Exterior/fence electrical/lighting drawings
 - Modifications since initial construction
 - Any other drawings if available
 - III. If possible, please provide the following information:
 - Boiler plant daily records: monthly summary with daily information is sufficient
 - Sample utility bills for electricity, natural gas and sewer from within the past six months
 - List of building square footages
 - IV. Is there a walkthrough day designated for water savings?
 - A. We are gathering all available plans/ drawings and plan to provide the files electronically during the pre-proposal meeting January 13, 2016.
~~We are working with the institution to gather the remaining requests.~~
The remaining requests have been added as attachments to the RFP.
There will not be a walkthrough designated for water savings, the institution does not pay water or sewage charges.
3. Is it appropriate for non- ESCO companies to have representatives attend the pre- proposal meeting on 1/13/2016.
 - A. The pre-proposal meeting is open to all interested parties.

4. Will there be live video streaming for the pre-proposal meeting to be held on Wednesday January 13, 2016?

A. There will not be any video streaming available.

5. I. Can the details of the new electric supply contract that goes into effect 12/16 be provided?

- a. Is this contract for generation only?
- b. Does this contract by-pass AEP’s transmission and distribution charges?
- c. Which electric accounts does the new contract cover?

II. Can you provide one full copy of each electric and natural gas account for one month?

III. Page 5 section 2.3 of the DRC – 15N001 states the following

“The Offeror should attempt to maximize energy savings and financial benefit through energy conservation measures and water conservation at the Site. Savings for energy conservation measures may be claimed over a period not to exceed the useful life of the equipment that is installed or modified. Savings for O&M measures may be claimed for a maximum of five years, and shall not be amortized over the term of the contract. Measures that create verifiable operational and maintenance (O&M) savings, Investigate the cause of poor water quality that reduces the serviceable life of the plumbing fixtures and investigate any water quality issues before any water savings measures are implemented.”

Question(s): Given that the response table exhibits only provide for a 10 year term

- a. How can we claim savings for energy conservation measures over a period not to exceed the useful life of the equipment? Many equipment items life is well beyond 10 years and the tables provided only include 10 years.
- b. When will the O&M data be provided? Labor, equipment repair costs, materials, purchased services, etc... listed by year with descriptions and values?
- c. Will capital cost savings be incorporated into the savings justification for this project to provide for realistic payback for non-energy savings items like poor serviceable plumbing conditions and poor water quality issues since water expenses were not provided?
- d. Will planned capital cost plans be provided?

A. Answers

I. The new electric supply contract is for generation only, there will be no impact to AEP transmission and distribution charges, or any other non-generation charges. The contract applies to the following accounts:

Utility Company	Service Address	Service ID	Account #
AEP Ohio	15802 State Route 104 Scioto Twp.	Main ^[1]	106-410-249-0-5
AEP Ohio	15802 State Route 104	Perimeter	104-134-918-0-3
AEP Ohio	15800 State Route 104 Scioto Twp.	Rear Gate	106-576-411-1-3
AEP Ohio	15433 State Route 104 Scioto Twp.	Garage/ Maintenance Bldg.	100-376-411-1-4
AEP Ohio	15802 State Route 104	Range	109-261-101-0-6
AEP Ohio	15435 State Route 104 Scioto Twp.	Hammack Hall	103-476-411-1-9

II. ~~Utility bill copies for the remaining accounts are being collected.~~

Attachment 16a has been updated to include one bill for each electric and natural gas account.

^[1] The additional high mast fixtures the institution is installing will be added to this account.

- III. a. Addendum ~~to be~~ provided for clarification.
b. We are working to collect O&M data, internal labor costs will not be included and cannot count toward cost savings. ~~We plan to have this information available by Monday January 25, 2016. The institution is still working to collect the data, it will be made available as soon as possible via addendum.~~
O&M costs have been provided via Addendum No. 3, as Attachment 16i- Operation & Maintenance Data.
c & d. Capital avoidance is not acceptable for cost savings.

6. How to sign-up for walkthrough days? Are pictures allowed?

- A. The procedure for the pre-proposal meeting will be used for the walkthrough days as well. Names of all attendees to participate in the walkthroughs for all three days must be sent to CCI.questions@ofcc.ohio.gov before the end of business Friday 1/15/2016. Please include in the email a list of people for each day separately.

Cell phones will be allowed for the purposes of taking photos of specific equipment or conditions within the institution. Only one phone per group is allowed. With the list of people to attend each day include who will be bringing in a cell phone, as well as the make and serial number of the phone to be used. The photos taken will be reviewed prior to exiting the institution. Be mindful when taking pictures as no inmates can be included in photos.

7. Since we could not attend yesterday's Pre-Proposal meeting, we want to know if our company may still be considered for this business opportunity and being able to participate starting with next week's walkthroughs.

- A. Pre-proposal attendance is not required to participate in the walkthroughs. However, see above for requirements to attend.

8. Will the Water and Wastewater Treatment Plant be considered as part of the scope? Will you allow ECM improvements to be considered for these two plants?

- A. Cost savings with utilities (electricity or natural gas) and/ or operations & maintenance can be included in a proposal, unless otherwise noted. If these options are available at the water and wastewater treatment plants the ECM improvements can be considered.

Additional clarification:

Water & sewer savings- no

Electric & gas savings- yes

9. Questions

- I. Is there boiler stack test data available showing O₂% and temperature at various operating loads for all boilers?
II. Are there powerhouse logs available showing daily readings of steam generation, gas use, exhaust temperatures, makeup water use, etc.?
III. Can the boiler chart recorders be made available?
IV. Is there any asbestos at the facility? If yes, does the cost of the ECM need to include asbestos abatement?
V. In an effort to meet the expected 10 year term, will the evaluation team accept a steam elimination concept that reuses some radiators and steam piping? If so, are these reused radiators and steam piping a liability to the ESCO for the 10 year term?

A. **Answers**

- I. We are gathering all available boiler operation data for the past 6 months. ~~We plan to provide this information as soon as possible via Addendum.~~
The operation data has been added to the RFP via Addendum No. 1 and Attachment 16i- Engineer's Daily Logs.

II. The powerhouse logs for fuel use have already been added to the RFP as Attachment 16d. Additional boiler details will be provided in the boiler reports mentioned above. Generator run time reports for January through ~~November~~ December 2015 ~~will be added to the RFP via Addendum when all requested reports are available~~ have been added to the RFP as Attachment 16e via Addendum No. 1. Generator fuel & testing reports have also been added to the RFP as Attachment 16f via Addendum No. 1. These are the available generator reports.

III. Refer to point I.

IV. The institution has been asked if there is any asbestos at the facility. ~~If there is any known asbestos the information will be shared.~~ Please refer to the General Conditions section 6.11.6 Work Stoppage Due to Hazardous Materials for more information.

CCI underwent a major asbestos abatement project in the past and is currently under contract with Ohio Penal Industries to abate any and all asbestos remaining in the facility.

V. Many of the radiators are at the end of their life and cannot be reused. The piping would require a redesign to work for a hot water system.

10. Will the pre-proposal meeting sign-in sheet be made available?

A. The pre-proposal meeting minutes and sign-in sheet has been posted to the OFCC website with the other project files under "Meeting Minutes" (by the Q&A link).

11. Questions

I. What is the chemical cost for steam?

II. How many showerheads are there per building?

III. What is the flow rate per showerhead? GPM?

IV. What is the spend on replacement parts for segregation units for the Acorn/Metcraft pneumatic sink manifolds?

V. Section 12 Financial Requirements of the RFP state an Offeror must provide audited financial statements for the past 3 most recently completed fiscal years. Since this can be voluminous, is it acceptable to put the financial information on a CD and submit it as part of the response?

VI. Can additional walk-thru dates be established to permit more time to thoroughly audit the correctional facility?

A. **Answers**

I. ~~We are working with the institution regarding this request.~~

Approximately \$23,608.20 is spent annually on chemicals for the boilers in the power plant.

II. The count of showerheads is not known.

III. Flow rate per showerhead is not known, however per the RFP no water savings are applicable to this project.

IV. Operation and maintenance costs are already being collected per question (5).

V. This is acceptable.

VI. We are discussing scheduling an additional walkthrough day with the institution.

An additional walkthrough date will be provided on Thursday, February 18, 2016, 9:00 am – 3:00 pm (meet in lobby). The same institution rules as the original walkthrough dates apply. To attend this meeting and ensure the desired areas are seen, please provide the following by Tuesday, February 16th at 12:00 noon to the Q&A email (CCI.questions@ofcc.ohio.gov):

Company name

Names of everyone to attend

All areas/ buildings desired to be seen

(This additional date has been added to the RFP, Part 1.)

12. Can we get a four year (on cycle) of chemical analysis of well water for all three wells and one year of chemical analysis of boiler feed make up water?

A. ~~We are working with the institution regarding this request.~~

Attachment 16k- Well Water Chemical Analysis Reports, has been added to the RFP. This is the available data for the well water. Water evaporated is reported in Attachment 16i- Engineer's Daily Logs.

13. Questions

I. Has the OFCC discussed with ODRC headquarters any potential capital improvements that would or could affect the development of this project? For example; During the Marion Correctional project it was decided after proposals were submitted and a selection was made that the State would be replacing all steam kitchen equipment. Had we been provided that information during our development our proposal would have been significantly different. Therefore, can you please share with us any and all capital improvements that are slated for this institution that may affect each item from Attachment 2? Site Information: List of possible ECM's identified by owner. For instance, it was mentioned during the walk-through that the facility had plans to replace the condensate receiver tanks and the de-aerator. Can you confirm?

II. Given interest rates for State of Ohio credit would be somewhere around 2.0 or less. Along with the Marion project just receiving the low rate of 1.97%. Developing the project with a 4.25% APR is extremely high. This dramatically effects the amount of scope we can include and ultimately depicts a false display of the potential overall project. A rate of around 2.25% may be a closer representation of the project that would actually be delivered. Would you consider this more representative rate?

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The institution assessment and master planning were used to develop the RFP. However, additional capital plans have been added via Addendum No. 2.

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- IV. ~~This information will be included in the O&M data being collected.~~
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Routine preventative maintenance on radiator traps is not scheduled, maintenance is completed as needed on an on-going basis.
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There are six (6) stationary engineers assigned to the power plant and one power plant manager. The stationary engineers start at \$18.16 per hour.
- VII. ~~We are working with the institution regarding this question.~~
This is a labor relations issue which would need to be negotiated between union leadership and management. The question cannot be answered at this time.

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- A. Ensure that if any LEDs operating with ballasts are included in the proposal, the ECM must include replacement of the affected ballasts.
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- A. Light fixture counts per building are not available. Total fixture counts, and break outs per building, can be verified during final engineering by the selected Offeror. Proposals can include unit costs & unit savings per fixture, with proposed totals based on provided information.
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Would it be possible to place a bid on specific sections of the RFQ or RFP, or do we have to bid on the entire request? Additionally, if we have to bid on the entire request, is there a way we could be introduced to general contractors that could use our services as a sub-contractor on these projects?

- A. Proposals can only be accepted for the whole project. Potential sub-contractors are welcome to try joining an ESCO team that is bidding on the entire project. To find potential companies to partner with please refer to the project Meeting Minutes included on the OFCC website, the file includes attendance sign-in sheets for the pre-proposal meeting and walkthroughs.
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- II. Can you please confirm the amount of hot water in gallons per day produced at CCI Power Plant? We have it in around 50,000 gal/day, but would be great if it can be confirmed.
- A. ~~We are working with the institution regarding this request.~~
- I. For roof requirements, please contact the roof designer Tom Converse of RDI at (614) 538-8780.
- II. The power plant produces between 95,200 and 100,000 gallons per day.

19. Based on the following statement: “The institution plans, but has not received approval, to replace lighting in the inmate housing units with energy efficient security light fixtures (vandal resistant). If this is a possible option, the proposal should include a separate option to provide the security fixtures in the housing units.”

Question:

In order to effectively propose a separate pricing option for security fixtures in the housing units, a complete count of cells with the number of fixtures in each will be required. Can this information be provided?

- A. This information was covered during the additional walkthrough day on 2/18/2016. Refer to Attachment 16m- Electrician’s Notes for specific counts, with dormitory unit counts separated between cells and hall & office areas.

Also, refer to question 13 V and 16 above.

20. Can you please clarify if each respondent is to provide a comprehensive service agreement for the entire correctional facility or just for the ECMs that are installed as part of the performance contract?
- A. The minimum requirement is a service agreement for the proposed ECMs, however it is acceptable to propose a more comprehensive service agreement if the Offeror wishes.
21. In reference to the CMMS system, can you please confirm if an "Owned" system that involves the purchase of servers and software that will be contained within the walls of the prison be preferred, or is the preference a web-based system that can be used from any workstation within the facility?
- A. ~~We are working with the institution regarding this request.~~
The preference is a web-based system.
22. Can you please confirm if equipment installation is permitted outside the secure areas in order to reduce installation/maintenance cost (i.e. solar panels / solar water heaters)?
- A. Installing equipment outside of the institution fence is potentially permissible subject to the following:
- o The work must be completed and equipment installed on state property
 - o Any work involving excavation would be subject to Ohio Historical Preservation Office approval
 - o CCI review and approval on a case by case basis

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Carrollton Exempted Village SD Project Number TBD

Date posted: 03-21-2016

Date revised: [If needed]

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Under 5.d – Knowledge of Ohio Capital Improvements process, is this related specifically to using the OAKS system, or to how many projects have been done with the OFCC? If the latter, do projects completed prior to the merger of OFCC and OSFC count?
 - A. It relates to past experience with State of Ohio standard contracts or OAKS CI project management system.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name UCBA – Muntz Rehabilitation Phases 1-4 Project Number UCN-15083A
Project Location University of Cincinnati Blue Ash Campus

Date posted: March 31, 2016

Date revised: N/A

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Is there a participation goal for MBE's?
 - A. There is not an MBE goal for the project, only the EDGE goal.
2. Are partnerships allowed to reply to RFQ?
 - A. In regard to partnerships, there is an assumption that this would mean some type of Joint Venture or LLC. If a JV or LLC is desired, the parties will need to be able to meet the bonding and insurance requirements as specified in the OFCC CMR Contract Documents.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	<u>Wexner Medical Center - 72-Bed Build Out</u>	Response Deadline	<u>03/22/2016</u>	<u>2:00 p.m.</u> local time
Project Location	<u>460 West Tenth Avenue</u>	Project Number	<u>OSU-160380</u>	
City / County	<u>Columbus / Franklin</u>	Project Manager	<u>Ragan Fallang</u>	
Owner	<u>The Ohio State University</u>	Contracting Authority	<u>Local Higher Education</u>	
Delivery Method	<u>General Contracting (G.C.)</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>4</u>	No. of electronic copies requested (PDF)	<u>1</u>	<u>USB</u>

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Ragan Fallang at 400 Enarson Classroom Building, 2009 Millikin Rd, Columbus, OH 43210. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Ragan Fallang at Fallang.6@osu.edu 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

The James Cancer Hospital and Solove Research Institute was completed with shelled spaces planned for inpatient beds on levels 10 and 12. The total area of the project includes approximately 24,500 square feet on level 10 and 54,000 on level 12. The floor plan will mimic the existing layout of level 11 and will include 24 beds on level 10 and 48 beds on level 12 for a total of 72 additional inpatient beds. The beds are planned to be designed as acuity adaptable beds to allow for use as either Critical Care, Step-down or Acute Care inpatient needs. The interior finishes will utilize Wexner Medical Center Standards that were created with the construction of the James Cancer Hospital.

This project will be registered with USGBC for a minimum Silver LEED certification.

This project is required to be designed and delivered within a collaborative BIM-enabled environment following The Ohio State University BIM Project Delivery Standards. The Primary firm submitting for the project will be required to have the BIM expertise capable of meeting the aforementioned standards. The Ohio State University BIM Project Delivery Standards can be accessed via the OSU FOD website: http://fod.osu.edu/bim/ohio-state_bim_pds.pdf. Unless noted otherwise, the minimum required BIM Use Cases are outlined in Section 2.

The BIM models from the original building will be available for use and the incorporation of the new construction.

B. Scope of Services

Selected A/E team must have a demonstrated ability to work collaboratively with the many groups including senior leaders, physicians of multiple disciplines, and the full complement of supporting departments.

Time is of the essence for this project so the selected team will be asked to develop an aggressive deliverables schedule and manage the process to achieve it. This may include the release of early bid packages to allow construction to begin as detailed documents are finalized. The schematic design will be based on duplicating the layout of the existing Critical Care Floors (10 East and 11).

While the layout will match the other Critical Care spaces, the patient rooms are anticipated to be designed for flexible use. This will require review and discussion with nursing staff for Critical Care, Step-down and Acute Care units and creative options to ensure that all types of patients can be properly treated in the rooms with maximum effectiveness and patient comfort.

The lead roles for the team must be excellent communicators and be able to build consensus quickly to keep the design progressing through team decisions.

It will be crucial to have accurate pricing for decision making during design and an accurate final budget prior to bidding. The A/E Team should explain their cost and schedule estimating methodology and show demonstrated success with accuracy.

Request for Qualifications (Architect / Engineer) continued

The areas to be constructed are bordered by active patient care spaces including Critical Care Patient Rooms, Bone Marrow Transplant Inpatient Rooms and an active CT Scan. The team should be well versed in construction constraints within an active hospital. The A/E will need to include plans to address Interim Life Safety Measures as needed and ensure compliance with JCAHO, NFPA 101 and other governing guidelines. The A/E Team will be expected to review Infection Control measures with Medical Center Epidemiologists and generate the infection control plan for the project with their guidance. The A/E team will need to generate logistics plans for the bid documents addressing building access, material delivery, laydown areas, etc. The 10th floor sits above the main building Mechanical Room and attention will be needed to address sound concerns from the building generators.

Medical Equipment Planning Scope

The Medical Equipment Planner will lead focused user group meetings to review equipment needs and develop a full and detailed medical equipment list. They will reference OSU Medical Center's list of standards and utilize all standard equipment when applicable. Coordinate any non-standard items with medical center staff including Clinical Engineering to ensure maintainability and operational functionality as well as finding a responsible price point. Medical Equipment Planner will produce a final list utilizing OSU Medical Center's equipment list template. The list should include all necessary details for procurement including part numbers and accessories. The Medical Equipment Planner shall produce a full and complete budget for the Equipment scope including all components, accessories, delivery and installation costs. The Medical Equipment Planner should assist with quote reviews, alternate selection decisions as well as reviewing scheduling and logistics for procurement and site delivery. They will work with the architect and MEP team to place/coordinate the medical equipment into the design documents and ensure compatibility with the architectural and MEP designs. The Medical Equipment plans must be included within the design model as a layer.

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. Required Professional Liability Insurance will be per Exhibit A – A/E Terms and Conditions Article 7.2.6.

As required by the Agreement, and as properly authorized, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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>. The selected A/E will be required to sign the standard agreement. No modifications to the requirements in the agreement will be accepted.

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. Inpatient Medical Units
2. Active Academic Medical Centers
3. Projects delivered in a collaborative BIM-enabled environment
4. State and/or University Projects
5. LEED Status (Reg., Cert., Silv, Gold, Plat,)

For the purpose of the selection of 10 Relevant Projects in Section F of the Statement of Qualification (Form F110-330), projects must be designed by the Lead Firm.

C. Funding / Estimated Budget

Total Project Cost	<u>\$58,496,460.09</u>	State Funding	<u>\$0</u>
Construction Cost	<u>\$29,000,000</u>	Other Funding	<u>\$58,496,460.09</u>
Estimated A/E Fee	<u>4.5%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive

Request for Qualifications (Architect / Engineer) continued

evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Architect</u>
Secondary	<u>MEP Engineer</u>
	<u>Structural Engineer</u>
	<u>Medical Equipment Planner</u>
	<u>Information Technology Specialist</u>
	<u>The following services will be selected in consultation with the University: Hazardous Materials, Testing & Geotechnical Services</u>
Others	<u>Testing and Balancing</u>
	<u>Medical Gas Verification</u>

E. Anticipated Schedule

Professional Services Start	<u>04 / 16</u>
Construction Notice to Proceed	<u>03 / 17</u>
Substantial Completion of all Work	<u>07 / 18</u>
Professional Services Completed	<u>09 / 18</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	5.0%
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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).
- Proposer's apparent resources and capacity to meet the needs of this project.
- Demonstrated ability to produce high quality fully coordinated documents with minimal errors and omissions.
- Proximity of prospective firms to the project site.
- Demonstrated ability to drive the project with a strong Construction Administration Lead.
- Relevant past work of prospective firm's proposed consultants.
- Past performance of prospective firm and its proposed consultants.
- Accurate estimating capabilities.
- 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.
- Design quality and demonstrated ability of prospective firm and its proposed consultants to provide design services which represent the University's *Design Guidelines for Buildings and Landscape* fod.osu.edu/masterplans/buildings-landscape.pdf
- 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.

Interested firms are required to address their BIM project delivery experience and how they will implement Building Information Modeling ("BIM") on the project by documenting:

- The ability for the entire team to effectively collaborate and share models and data.
- Each discipline model manager and their relevant experience.
- How you support a subcontractor that does not have sufficient BIM experience to meet the above expectations.

Interested A/E firms are required to address how they will implement Building Information Modeling ("BIM") on the project, experience and level of training of staff related to BIM, incorporation of team partners that have previous BIM experience, and an understanding of collaborative BIM processes, including but not limited to the *State of Ohio BIM Protocol* available at the OFCC website at <http://ofcc.ohio.gov>.

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) Section H. Additional Information 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

Request for Qualifications (Architect / Engineer) continued

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.

H. 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.

Do not submit subconsultants for the following services as they will be selected in consultation with the University: Hazardous Materials, Testing, and Geotechnical Services. These subconsultants are not eligible for consideration in meeting the stated EDGE goals.

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

State of Ohio Standard Forms and Documents

Project Name Wexner Medical Center - 72-Bed Build Out Proposer Firm _____
 Project Number OSU-160380 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 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$200,000	2	
	\$200,000 to \$1,000,000	1	
	More than \$1,000,000	0	
c. Number of licensed professionals	Less than 2 professionals	1	Max = 3
	2 to 10 professionals	2	
	More than 10 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 - 5	
d. Construction administration staff	Experience / ability of field representative to identify and solve issues during construction	0 - 10	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____

Date _____

RFQ Question and Answer List

Project Name Wexner Medical Center – 72-Bed Build Out Project Number OSU-160380
Project Location 460 W. Tenth Avenue

Date posted: March 16, 2016
Date revised: N/A

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Should the team include LEED consultants.
 - A. As the RFQ indicates the project goal is LEED Silver. OSU expects the AE team to be the lead in attaining the LEED Goal, submitting the information, etc. A LEED AP is required on the team, but it will be up to the teams on how they choose to cover those requirements.
2. Is an acoustical engineer required on the team and will that selection be made with the Owner.
 - A. Again, the scope of services requires the investigation of noise concerns related to the generators being located immediately below the patient rooms. It is expected that the AE team will be setup to approach and resolve that concern for the University. How the teams choose to approach that is up to each team. If an acoustical engineer is utilized they do not need to be selected with the Owner.
3. Will a construction manager be appointed to provide guidance on the logistics for the purposes of producing the Interim Life Safety Measures and Site Logistics plans.
 - A. No, the project will not utilize a Construction Management Firm. It will be bid as General Contracting (Single Prime) after all documents are completed. The team should be complete enough to provide all of the necessary technical and logistical knowledge for a clear and biddable package. The AE teams will be expected to be able to explain how they will address those needs within their team.
4. How is the scoring done for fees award by contracting authority within the last 24 months?
 - A. An internal report is running that shows the total value of any contract that was open during the time period. Calculated from the date 330's are due going back 24 months. All active contracts are included regardless of award dates.
5. Are Testing and Balancing and Medical Gas Verification services to be selected in consultation with the University?
 - A. No, they should be proposed as part of the AE teams 330 Submission.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	<u>Rhodes Hall -Public Restroom Renovation</u>	Response Deadline	<u>03/24/2016</u>	<u>2:00 p.m.</u> local time
Project Location	<u>Rhodes Hall- Bld. 354, 450 W 10th Ave</u>	Project Number	<u>OSU-160302</u>	
City / County	<u>Columbus / Franklin</u>	Project Manager	<u>Jack Bargaheiser</u>	
Owner	<u>The Ohio State University</u>	Contracting Authority	<u>Local Higher Education</u>	
Delivery Method	<u>General Contracting</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>3</u>	No. of electronic copies requested (PDF)	<u>1 USB</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jack Bargaheiser at 400 Enarson Classroom Building, 2009 Millikin Rd, Columbus, OH 43210. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Jack Bargaheiser at Bargaheiser.2@osu.edu 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

The Ohio State University Wexner Medical Center is looking to renovate the Rhodes Lobby & Rhodes 5th Floor Atrium public restrooms. The purpose is to enhance the patient/visitor experience, and create family/unisex restrooms as well as lactation rooms while removing barriers for ADA access. This Project will evaluate public spaces using the 2010 ADA Standards for Accessible Design and recommend alterations for renovation.

Renovation work should include, but not be limited to, space planning, finishes, HVAC, plumbing, electrical, doors and door hardware.

This project is required to be designed and delivered within a collaborative BIM-enabled environment following The Ohio State University BIM Project Delivery Standards. The Primary firm submitting for the project will be required to have the BIM expertise capable of meeting the aforementioned standards. The Ohio State University BIM Project Delivery Standards can be accessed via the OSU FOD website: [ohio-state_bim_pds.pdf](#). Unless noted otherwise, the minimum required BIM Use Cases are outlined in Section 2.

B. Scope of Services

Upon award of the Agreement, commence with assessment and recommendation of Design.

The Architect/Engineer (A/E) should have a strong background in ADA standards and Medical Center renovation. The team shall understand the construction constraints within an active hospital. The A/E Team will be expected to review infection Control measures with Medical Center Epidemiologist and generate the infection control plan for the project.

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. Required Professional Liability Insurance will be per Exhibit A – A/E Terms and Conditions Article 7.2.6.

As required by the Agreement, and as properly authorized, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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>. The selected A/E will be required to sign the standard agreement. No modifications to the requirements in the agreement will be accepted.

During the construction period, provide not less than 4 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

Request for Qualifications (Architect / Engineer) continued

- 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.

Interested firms are required to address their BIM project delivery experience and how they will implement Building Information Modeling ("BIM") on the project by documenting:

- The ability for the entire team to effectively collaborate and share models and data.
- Each discipline model manager and their relevant experience.
- How you support a subcontractor that does not have sufficient BIM experience to meet the above expectations.

Interested A/E firms are required to address how they will implement Building Information Modeling ("BIM") on the project, experience and level of training of staff related to BIM, incorporation of team partners that have previous BIM experience, and an understanding of collaborative BIM processes, including but not limited to the *State of Ohio BIM Protocol* available at the OFCC website at <http://ofcc.ohio.gov>.

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) Section H. Additional Information 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.

H. 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.

Do not submit subconsultants for the following services as they will be selected in consultation with the University: Hazardous Materials, Testing, and Geotechnical Services. These subconsultants are not eligible for consideration in meeting the stated EDGE goals.

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

State of Ohio Standard Forms and Documents

Project Name Rhodes Hall -Public Restroom Renovation Proposer Firm _____
 Project Number OSU-160302 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 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$200,000	2	
	\$200,000 to \$1,000,000	1	
	More than \$1,000,000	0	
c. Number of licensed professionals	Less than 2 professionals	3	Max = 3
	2 to 10 professionals	2	
	More than 10 professionals	1	
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 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 5	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____

Date _____

Request for Qualifications (Design-Build Contract)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	<u>Rec Facilities - Install IP-Based Cameras</u>	Response Deadline	<u>03/24/2016</u>	<u>2:00 p.m.</u>	local time
Project Location	<u>Main Campus - Various Rec Facilities</u>	Project Number	<u>OSU-150382</u>		
City / County	<u>Columbus / Franklin</u>	Project Manager	<u>Mark Stelzer</u>		
Owner	<u>The Ohio State University</u>	Contracting Authority	<u>Local Higher Education</u>		
Delivery Method	<u>Design-Build</u>	Prevailing Wages	<u>State</u>		
No. of paper copies requested (stapled, not bound)	<u>2</u>	No. of electronic copies requested (PDF)	<u>1 (USB)</u>		

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Mark Stelzer at 400 Enarson Classroom Building, 2009 Millikin Rd, Columbus, OH 43210. See Section G of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Mark Stelzer at stelzer.28@osu.edu 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

The Ohio State University is seeking Design-Build teams to submit their qualifications for the design and construction of the Rec Facilities – Install IP-Based Cameras project. This project will involve the design and installation of multiple IP-based cameras and associated equipment in several student recreational facilities, including outdoor recreation fields on the Columbus main campus of the Ohio State University. At the outdoor recreation fields there is a desire to install wireless type camera systems in order to avoid or minimize the need for disturbing the site related to trenching for the installation of cabling between cameras and head end equipment.

The buildings/fields included in the project are: Recreation & Physical Activities Center (RPAC), Adventure Recreation Center, McCorkle Aquatic Pavilion, Lincoln Tower Park (includes turf fields, tennis courts and Women's Field House), and Fred Beekman Park.

The Program of Requirements ("POR") was developed as a part of this project by the University who acted as the Criteria Architect/Engineer ("Criteria A/E").

All aspects of the project and related issues will be implemented and operated consistent with the Contracting Authority and/or Owner's policies and procedures.

B. Scope of Services

As required by the Agreement, and as properly authorized, provide the following categories of services: develop and maintain estimates of probable construction cost, value engineering, project schedules, and construction schedules; lead and manage the Schematic Design, Design Development, Subcontractor Prequalification and Bidding process, Construction Documents, Construction and Closeout stages.

Refer to the *Ohio Facilities Construction Manual* 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>.

The selected DB will be required to sign the standard agreement. No modifications to the requirements in the agreement will be accepted. Required Professional Liability Insurance will be per General Conditions Articles 10.3.7, 10.3.8 and 10.3.9.

The preconstruction and construction services are generally described below. Subcontracts including Plumbing, Fire Protection, HVAC, and Electrical trades will be awarded by the Design-Builder ("DB") to prequalified vendors using a competitive process. The parties will engage in an "open book" pricing method in which all subcontracted work shall be based upon competitive pricing that will be reviewed by the Contracting Authority/Owner, the Criteria A/E and the DB. The Contracting Authority/Owner shall have access to all books, records, documents and other data in the DB's possession related to itself, its subcontractors and material suppliers pertaining to bidding, pricing or performance of the Agreement.

Request for Qualifications (Design-Build Contract) continued

Preconstruction Services: The DB will work cooperatively with the Contracting Authority/Owner, Criteria A/E and Project Team, and will provide, among other services, schedule development, estimate development, program verification, schematic design, design development, Guaranteed Maximum Price (GMP) proposal, subcontractor prequalification and bidding, construction documents preparation, constructability review, permits, budgeting, value engineering, and preconstruction planning throughout the preconstruction stages. When the drawings and specifications are at a stage of completion specified in the Agreement, such partially completed documents (the "Basis Documents") shall be provided to the DB, together with the Architect/Engineer of Record's ("AOR") detailed listing of any incomplete design elements and the AOR's statement of intended scope with respect to such incomplete elements (the "Design Intent Statement"). Contingent upon the Contracting Authority's approval of the GMP, the parties will enter into an amendment to the Agreement establishing the Contract Sum ("GMP Amendment"). If the proposed Contract Sum exceeds the Project Budget established for construction, then the Contracting Authority may terminate the agreement with the DB and seek proposals from other firms for completion of the Project.

Construction Services: The DB shall construct the Project pursuant to the construction documents and in accordance with the schedule requirements. The DB shall hold all subcontracts and shall be fully responsible for the means and methods of construction, weekly progress meetings, testing and inspections, project safety, project completion within the schedule agreed upon in the preconstruction phase, compliance with all applicable laws and regulations including monitoring compliance with all EDGE, equal employment, and prevailing wage requirements, and submitting monthly reports of these activities to the Contracting Authority. All subcontracts shall be on the subcontract form prescribed by OAC Section 153:1-03-02. The Contracting Authority reserves the right to approve the DB's selection of subcontractors and any supplemental terms to the subcontract form.

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. Design-Build Projects
2. IP-Based CCTV Projects and/or Expansion of Existing IP/Hybrid CCTV Systems
3. Commercial/Enterprise Level Type Experience and Knowledge/Experience with Mesh Networking

For the purpose of the selection of 10 Relevant Projects in Section F of the Statement of Qualification (Form F110-330), projects must be designed by the Lead Firm.

C. Funding / Estimated Budget

Total Project Cost	<u>\$305,491.00</u>	State Funding	<u>\$0.00</u>
Construction Cost	<u>\$167,150.00</u>	Other Funding	<u>\$305,491.00</u>

D. Anticipated Schedule

DB Preconstruction Services Start	<u>05 / 16</u>
Construction Stage Notice to Proceed	<u>06 / 16</u>
Substantial Completion of all Work	<u>08 / 16</u>
DB Services Completed	<u>10 / 16</u>

E. EDGE Participation Goal

Percent of the DB's total compensation excluding DB's Contingency*	<u>5.0%</u>
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*Preconstruction Stage Compensation plus Contract Sum minus DB's Contingency

F. Evaluation Criteria for Selection

Selection Criteria: The DB will be selected using (i) qualifications-based process during the Request for Qualifications (RFQ) stage to develop a short list and (ii) best value process during the Request for Proposal (RFP) stage. The qualifications-based criteria for the RFQ is included in this announcement. The best value criteria used in evaluating proposals from short listed firms will include such factors that are determined to derive or offer the greatest value to the State and Owner, combining both qualifications and fee.

Short List: Each firm responding to this RFQ will be evaluated and selected based on its qualifications and the qualifications and experience of the particular individuals identified as the candidate's proposed team for the Project. After evaluating the responses to this RFQ, the Contracting Authority will select a short list of no fewer than three candidates that it considers to be the most qualified, except if the Contracting Authority determines that fewer than three firms are qualified, it will only select the qualified firms.

Request for Proposal: The short-listed firms shall be sent a Request for Proposal ("RFP") that will invite the firms to submit pricing proposals containing their proposed preconstruction stage compensation, construction stage personnel costs, itemized construction stage general conditions costs, construction stage contingency percentage, construction stage design fee percentage, and design-build fee percentage. The short-listed candidates will also receive (i) form of the

Request for Qualifications (Design-Build Contract) continued

Agreement with the Contracting Authority containing the contract terms and conditions, (ii) set of the most recent criteria documents and (iii) proposed Project schedule.

Pre-Proposal Meeting: Prior to submitting a response to the RFP, the short-listed firms will be invited to meet individually with the Contracting Authority/Owner. The purpose of the pre-proposal meeting is to permit the short-listed firms an opportunity to ask the Contracting Authority/Owner questions in an individual setting to help the firms prepare their responses to the RFP. The Contracting Authority will notify each short-listed firm to schedule individual times for the pre-proposal meetings.

Interview: After submitting responses to the RFP, the short-listed firms will be interviewed by the Contracting Authority/Owner. The purpose of the interview will be to meet the proposed Project team, become familiar with key personnel, and understand the project approach and ability to meet the stated objectives for the Project. Please be prepared to discuss with specificity the firm's capacity to conduct this work in compliance with the timetable, budget and EDGE expectations. The Contracting Authority will notify each short-listed firm to schedule individual times for the interviews.

Selection Schedule: Tentative schedule is subject to change.

Qualifications Due	03/24/2016
RFP issued to the Short-Listed Firms	04/11/2016
Interviews	05/03/2016
Selection of DB	05/09/2016

Cancellation and Rejection: The Contracting Authority reserves the right to reject all proposals and cancel at any time for any reason this solicitation, any portion of this solicitation or any phase of the Project. The Contracting Authority shall have no liability to any proposer arising out of such cancellation or rejection. The Contracting Authority reserves the right to waive minor variations in the selection process.

Interested DB 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 DB's team. The EDGE Affidavit and / or waiver request letter and Demonstration of Good Faith Effort form(s) with complete documentation must be attached to the DB's Proposal. Both forms can be accessed via the OFCC website at <http://ofcc.ohio.gov>.

The **EDGE Participation Statement of Intent to Contract and Perform** from Section H. Additional Information must also be submitted. 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.

G. 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.

Unless otherwise noted or exempt, all documents submitted to the Contracting Authority in response to this RFQ and subsequent RFP are public and will be available for inspection at the conclusion of the selection process. The following information shall remain confidential and will not be released: (1) Proposal Form(s), except for cost category subtotals which will be transferred to the Best Value Rating Form; (2) Financial Capacity; and (3) Bonding/Insurance.

Proposers are requested to submit the following information in response to this RFQ within Section H of Form F110-330.

1. **Summary:** Provide a summary, on one page or less, describing why your firm/team is the most qualified for the Project.
2. **Bonding/Insurance:** Provide evidence of capacity to provide bonding in the amount of the construction budget (e.g. a letter from your Surety agent stating that one or more Sureties will issue Bonds in the amount of the construction budget if your team is selected) and a copy of the firm's certificate of insurance showing the firm's

Request for Qualifications (Design-Build Contract) continued

current limits of liability for commercial general liability, employer's liability, business automobile liability, and professional liability insurance.

3. Management Systems: Describe the scheduling and cost control systems the firm would propose to use for the Project
4. Self-Performed Work: Indicate whether the firm intends to self-perform any work on the Project through a competitive process and, if so, the nature of the work and capability to self-perform.
5. Estimating: Demonstrated track record of performance of in-house estimating on projects comparable to the Project.
6. Scheduling: Demonstrated track record of performance of managing projects to the original schedule.

Firms are requested to identify professional registrations, memberships and credentials including but not limited to: 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.

Design-Build Selection Rating Form

State of Standard Forms and Documents

Project Name Rec Facilities - Install IP-Based Cameras Proposer Firm _____
 Project Number OSU-150382 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location and Workload (Maximum 10 points)			
a. Proximity of firm to project site	Less than 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of contracts awarded by Contracting Authority in previous 24 months	Less than \$200,000	5	
	\$200,000 to \$1,000,000	2	
	More than \$1,000,000	0	
2. Primary Qualifications (Maximum 35 points)			
a. Project management lead	Experience / ability of project manager to manage scope / budget / schedule / quality	0 - 10	Max = 25
b. Project design lead	Experience / creativity of project designer to achieve owner's vision and requirements	0 - 10	
c. Technical staff	Experience / ability of technical staff to coordinate construction documents and develop accurate estimates and schedules	0 - 10	
d. Construction administration staff	Experience / ability of field representatives to identify and solve issues during construction	0 - 5	
3. Key Consultant Qualifications (Maximum 15 points)			
a. Key consultants	Experience / ability of key consultants to perform effectively and collaboratively	0 - 10	
b. Proposed EDGE-certified Consultant participation*	One point for every 2 percent increase in Services compensation** over the EDGE participation goal	0 - 5	
4. Overall Team Qualifications (Maximum 10 points)			
a. Previous team collaboration	Less than 2 sample projects	0	Max = 3
	2 to 4 sample projects	2	
	More than 4 sample projects	3	
b. LEED*** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of consulting firm(s) and NOT the lead firm ** Preconstruction Stage Compensation plus Contract Sum minus Subcontracted Work, Self-performed Work, and DB's Contingency *** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	Muskingum River Locks and Dams Assessments and Improvements	Response Deadline	04/01/2016	4:00 PM	local time
Project Location	Muskingum River Parkway	Project Number	DNR-160070		
City / County	McConnelsville / Morgan County	Project Manager	Justin Gardner		
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)	4	No. of electronic copies requested (PDF)	2		

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

Submit all questions regarding this RFQ in writing to Jason Kirby at jason.kirby@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 assess and rehabilitate a series of dams with navigation locks along the Muskingum River Parkway owned by the Ohio Department of Natural Resources and located in Muskingum, Morgan, and Washington Counties. Services being requested include initial site assessments, preliminary and final design services, construction administration for rehabilitation projects, and development of Emergency Action Plans (EAPs) & Operation, Maintenance and Inspection (OM&I) manuals for each of the lock and dam structures.

The system consists of Lock and Dams No. 2 through No. 11, which are regulated by the ODNR Dam Safety Program as Class II structures. These structures are part of a river navigation system that was constructed in the 1840s. Many of these structures have unique historical characteristics which have been maintained since their original construction. Previous preliminary design and investigation services have been conducted for these structures, but additional investigation, assessment and design work is necessary to develop a comprehensive master plan and plan for improvements.

The intent of this project is to develop a Facility Master Plan for the entire system in conjunction with ODNR's strategic facility plans. This will be a phased project with an expedited design and construction schedule in order to implement Interim Risk Reduction Measures (IRRM) where necessary to address issues of immediate concern. Prioritizing the design and construction of IRRMs will allow for incremental improvements at each facility before funding is available for more comprehensive risk reduction measures.

Construction would be undertaken to ensure public safety and long-term performance as well as functional and aesthetic improvements as identified in the strategic facility plan. Construction would be phased to ensure the best use of public funds and the least disruption of the operation of the overall facility. Familiarity with the latest innovative dam safety design alternatives and construction technologies will be necessary in order to expedite construction and minimize adverse recreational and economic impacts during rehabilitation of the lock and dams.

Through this selection process, ODNR contemplates engaging an Architect/Engineer (A/E) to provide master planning/assessment and construction documents for all improvements on the system. The initial Phase I would include master planning and assessment of the river navigation system and approximately \$1 million in improvements including implementing immediate IRRMs. Phase II would include additional site investigation and completion of the selected comprehensive risk reduction measures at particular structures or the rest of the system. All firms submitting a statement of qualifications will be eligible for award of contract for master planning/assessment and Phase I and Phase II work. However, the selected A/E's agreement would initially address master planning/assessment and may be extended and amended to add Phase I and Phase II work as capital appropriations are available in future Capital Bill legislation.

B. Scope of Services

Request for Qualifications (Architect / Engineer) continued

The scope of services may include, but is not limited to; topographical surveys of the dam site, including upstream and downstream areas; performance of geotechnical investigations of the dam and appurtenances to evaluate stability, seepage, and structural condition; underwater inspection; performance of hydrologic, hydraulic and flood routing analyses for adequacy of and to provide alternatives for meeting required discharge/storage capacities; recommendations of alternatives for rehabilitation of dams with associated cost estimates; applying for and obtaining all applicable permits and approvals; completion of preliminary and final design documents for construction; performance of construction administration services; and preparation of EAPs and OM&I manuals. All work shall be performed in compliance with Ohio Dam Safety Rules and Regulations. Participate in the Encouraging Growth, Diversity & Equity (EDGE) Program as required by statute and the Agreement.

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. Experience with performing preliminary site investigation & assessments, including recommendations for rehabilitation alternatives and associated cost estimates on dam-related projects.
2. Experience in hydrologic and hydraulic analyses.
3. Experience in performing geotechnical analyses.
4. Experience in performing structural analyses and inspections on lock and dam structures.
5. Experience with Ohio Dam Safety Laws and Rules and working with regulatory agencies with authority over dam and water resources related projects.
6. Experience in applying for and obtaining regulatory permits for dam-related projects.
7. Experience with investigation, design, preservation, and rehabilitation of historic lock and dam river navigation systems
8. Demonstrated experience in meeting aggressive schedules.
9. Experience working for state and/or other governmental agencies.
10. Experience dealing with the public and holding public meetings.

C. Funding / Estimated Budget

	\$2.5 million (Master planning)		
	\$1.0 million (Phase I)		
Total Project Cost	<u>TBD (Phase II)</u>	State Funding	<u>100% of project cost</u>
	\$750,000 (Phase I)		
Construction Cost	<u>TBD (Phase II)</u>	Other Funding	<u>0%</u>
Estimated A/E Fee	<u>10.0% to 12.0%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Civil Engineering</u>
Secondary	<u>Geotechnical Engineering</u>
	<u>Structural Engineering</u>
	<u>Hydrologic & Hydraulic Services</u>
	<u>Mechanical Engineering</u>
	<u>Architectural Services</u>
Others	<u>Underwater Inspections</u>
	<u>Laboratory Services</u>

E. Anticipated Schedule

Professional Services Start	<u>08 / 16</u>
Construction Notice to Proceed	<u>08 / 17</u>
Substantial Completion of all Work	<u>08 / 18</u>
Professional Services Completed	<u>08 / 18</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape

Request for Qualifications (Architect / Engineer) continued

Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.
- Approach to and success of using partnering and Alternative Dispute Resolution.
- Proximity of prospective firms to the project site.
- Dollar value of ODNR contracts in the previous two years.
- Proposer's apparent resources and capacity to meet the needs of this project.

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.

H. 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 or email 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

State of Ohio Standard Forms and Documents

Project Name Muskingum River Locks and Dams Assessments and Improvements Proposer Firm _____
 Project Number DNR-160070 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 100 miles	5	
	100 miles to 200 miles	2	
	More than 200 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$1,000,000	2	
	\$1,000,000 to \$2,000,000	1	
	More than \$2,000,000	0	
c. Number of licensed professionals	Less than 10 professionals	0	Max = 3
	10 to 20 professionals	1	
	More than 20 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 3 sample projects	1	Max = 3
	3 to 6 sample projects	2	
	More than 6 sample projects	3	
b. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 5 projects	0 - 3	
	5 to 8 projects	4 - 6	
	More than 8 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 5 projects	0 - 1	
	5 to 8 projects	2 - 3	
	More than 8 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name	<u>Muskingum River Locks and Dams Assessments and Improvements</u>	Project Number	<u>DNR-160070</u>
Project Location	<u>Muskingum River Parkway</u>		

Date posted: 3/18/16

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. The RFQ states "Previous preliminary design and investigation services have been conducted for these structures..." Is this information available for review prior to submittal of the Statement of Qualifications?
 - A. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms. For the purposes of providing a statement of qualifications, the detailed information provided in these reports is not necessary. Please refer to the project description for information regarding the scope of this project.
2. Who was the A/E firm(s) responsible for the previous preliminary design and investigative services for these structures?
 - A. Preliminary design and investigations services were performed by multiple firms for multiple projects. For the purposes of a statement of qualifications, the detailed information requested is not necessary. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms.
3. When submitting on architecture projects, the information requested on the Section E resume sheets for Item (2) Building Type, Size & Project Cost/Performance and Item (3) Type of Construction, Delivery Model & Services is fairly self-evident. Do you have an example of the information you expect for dam projects or dam feasibility study projects?
 - A. Pertinent structure data related to a dam such as type of dam, size (length, height) and spillway type can be used in the resume sheets to describe the structure. Information related to cost, type construction, delivery models and services is specific to each dam project.
4. Are there "Construction Costs" associated with the \$2.5 million "Master planning Total Project Cost" or is the \$2.5 million "Master planning Total Project Cost" just for the actual A/E effort.
 - A. The \$2,500,000 noted in the RFQ is allocated for the A/E effort. No construction costs are associated with this amount.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	<u>Little Killbuck Creek Invasive Species Closure</u>	Response Deadline	<u>03/25/2016</u>	<u>4:00 PM</u> local time
Project Location	<u>Little Killbuck Creek</u>	Project Number	<u>DNR-160066</u>	
City / County	<u>Burbank / Medina County</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>3</u>	No. of electronic copies requested (PDF)	<u>2</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jason Kirby at 2045 Morse Road, Building E-3, Columbus, OH 43229-6693. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Jason Kirby at jason.kirby@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

The Killbuck Creek watershed is located mainly in Medina County and has been identified as a possible location of a link between the Mississippi River and Great Lakes watersheds. The intent of this project is to obtain professional engineering services, including surveying, soil borings, design and construction administration to develop a "closure" solution, such as an embankment or berm, to reduce potential migration of invasive species between these two watersheds at this location. The initial phase of services will focus on preliminary investigation and design and with construction administration services to follow as construction funding is finalized.

B. Scope of Services

The selected firm shall use recently completed US Army Corps of Engineers (USACE) Great Lakes and Mississippi River Interbasin Study (GLMRIS) report and ODNR feasibility study to perform final design of the closure alternative. Preliminary assessment the closure alternatives have been completed, including a recommended embankment alignment. The selected firm shall apply for and obtain all necessary regulatory permits, assist with environmental issues and right of way acquisition, maintain current estimates of probable construction costs through the design phase, and assist with bidding services. All work shall be performed in compliance with all applicable regulatory requirements.

The selected Architect/Engineer (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. The selected Architect/Engineer (A/E) will participate in the Encouraging Growth, Diversity & Equity (EDGE) Program as required by statute and the Agreement.

The initial contract for the selected A/E firm includes only preliminary design, final design and bidding services as described above. However, all firms submitting a statement of qualifications will be eligible for award of a contract for construction administration services. The selected A/E's agreement may be extended and amended to add scope of work as additional funding is available.

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>.

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 design and implementation of invasive species transfer mitigation alternatives.
2. Experience with design and construction of earthen embankments.
3. Experience with roadway design and construction.

Request for Qualifications (Architect / Engineer) continued

4. Experience with environmental assessment and permitting services including wetland mitigation and stream relocation.
5. Performance of geotechnical analyses.
6. Performance of hydrologic and hydraulic analyses.
7. Knowledge of regulatory and permitting procedures for agencies having authority over water resources related projects.
8. Experience working for state and/or other governmental agencies under professional services contracts.

C. Funding / Estimated Budget

Total Project Cost	<u>\$5,250,000</u>	State Funding	<u>\$5,250,000</u>
Construction Cost	<u>\$4,400,000</u>	Other Funding	<u>N/A</u>
Estimated A/E Fee	<u>10.0% to 14.0%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Civil Engineering</u>
Secondary	<u>Geotechnical Engineering</u>
	<u>Hydrologic and Hydraulic Services</u>
	<u>Environmental Assessments</u>
	<u>Traffic Engineering</u>
	<u>Surveying</u>
Others	<u>Laboratory Services</u>

E. Anticipated Schedule

Professional Services Start	<u>06 / 16</u>
Construction Notice to Proceed	<u>10 / 16</u>
Substantial Completion of all Work	<u>12 / 17</u>
Professional Services Completed	<u>12 / 17</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.

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.

H. 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.

Architect / Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name Little Killbuck Creek Invasive Species Closure Proposer Firm _____
 Project Number DNR-160066 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 100 miles	5	
	100 miles to 200 miles	2	
	More than 200 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$500,000	2	
	\$500,000 to \$2,000,000	1	
	More than \$2,000,000	0	
c. Number of licensed professionals	Less than 3 professionals	1	Max = 3
	3 to 8 professionals	2	
	More than 8 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 3 sample projects	1	Max = 3
	3 to 4 sample projects	2	
	More than 4 sample projects	3	
b. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 4 projects	4 - 6	
	More than 4 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____

Date _____

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Little Killbuck Creek Invasive Species Closure Project Number DNR-160066
Project Location Little Killbuck Creek

Date posted: 3/22/16

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Is it possible to get a digital copy of the ODNR Feasibility Study forwarded for review?
 - A. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms. For the purposes of providing a statement of qualifications, the detailed information provided in these reports is not necessary. Please refer to the project description for information regarding the scope of this project.
2. While we've had a chance to review the GLMRIS report, we could not find online the preliminary investigation of closure options at the Little Killbuck Creek connection site and the ODNR feasibility study to perform the final design of the closure alternative. Could you forward those documents or point us in the right direction?
 - A. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms. For the purposes of providing a statement of qualifications, the detailed information provided in these reports is not necessary. Please refer to the project description for information regarding the scope of this project.
3. Can you provide any more specifics related to the Laboratory Services that are expected to be needed for this project? I assume geotechnical lab testing would be required, but does ODNR anticipate other forms or laboratory services?
 - A. Laboratory services include geotechnical lab sampling and testing and other services as required to implement final design.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Little Killbuck Creek Invasive Species Closure Project Number DNR-160066
Project Location Little Killbuck Creek

Date posted: 03/22/2016

Date revised: 03/23/2016

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Is it possible to get a digital copy of the ODNR Feasibility Study forwarded for review?
 - A. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms. For the purposes of providing a statement of qualifications, the detailed information provided in these reports is not necessary. Please refer to the project description for information regarding the scope of this project.
2. While we've had a chance to review the GLMRIS report, we could not find online the preliminary investigation of closure options at the Little Killbuck Creek connection site and the ODNR feasibility study to perform the final design of the closure alternative. Could you forward those documents or point us in the right direction?
 - A. Selected preliminary design reports and investigations for this project will be provided to shortlisted firms. For the purposes of providing a statement of qualifications, the detailed information provided in these reports is not necessary. Please refer to the project description for information regarding the scope of this project.
3. Can you provide any more specifics related to the Laboratory Services that are expected to be needed for this project? I assume geotechnical lab testing would be required, but does ODNR anticipate other forms or laboratory services?
 - A. Laboratory services include geotechnical lab sampling and testing and other services as required to implement final design.
4. In response to the RFQ, are all of the response forms required in the SOQ form F110-330-Statement of Qualifications? If there are any other required forms for the submittal please advise.
 - A. All instructions and required forms are included in the F110-330-Statement of Qualifications document.
5. In the SOQ form F110-330, it lists in the instructions for Section D, A/E Standard Titles for Specific Roles. Are we limited to only those titles for staff in the response? Does this also include subcontractor consultants which will be on the team?
 - A. As stated in the instructions, use the standard titles provided for all team members. Names and roles of all key personnel should be listed in Section E and the firm they are associated with as listed in Section C. Please refrain from using company titles.
6. Do subcontractor consultants on the team for the proposal need to complete Part II of the SOQ for their firm, or is only the primary consultant required to complete this? Specifically I am referring to the following language: "1. Submit Part II with each Statement of Qualifications. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team."
 - A. Part II - General Qualifications is required for each firm that will be part of the proposed team, including subcontractors.
7. Can paper submittals be hand delivered to ODNR on Friday, March 25?
 - A. Submittals may be delivered by hand or courier directly to Jason Kirby at 2045 Morse Road, Building E-3, Columbus, OH 43229-6693 by the response deadline stated in the RFQ.
8. How should the electronic copies be delivered?

- A. Electronic copies will be accepted on CD-R or flash drive with hard copy submittal.
9. Does the Engineering Consulting company submitting a response to the RFQ have to already be on the approved consultant list, or is this open to any company which meets the qualifications?
- A. No, any firm is welcome to submit.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Ohio Department of Natural Resources (ODNR)

Project Name	<u>Roadway Infrastructure Assessment</u>	Response Deadline	<u>03/25/2016</u>	<u>4:00 PM</u> local time
Project Location	<u>ODNR Facilities Statewide</u>	Project Number	<u>DNR-150013</u>	
City / County	<u>Columbus / Franklin</u>	Project Manager	<u>Gus Smithhisler, P.E.</u>	
Owner	<u>Ohio Department of Natural Resources</u>	Contracting Authority	<u>ODNR</u>	
Delivery Method	<u>N/A</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested (PDF)	<u>2</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jason Kirby at Jason.Kirby@dnr.state.oh.us. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Gus Smithhisler at Gus.Smithhisler@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

The intent of this project is to assess ODNR roads and parking lots utilizing the MicroPaver rating system throughout the state. The selected firm will utilize the resulting data to update ODNR's existing MicroPaver roadway maintenance program inventory. The assessment information will provide standardized rating information on specific pavement components as well as visually representations of pavement conditions.

B. Scope of Services

This project is intended to quantify the road and parking lot conditions within ODNR properties. The selected firm will produce a plan to address continuing maintenance and potential Capital improvements throughout ODNR's roadway and parking lot system. Items to take into consideration will include pavement age, pavement condition, geographic location as well as other program requirements.

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.

Selected firm shall verify existing inventory information at ODNR. Roads were previously assessed in 2004 and Park roads were updated in 2015. Parking lots were assessed but not measured in 2004. The 2004 asset inventory included 2631 sections on 894.3 centerline miles of roadway and 2,153 sections of parking lots. The roadway sections were further divided by surface type for assessment, in which AC-Asphalt Concrete (418.7 mi), ST-Surface Treated (71.8 mi) and PCC-Portland Cement Concrete (0.6 mi) roads were given a PCI. The firm will ensure that pavements at all ODNR facilities are included in the MicroPaver system and AC, ST & PCC surfaces have current assessment data (within the past 3 years). Information should be sufficient for ODNR to accurately estimate future projects. All roads and parking lots shall be viewable through a GIS system including aerial photography. GIS system shall readily identify all roads and parking lots as well as give a visual representation of their condition (color coded).

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. Pavement Condition Assessment
2. Pavement Maintenance Program Development
3. Pavement Maintenance Construction Projects
4. Roadway work in recreational areas
5. GIS product use/development
6. Experience with the MicroPaver roadway rating system

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

C. Funding / Estimated Budget

Total Project Cost	<u>\$150,000</u>	State Funding	<u>\$150,000</u>
Construction Cost	<u>\$0</u>	Other Funding	<u>\$0</u>
Estimated A/E Fee	<u>100%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Civil Engineering</u>
Secondary	<u>GIS</u>
	<u> </u>
Others	<u> </u>

E. Anticipated Schedule

Professional Services Start	<u>06 / 1 6</u>
Construction Notice to Proceed	<u>N/A</u>
Substantial Completion of all Work	<u>04 / 17</u>
Professional Services Completed	<u>06 / 17</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.

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.

H. 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.

Architect / Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name ODNR Roadway Infrastructure Assessment Proposer Firm _____
 Project Number DNR-150013 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location, Workload and Size (Maximum 10 points)			
a. Proximity of firm to project site (Columbus)	In-State	5	
	Out of State	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$50,000	2	
	\$50,000 to \$300,000	1	
	More than \$300,000	0	
c. Number of licensed professionals	Less than 2 professionals	2	Max = 3
	2 to 6 professionals	3	
	More than 6 professionals	2	
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 (Inspectors)	Experience / creativity of project designer to achieve owner's vision and requirements	0 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 10	
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 6 sample projects	2	
	More than 6 sample projects	3	
b. GIS project experience	Training and knowledge	2	Max = 5
	Direct project experience	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 2 projects	0 - 3	
	2 to 6 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 2 projects	0 - 1	
	2 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

Request for Qualifications (CM at Risk Contract)

State of Ohio Standard Forms and Documents

Administration of Project: School District Board + OFCC

Project Name	<u>Reading Community CSD</u>	Response Deadline	<u>04/11/2016</u>	<u>4:00 PM</u> local time
Project Location	<u>Multiple</u>	Project Number	<u>SFC-160392</u>	
City / County	<u>Reading / Hamilton</u>	Project Manager	<u>Nathan Jones</u>	
Owner	<u>Reading Community City School District</u>	Contracting Authority	<u>School District Board + OFCC</u>	
Delivery Method	<u>CM at Risk</u>	Prevailing Wages	<u>None</u>	
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested (PDF)	<u>1</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jill Hoobler at Jill.Hoobler@ofcc.ohio.gov. See Section G of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Jill Hoobler at Jill.Hoobler@ofcc.ohio.gov with the project number included in the subject line (no phone calls please). Questions will be answered and posted to 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

Build one new 213,157 square foot PK-12 school to house 1715 students. The new building will be located on the existing Reading Community Junior/Senior High School site, located at 810 E. Columbia Avenue, Reading, OH 45215. The total budget for the new PK-12 is \$46,355,604 which includes two site safety allowances. There is a swing space allowance but it is not anticipated that the swing space scope of work will be included in this contract. The district may elect to add additional locally funded initiatives in the future.

The new building shall achieve or exceed a LEED Certification of Silver and incorporate the District's educational visioning specifications while complying with the latest version of the *Ohio School Design Manual* (OSDM).

Abatement and demolition of the District's existing schools is included as part of the scope of work. Abatement and demolition of the Junior/Senior High School shall take place prior to starting construction on the new PK-12 building. Upon completion and turnover of the new PK-12 building, abatement and demolition of the existing Hilltop Community Elementary School, and Central Community Elementary School may commence.

Total co-funded budget for abatement and demolition of the 3 existing schools is Central Community School – \$1,861,134. Hilltop Community Elementary – \$1,093,055. Reading Community Jr/Sr High – \$1,387,648.

Professional design services are being acquired by the Contracting Authority under a separate contract.

The Program of Requirements ("POR") will be developed as a part of this project by the Architect/Engineer ("A/E").

All aspects of the project and related issues will be implemented and operated consistent with the Contracting Authority and/or Owner's policies and procedures.

A Project Agreement between Reading Community CSD and the OFCC has been executed.

B. Scope of Services

The selected Construction Manager at Risk ("CM"), as a portion of its required Scope of Services and prior to submitting its proposal, will discuss and clarify with the Contracting Authority and/or Owner, the breakdown of the Agreement detailed cost components, to address the Owner's project requirements and refine the project schedule.

As required by the Agreement, and as properly authorized, provide the following categories of services: provide constructability review comments on documents produced by the A/E during the Schematic Design, Design Development, and Construction Document stages; develop and maintain estimates of probable construction cost, value engineering,

Request for Qualifications (CM at Risk Contract) continued

project schedules, and construction schedules; lead and manage the Subcontractor Prequalification and Bidding process, Construction and Closeout Stage.

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>.

The preconstruction and construction services are generally described below. Subcontracts including but not limited to Plumbing, Fire Protection, HVAC, Electrical and AV/Technology will be awarded by the CM to prequalified vendors using a competitive process. The parties will engage in an "open book" pricing method in which all subcontracted work shall be based upon competitive pricing that will be reviewed by the Contracting Authority and/or Owner, the A/E and the CM. The Contracting Authority and/or Owner shall have access to all books, records, documents and other data in the CM's possession related to itself, its subcontractors and material suppliers pertaining to bidding, pricing or performance of the Agreement.

Preconstruction Services: The CM will work cooperatively with the Contracting Authority and/or Owner, A/E, and Project Team, and will provide, among other services, schedule development, estimate development, Guaranteed Maximum Price (GMP) proposal, subcontractor prequalification and bidding, constructability review, permits, budgeting, value engineering, and preconstruction planning throughout the preconstruction stages. When the drawings and specifications are at the stage of completion specified in the Agreement, such partially completed documents (the "Basis Documents") shall be provided to the CM, together with the A/E's detailed listing of any incomplete design elements and the A/E's statement of intended scope with respect to such incomplete elements (the "Design Intent Statement"). Contingent upon the Contracting Authority's approval of the GMP, the parties will enter into an amendment to the Agreement establishing the Contract Sum ("GMP Amendment"). If the proposed Contract Sum exceeds the Project Budget established for construction, then the Contracting Authority may terminate the agreement with the CM and seek proposals from other firms for completion of the Project.

Construction Services: The CM shall construct the Project pursuant to the construction documents and in accordance with the schedule requirements. The CM shall hold all subcontracts and shall be fully responsible for the means and methods of construction, project safety, project completion within the schedule agreed upon in the preconstruction phase, compliance with all applicable laws and regulations including monitoring compliance with all EDGE, equal employment, and prevailing wage requirements, and submitting monthly reports of these activities to the Contracting Authority. All subcontracts shall be on the subcontract form prescribed by OAC Section 153:1-03-02. The Contracting Authority reserves the right to approve the CM's selection of subcontractors and any supplemental terms to the form subcontract.

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. Project Delivery Method (MP, GC, CMR, DB)
2. Role on Project (CMA, OA, CMR, DB, GC, Trade)
3. LEED Status (Reg., Cert., Silv., Gold, Plat.)
4. Academic Facility
5. K-12 Facility Type (Elem., Middle, High, CT, Combination)
6. New Construction on urban site
7. Ohio Capital Improvement Process (State of Ohio Contracts/OAKS CI)
8. Construction Manager at Risk GMP pricing experience
9. Plan and success outcomes of working with local companies desiring to participate in the project
10. Managing community expectations

C. Funding / Estimated Budget

Total Project Cost	<u>\$50,972,401 (includes swing space)</u>	State Funding	<u>\$27,525,097</u>
Construction Cost	<u>\$43,029,311</u>	Other Funding	<u>\$23,447,304</u>

D. Anticipated Schedule

CM Preconstruction Services Start	<u>05 / 16</u>
Construction Stage Notice to Proceed	<u>02 / 17</u>
Substantial Completion of all Work	<u>11 / 18</u>
CM Services Completed	<u>02 / 19</u>

E. EDGE Participation Goal

Percent of the CM's total compensation excluding CM's Contingency*	<u>5.0%</u>
*Preconstruction Stage Compensation plus Contract Sum minus CM's Contingency	

F. Evaluation Criteria for Selection

Request for Qualifications (CM at Risk Contract)

State of Ohio Standard Forms and Documents

Selection Criteria: The CM will be selected using (i) qualifications-based process during the Request for Qualifications (RFQ) stage to develop a short list and (ii) best value process during the Request for Proposal stage. The qualifications-based criteria for the RFQ is included in this announcement. The best value criteria used in evaluating proposals from short listed firms will include such factors that are determined to derive or offer the greatest value to the State and Owner, combining both qualifications and fee.

Short List: Each firm responding to this RFQ will be evaluated and selected based on its qualifications and the qualifications and experience of the particular individuals identified as the candidate's proposed team for the Project. After evaluating the responses to this RFQ, the Contracting Authority will select a short list of no fewer than three candidates that it considers to be the most qualified, except if the Contracting Authority determines that fewer than three firms are qualified, it will only select the qualified firms.

Request for Proposal: The short-listed firms shall be sent a Request for Proposal ("RFP") that will invite the firms to submit pricing proposals containing their proposed preconstruction stage compensation, construction stage personnel costs, itemized construction stage general conditions costs, construction stage contingency percentage, and construction stage fee percentage. The short-listed candidates will also receive (i) form of Agreement with the Contracting Authority containing the contract terms and conditions, (ii) set of the most recent design documents and (iii) proposed Project schedule.

Pre-Proposal Meeting: Prior to submitting a response to the RFP, the short-listed firms will be invited to meet individually with the Contracting Authority and/or Owner. The purpose of the pre-proposal meeting is to permit the short-listed firms an opportunity to ask the Contracting Authority and/or Owner questions in an individual setting to help the firms prepare their responses to the RFP. The Contracting Authority will notify each short-listed firm to schedule individual times for the pre-proposal meetings.

Interview: After submitting responses to the RFP, the short-listed firms will be interviewed by the Contracting Authority and Owner. The purpose of the interview will be to meet the proposed Project team, become familiar with key personnel, and understand the project approach and ability to meet the stated objectives for the Project. Please be prepared to discuss with specificity the firm's capacity to conduct this work in compliance with the timetable, budget and EDGE expectations. The Contracting Authority will notify each short-listed firm to schedule individual times for the interviews.

Selection Schedule: Tentative schedule is subject to change.

RFP issued to the Short-Listed Firms	4/22/2016
Interviews	5/12/2016
Selection of CM	5/16/2016

Cancellation and Rejection: The Contracting Authority reserves the right to reject all proposals and cancel at any time for any reason this solicitation, any portion of this solicitation or any phase of the Project. The Contracting Authority shall have no liability to any proposer arising out of such cancellation or rejection. The Contracting Authority reserves the right to waive minor variations in the selection process.

Interested CM firms are required to address how they will implement Building Information Modeling ("BIM") on the project, experience and level of training of staff related to BIM, incorporation of team partners that have previous BIM experience, and an understanding of collaborative BIM processes, including but not limited to the *State of Ohio BIM Protocol* available at the OFCC website at <http://ofcc.ohio.gov>.

Interested CM 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 CM'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 CM's 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.

G. 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>.

Request for Qualifications (CM at Risk Contract) continued

Statements of Qualifications are to be submitted electronically by email. Submittals are to be limited to a maximum of one email with the total file size of 25 MB

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.

Unless otherwise noted or exempt, all documents submitted to the Contracting Authority in response to this RFQ and subsequent RFP are public and will be available for inspection at the conclusion of the selection process. The following information shall remain confidential and will not be released: (1) Proposal Form(s), except for cost category subtotals which will be transferred to the Best Value Rating Form; (2) Financial Capacity; and (3) Bonding/Insurance.

Proposers are requested to submit the following information in response to this RFQ within Section H of Form F110-330.

1. Summary: Provide a summary, on one page or less, describing why your firm/team is the most qualified for the Project.
2. Bonding/Insurance: Provide evidence of capacity to provide bonding in the amount of the construction budget (e.g. a letter from your Surety agent stating that one or more Sureties will issue Bonds in the amount of the construction budget if your team is selected) and a copy of the firm's certificate of insurance showing the firm's current limits of liability for commercial general liability, employer's liability, business automobile liability, and professional liability insurance.
3. Management Systems: Describe the scheduling and cost control systems the firm would propose to use for the Project
4. Self-Performed Work: Indicate whether the firm intends to self-perform any work on the Project through a competitive process and, if so, the nature of the work and capability to self-perform.
5. Estimating: Demonstrated track record of performance of in-house estimating on projects comparable to the Project.
6. Scheduling: Demonstrated track record of performance of managing projects to the original schedule.

Firms are requested to identify professional registrations, memberships and credentials including but not limited to: 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.

CM at Risk Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name Reading Community CSD Proposer Firm _____
 Project Number SFC-160392 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location and Workload (Maximum 10 points)			
a. Proximity of firm to project site	Less than 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of contracts awarded by Contracting Authority in previous 24 months	Less than \$10,000,000	5	
	\$10,000,000 to \$20,000,000	2	
	More than \$20,000,000	0	
2. Primary Qualifications (Maximum 40 points)			
a. Project management lead	Experience / ability of project manager to manage scope / budget / schedule / quality	0 - 10	Max = 30
b. Project administration lead	Experience / ability to effectively administer project controls and processes	0 - 5	
c. Technical staff	Experience / ability of technical staff to develop accurate estimates and schedules	0 - 10	
d. Construction administration staff	Experience / ability of field representative to identify and solve issues during construction	0 - 15	
3. Key Consultant Qualifications (Maximum 10 points)			
a. Key consultants	Experience / ability of key consultants to perform effectively and collaboratively	0 - 5	
b. Proposed EDGE-certified Consultant participation*	One point for every 2 percent increase in Services compensation** over the EDGE participation goal	0 - 5	
4. Overall Team Qualifications (Maximum 10 points)			
a. Previous team collaboration	Less than 4 sample projects	1	Max = 3
	4 to 7 sample projects	2	
	More than 7 sample projects	3	
b. LEED*** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 7 projects	4 - 6	
	More than 7 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 3 projects	0 - 1	
	3 to 7 projects	2 - 3	
	More than 7 projects	4 - 5	
* Must be comprised of consulting firm(s) and NOT the lead firm ** Preconstruction Stage Compensation plus Contract Sum minus Subcontracted Work, Self-performed Work, and CM's Contingency *** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name

Harrison Hills CSD

Project Number SFC-160396

Date posted: March 9, 2016

Date revised: [If needed]

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. The description of the new facility indicates an approximate square footage as 190,544 excluding any LFI and a career technical program space of 6,315 SF. Is the CT square footage additive or included in the 190,544.
 - A. **Already included.**
2. One LFI is a fixed seat auditorium with a budget of approximately \$2.72 M. What is the seat count?
 - A. 800 seats are desired.
3. Will the facility have full production capabilities?
 - A. That will be budget dependent.
4. The LFI for additional square footage indicates “similar square footage”. At this point should we assume this to mean additional classroom space or has specific other program space been determined?
 - A. Classroom and board offices.
5. Please provide a description of the site enhancement scope of work?
 - A. This site is a former mine reclamation. Additional funds are for soil import / export, and enhanced foundations.
6. The RFQ also includes a statement that a site pre-evaluation has been performed by a consultant chosen by the District and that the additional LFI funds established are to address enhanced site work and enhanced foundations. If the pre-evaluation of the site included other than standard borings please identify what other measures were taken to determine the need for site and foundation enhancements?
 - A. Site evaluation report will be issued (attached)
7. Please identify the direct access to Route 250 and if ODOT requires an additional access will that access come out of the established budget for the project?
 - A. That has not been determined yet, but it will be project funds.

Geotechnical Engineering Report

**Preliminary Geotechnical Study
Harrison Hills City Schools – Site D**

Cadiz, Ohio

June 22, 2015

Terracon Project No. N4155098

Prepared for:

Harrison Hills City Schools
c/o SHP Leading Design
Columbus, Ohio

Prepared by:

Terracon Consultants, Inc.
Columbus, Ohio

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon



June 22, 2015

Harrison Hills City Schools
c/o SHP Leading Design
250 Civic Center Drive, Suite 200
Columbus, Ohio 43215

Attn: Mr. Joshua L. Predovich, AIA, LEED AP
T: [614] 223 2241
F: [614] 223 2130
M: [614] 230 4234
Email: jpredovich@shp.com

Re: Geotechnical Engineering Report
Preliminary Geotechnical Study
Harrison Hills City Schools – Site D
Cadiz, Ohio
Terracon Project No. N4155098

Dear Mr. Predovich:

Terracon Consultants, Inc. (Terracon) has completed the geotechnical engineering services for the above referenced project. This study was performed in general accordance with our proposal number PN4150208 and our agreement for services dated May 7, 2015. This report presents the findings of the subsurface exploration and provides preliminary geotechnical engineering recommendations regarding options for design and construction of the proposed school.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

Alma K. Baratta, P.E.
Senior Staff Engineer

Kevin M. Ernst, P.E.
Geotechnical Department Manager

Terracon Consultants, Inc. 800 Morrison Road Columbus, Ohio 43230
P [614] 863 3113 F [614] 863 0475 terracon.com

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EXECUTIVE SUMMARY

Terracon Consultants, Inc. has completed a preliminary geotechnical exploration for the proposed Harrison City Schools “Site D” to be located on a parcel on the east side of State Route 9, south of Cadiz, Ohio. Four (4) test borings, designated B-1 through B-4, drilled to depths ranging from approximately 65 to 77 feet below the existing ground surface.

Based on the information obtained from our subsurface exploration, the site can be developed for the proposed project. The following geotechnical considerations were identified:

- The test borings at the site indicated variable depth fill consisting of mine spoils across the central portions of the site, with native cohesive soils on the western portion of the site. The mine spoil fill and native soils were underlain by sedimentary bedrock. Areas of fill encountered in the borings corresponded to available mapping of previous strip mining activities.
- Based on the subsurface conditions encountered in the recent test borings and available mine mapping, the site does not appear to be suitable for development of conventional building foundations and slab-on-grade floors without implementation of ground improvement of the fill to reduce potential adverse total and differential settlement response to proposed structure.
- From a geotechnical engineering perspective, one of the concerns associated with development of the site is the presence and considerable and variable depths of the mine spoil fill material. Volume reduction of the fill can occur owing to various processes, such as collapse compression from crushing of rock to rock contact points upon wetting or long-term creep associated with self-weight of the mine spoils. Hydrocompression settlement can also occur from the presence of water (saturating or percolating through the fill). Softening, squeezing, consolidation, and internal erosion of particles into open voids can also occur.
- Direct foundation support on the existing fill and mine spoils is not recommended, due to the potential for large total and differential settlements of the building foundations. Settlement will also continue to occur for a long period of time.
- Selection of the appropriate foundation system will depend on the level of risk to the structure and costs related to minimizing the risk potential. Constructing the proposed building at the proposed site will require transferring the foundation loads to the stable bedrock using deep foundations such as drilled shafts (least risk option) or by improving the uncontrolled fill/mine spoil material by using ground modification techniques such as proprietary Geopier® Rammed Aggregate Piers or by undercutting and replacement of mine spoils (higher risk options).

Geotechnical Engineering Report

Harrison Hills City Schools – Site D ■ Cadiz, Ohio

June 22, 2015 ■ Terracon Project No. N4155098



- Deep Dynamic Compaction (DDC) can also be considered as a ground modification option, since in that it may provide for an economical alternative to the deep foundations, rammed aggregate piers or undercutting and replacement. A relatively complex, multiple phase compaction program that would be required for the predominantly clay fill/mine spoils encountered at this site.
- From a risk perspective, the deep foundation system with a structural type floor slab presents the least risk option relative to the potential distress to the building structure due to long term settlement/consolidation of the fill/mine spoil since the building loads are transferred to the underlying bedrock. The other options (Geopier® Rammed Aggregate Piers, partial undercut and replacement, dynamic compaction), reduce but do not eliminate the risk of damage/distress to the structure since these options replace or improve only a partial thickness of the existing fill/mine spoil, leaving unimproved fill/mine spoil material in place below the improved or replaced stratum.

This summary should be used in conjunction with the entire report for design purposes. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein. Section **5.0 GENERAL COMMENTS** should be read for an understanding of the report limitations.

**GEOTECHNICAL ENGINEERING REPORT
PRELIMINARY GEOTECHNICAL STUDY
HARRISON HILLS CITY SCHOOLS – SITE D
STATE ROUTE 9
CADIZ, OHIO
Terracon Project No. N4155098
June 22, 2015**

1.0 INTRODUCTION

Terracon Consultants, Inc. has completed a geotechnical exploration for the proposed Harrison Hills City Schools “Site D” to be located on a parcel on the east side of State Route 9, south of Cadiz, Ohio. Four (4) test borings, designated B-1 through B-4, were drilled to depths ranging from approximately 65 to 77 feet below the existing ground surface. Test boring logs along with a boring location plan (Exhibit A-3) are attached to this report.

The purpose of this subsurface exploration is to evaluate the pertinent geotechnical conditions at the proposed building site in order to develop preliminary geotechnical parameters which will assist planners and designers in evaluation of the site with respect to design and construction of earthwork, building foundations, floor slabs and pavements.

2.0 PROJECT INFORMATION

2.1 Project Description

ITEM	DESCRIPTION
Proposed Facility	New school facility, with buildings, drives, play fields and associated utilities infrastructure.
Structural Loads	Structural loading information was not provided.
Site Grading	Due to the preliminary nature of this project, a site grading plan is not available.

2.2 Site Location and Description

ITEM	DESCRIPTION
Site Location	See Exhibit A-2: Site Location Map The site, identified as “Site D” is located in Harrison County, Ohio south of Cadiz, Ohio, on the east side of State Route 9.
Current Site Conditions	The site is currently reclaimed surface mine land, covered in grass

	and shrubs, with some wooded areas.
Existing Topography	The existing site is gently rolling and generally slopes downwards towards the edges of the site. Based on information from Google Earth, elevations across the site generally range from about elevation 1100 to 1260 feet.
Previous Mine Mapping	See Exhibits C-4 and C-5. Previous strip mining has occurred across the central portion of the site. Abandoned Underground Mining has occurred adjacent to, but not directly beneath, the project site.

Should any of the above information or assumptions be inconsistent with the planned construction, please let us know so that we may make any necessary modifications to this report.

3.0 SUBSURFACE CONDITIONS

3.1 Typical Profile

In general, the borings across the center of the site (B-1, B-3, and B-4) encountered fill (mine spoils) associated with prior surface mining, which corresponds to available information provided by ODNR. Boring B-2 on the western edge of the site did not encounter fill. The bottom of fill depths ranged from about elevation 1161 to 1176 feet, corresponding to fill depths ranging from about 28 to 35 feet.

In general, the mine spoil encountered was heterogeneous fill consisting predominantly of lean clay and fat clay, with varying amounts of sand and sandstone, limestone, shale and coal fragments. The coloration of the fill included brown, gray, and black materials. Because there is sampling bias associated with using relatively small diameter spilt spoon samplers, and the known mine reclamation activities, it is likely that cobble and boulder size materials are present throughout much of the fill. Native materials, encountered in Boring B-2, consisted of lean clay and fat clay materials with varying amounts of gravel and exhibited stiff to very stiff consistencies. No native soil deposits were encountered between the bottom of the mine spoil fill and the top of bedrock in Borings B-1, B-3, and B-4.

Sedimentary bedrock encountered below the overburden materials consisted of sandstone, shale, claystone, limestone, and siltstone. Rock hardness was generally very soft to medium hard layers of claystone and siltstone and medium hard to hard layers of sandstone and limestone.

Conditions encountered at each boring location are indicated on the individual boring logs found in Appendix A. Stratification boundaries on the boring logs represent the approximate location of changes in soil types; in situ, the transition between materials may be gradual.

3.2 Water Level Observations

Groundwater readings were obtained during drilling and prior to rock coring operations. Groundwater was encountered at a depth of 44.7 feet in Boring B-3, and at a depth of 38 feet in Boring B-4 during drilling, but was not observed in Borings B-1 or B-2. The water encountered in these borings appeared to be trapped at the bottom of the mine spoil fill, just above bedrock.

It should be noted that because of the heterogeneous fill at the site, the presence and levels of groundwater will be highly variable across the site with characteristics that would be difficult to generalize. Water is likely to be perched within granular fill deposits encountered at the site. Excavations into these deposits would yield significant groundwater seepage. Actual groundwater levels can also vary with rainfall and other seasonal changes.

4.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

4.1 Geotechnical Considerations

The test borings at the site indicated variable depth fill consisting of mine spoils across the central portions of the site, with native cohesive soils on the western portion of the site. The mine spoil fill and native soils were underlain by sedimentary bedrock. Areas of fill encountered in the borings corresponded to available mapping of previous strip mining activities.

Based on the subsurface conditions encountered in the recent test borings and available mine mapping, the site does not appear to be suitable for development of conventional building foundations and slab-on-grade floors without implementation of ground improvement of the fill to reduce potential adverse total and differential settlement response to proposed structure.

Support of foundations, floor slab and pavements on or above existing fill soils is discussed in this report. However, even with the recommended construction testing, there is a risk that unsuitable materials within or buried by the fill will not be discovered. This risk cannot be eliminated without removing the fill but can be reduced by thorough exploration and testing during construction.

Soils prone to shrink/swell characteristics are present on this site. This report provides recommendations to help mitigate the effects of soil shrinkage and swell. However, even if these procedures are followed, some movement and cracking in the structure should be anticipated. The severity of cracking and other damage such as uneven floor slabs will probably increase if any modification of the site results in excessive wetting or drying of the shrink/swell prone soils. Eliminating the risk of movement and distress may not be feasible, but it may be possible to

further reduce the risk of movement if significantly more expensive measures are used during construction.

4.1.1 Mine Spoils

From a geotechnical engineering perspective, one of the concerns associated with development of the site is the presence and considerable and variable depths of the mine spoil fill material. From the borings and available mine mapping, deep mine spoils were encountered across the central portion of the site. Volume reduction of the fill can occur owing to various processes, such as collapse compression from crushing of rock-to-rock contact points upon wetting or long-term creep associated with the self-weight of the mine spoils. Hydrocompression settlement can also occur from the presence of water (saturating or percolating through the fill). Softening, squeezing, consolidation, and internal erosion of particles into open voids can also occur. Ground modification options will reduce the potential for settlement associated with these processes, but not necessarily eliminate them. It is differential settlement rather than the magnitude of total settlement that causes distortion and damage of buildings. Differential settlement can be attributed to a number of factors, including:

- variability of fill quality
- non-uniform distribution of loading
- variations in depth of fill

The significant issue with the encountered mine spoil material is that the mine spoils were placed with no compactive effort; therefore, building foundations placed on the existing mine spoil materials will be subjected to large total and differential settlement, due to the uncompacted nature of the mine spoils. All spoils settle regardless of placement procedures. The mine spoil depth is a major factor in the amount of settlement that occurs. Other important factors include moisture content during compaction, mix type, particle size distribution, groundwater conditions after placement, etc. In addition, the thickness of the mine spoils across the site currently varies, which can cause additional differential settlement of building foundations bearing in the mine spoils or within structural fill overlying the mine spoils due to foundation loads, self weight of the mine spoils and the weight of new fill. Since no compactive effort was used to place the mine spoils, voids likely exist in areas of the mine spoils which can cause further subsidence of the mine spoils. Based on available aerial photography, we estimate the mine spoils have been allowed to settle under their own weight for at least 20 years. Therefore, some of the settlement due to self-weight has likely already occurred. Mine spoil settlement diminishes with time. However, settlements can continue for many years, even decades, especially when aggravated by water infiltration.

Hydro-consolidation accounts for a large portion of the long-term settlements. Any site grading activities which increase the change of water build-up within the fill (construction of ponds or detention basins), can increase settlement potential. Surface drainage which can help to prevent a build-up of water in the fill should be considered in development of the site.

Finally, the mine spoils contain non-durable and unweathered shale fragments and possibly large intact pieces. If water enters the mine spoils and softens the shale constituents, subsidence can occur where nested structure exists between the shale fragments by weakening the point-to-point support of the shale fragments.

As a result, direct foundation support on the mine spoils is not recommended, due to the potential for large total, differential and sudden subsidence type settlement of the building foundations. Settlement will also continue to occur for a long period of time.

Selection of the appropriate foundation system will depend on the level of risk to the structure and costs related to minimizing the risk potential. Constructing the proposed building at the proposed site will require transferring the foundation loads to the stable bedrock using deep foundations such as drilled shafts (least risk option) or by improving the uncontrolled mine spoil material by using ground modification techniques such as proprietary Geopier® Rammed Aggregate Piers or by undercutting and replacement of mine spoils (higher risk options).

Deep Dynamic Compaction (DDC) (higher risk option) can also be considered as a ground modification option, since in that it may provide for an economical alternative to the deep foundations, rammed aggregate piers or undercutting and replacement. A relatively complex, multiple phase compaction program that would be required for the predominantly clay mine spoils encountered at this site. DDC generally consists of dropping a weight repeatedly on the ground at regularly spaced intervals. The impact of the weight creates stress waves that densifies the existing mine spoils.

From a risk perspective, the deep foundation system with a structural type floor slab presents the least risk option relative to the potential distress to the building structure due to long term settlement/consolidation of the mine spoil fill since the building loads are transferred to the underlying bedrock. The other options (Geopier® Rammed Aggregate Piers, partial undercut and replacement, dynamic compaction), reduce but do not eliminate the risk of damage/distress to the structure since these options replace or improve only a partial thickness of the existing mine spoil fill, leaving unimproved mine spoil material in place below the improved or replaced stratum.

Even with ground improvement being undertaken, the building structure system should be designed to tolerate differential settlement.

4.1.2 Reuse of On-Site Materials as Structural Fill

With the exception of organic soils, coal refuse soils and large boulders, we believe that the majority of the excavated mine spoil material will generally be suitable for reuse as structural fill. All structural fill should be placed in loose lifts no greater than 8 inches thick. Durable rock pieces and slabs having a thickness greater than 4 inches or any plan dimension greater than

24 inches should be removed from the fill or broken down to a suitable size. Durable rock pieces and slabs should be dispersed evenly across the fill and not be allowed to nest. Large rock pieces and slabs should be excluded from the upper 5 feet of fill to aid in the excavation for footings and fine grading operations. If deeper underground utilities are planned, the larger rock pieces and slabs should be excluded from the invert elevation of the utilities to the proposed finished grades. A rock rake will likely be required to remove the larger rock pieces and slabs.

The anticipated problems in reusing the mine spoil material as structural fill include:

- Moisture conditioning to near optimum conditions per ASTM D 698 or ASTM D 1557, and
- Using the unweathered shale fraction of the mine spoils for structural fill. If large portions of unweathered shale are encountered, then they will need to be placed in accordance with shale placement guidelines and considerably more effort will be required.
- Fat clays have the potential for shrink-swell action, thus should not be allowed to be placed within the zone 18 inches below the floor slab subgrade. A Low Volume change material (e.g. lean clay, granular materials) should be present below all floor slabs designed and constructed for this project.
- Shale should not be used as structural fill within 18 inches of building floor slab or pavement subgrade elevation of due to potential for expansion or shrink-swell behavior.

The mine spoil material may contain a large percentage of unweathered shale pieces and slabs and some pockets of shale fill. Shale is not considered a durable rock and can soften or disintegrate when exposed to water. When shale is compacted in a dry state and the pieces and slabs remain intact, the pieces and slabs can nest. When water is introduced to the shale fragments, the pieces and slabs lose their strength and become soft, which can result in subsidence of the fill. Therefore, when shale and rock pieces and slabs are encountered in the mine spoil excavations, special placement and compaction precautions will need to be taken to limit the collapse potential of the shale structural fill. Sufficient water needs to be added to the fill and the fill needs to be worked until the shale becomes a soil-like mass. In addition, the shale needs to be placed in thin lifts (8 inch maximum loose lifts) and compacted with several passes of heavy pad foot compaction equipment. Where the shale fragments are thoroughly mixed with clay in the excavated mine spoils, the material should be placed and compacted as a normal soil.

It is recommended that all structural fill be free of organics, debris, and other deleterious substances. The soil should have a liquid limit less than 40 and plasticity index of 22 or less and contain no inert constituents (rock pieces or cobbles) greater than 4 inches in maximum dimensions (except as described earlier concerning large rock pieces). If additional sources of structural fill are required, it is recommended that any off-site sources conform to these general

recommendations. Any materials proposed for reuse as structural fill should be subjected to laboratory testing to determine their suitability for reuse as structural fill.

4.1.3 Abandoned Underground Mines

Abandoned underground mines are mapped in the vicinity of, but not directly beneath, the subject property at an approximate mine elevation of 617 feet, or about 500 to 600 feet below the ground surface elevations across the site. Mine subsidence associated with deeper mines (overburden of more than 75 feet) is generally a “sag” type subsidence. Literature describes “sag” subsidence as a gentle, gradual settling of the surface that is associated with pillar crushing or pillar punching. The area of mine subsidence increases proportionally with the increasing width of the unsupported rock roof. The potential area of subsidence is equal to the extraction area plus an area surrounding the extraction measured by an angle up to 35 degrees, called the angle of draw, from the vertical edge of the extraction area. Thus, we would recommend the proposed structure be constructed beyond the anticipated angle of draw of the abandoned underground mines, or beyond a distance of 450 feet from the edge of the mine.

4.2 Foundation Options

The following options could be considered for support of the proposed building structures:

- Option 1: Deep Foundations consisting of a drilled shaft foundation system (least risk)
- Option 2: Ground improvement using Geopier® Rammed Aggregate Piers
- Option 3: A partial undercut and replacement with structural fill.
- Option 4: Deep Dynamic Compaction

From a risk perspective, the deep foundation system with a structural type floor slab presents the least risk option relative to the potential distress to the building structure due to long term settlement/consolidation of the fill since the building loads are transferred to the underlying bedrock. The other three options reduce, but do not eliminate, the risk of damage/distress to the structure since these options may replace or improve only a partial thickness of the existing fill, leaving unimproved fill material in place below the improved or replaced stratum.

In the following sections we have provided geotechnical engineering recommendations for each of these options.

4.2.1 Drilled Shaft Foundations

Drilled shafts penetrating the entire fill depth and bearing within the underlying bedrock can be considered for building support. The drilled shaft design will need to consider potential negative skin friction, due to the long-term settlement potential of the fill relative to the drilled shaft foundation. In lieu of drilled shafts, micropiles could be considered as a potential economical

deep foundation alternate. The micropile will require smaller diameter drilled holes and provided for high capacity deep foundation elements in situations where downdrag is an issue.

The constructability of the drilled shafts will have the largest impact on the economy of this foundation type. The presence of large boulders in the mine spoil material will slow drilling production significantly, since encountered boulders may have to be cored to allow further shaft excavation. The presence of cohesionless mine spoils would also likely require casing or slurry to support the open excavations during construction.

Supporting the building structure on drilled shafts would result in building settlement approximately equal to the elastic compression of the drilled shaft. For preliminary estimating purposes, an allowable end bearing capacity of 20 ksf can be used across the cross-sectional area of the drilled shaft. Additionally, for preliminary estimating purposes, it should be assumed that drilled shafts would bear within competent sedimentary bedrock at a minimum depth of at least one shaft diameter or 3 feet (whichever is greater) below the surface of the weathered bedrock in areas where the coal seam has been extracted completely by prior surface mining. Additional drilling and rock coring would be required to verify drilled shaft bearing capacity and bearing elevations. Minimum 30-inch diameters should be used for estimation purposes; however, the design diameters would depend on the estimated column and wall loads. Again, these capacities have not considered the impact of negative skin friction. Additional analyses would be required to develop detailed foundation design recommendations and measures to eliminate/reduce negative skin friction, if necessary.

Temporary casing of the drilled shafts should be anticipated since voids could be present in the mine spoils and some of the test borings encountered granular materials that may collapse without supporting the excavation with casing. Removal of boulders and existing voids in the mine spoils would increase the actual drilled pier concrete volumes well above the neat line volumes.

Using drilled shaft foundation support will support the building structure with little risk of total and differential building foundation settlement. However, drilled shafts will not eliminate or reduce the potential of floor slab-on-grade settlement due to floor load and long-term settlement of the mine spoils due to degradation and consolidation under its own weight.

The weight of any proposed new fill will cause settlement of the existing fill material, which could lead to differential settlement between portions of the building constructed on cut and fill. Settlement of the fill will also add downdrag loads to the drilled shafts. Therefore, any settlement due to new fill placement should be allowed to occur prior to constructing any drilled shafts, if they are used. A settlement monitoring program is recommended in areas of significant fill.

Additional drilling and geotechnical analyses would be required to further develop detailed drilled shaft design recommendations.

4.2.2 Geopier® Rammed Aggregate Piers

The patented Geopier® Rammed Aggregate Piers ground improvement option typically consists of 24 to 30-inch diameter drilled holes that are filled in thin lifts with highly compacted, well-graded aggregate to form very stiff, high density aggregate piers. The tamper is designed to produce significant lateral soil stress within the surrounding soil matrix, thereby stiffening the reinforced composite soil/aggregate mass. This type of ground improvement system could be used to improve the existing fill so as to allow for design and construction of conventional shallow spread footing type foundations and slab-on-grade floors for the proposed building structure. If the Geopier® Rammed Aggregate Piers option is chosen, we anticipate the spread footings could be designed for a net allowable bearing pressure of about 4,000 to 5,000 psf. The actual design bearing capacity would need to be further evaluated in consultation with the Geopier® design engineer.

Since design of these systems is proprietary, the design team should contact the Geopier® Company representative for additional design issues associated with this system.

The Geopier® Rammed Aggregate Piers would not only support the building foundations, but could also be designed and constructed to support the floor slab of the proposed building. Additionally, the designer could consider thickening the slab, providing additional reinforcing steel, and providing for closer than normal floor slab constructions joints. This type of floor slab should be design to “float” independently from the building structure so as to allow for differential settlements.

4.2.3 Partial Undercut and Replacement

Another method of improving the existing material is to perform a partial undercut and replacement of the upper 15 to 20 feet of existing fill material below the rough subgrade elevation of the building structure. Design undercuts would not be required in native soils unless areas of soft or loose soils were encountered. This undercutting scheme would involve stripping the building pad area of all vegetation and topsoil and then undercutting a minimum of 15 to 20 feet below existing grades in fill areas; and 15 to 20 feet below subgrade in cut areas as per a design undercutting plan. The lateral extent of this undercut should be to a distance of at least 10 feet beyond the perimeter of the proposed building footprint, measured at the bottom of the undercut. The bottom of the undercut would then need to be proofrolled using heavy pneumatic tired construction equipment, such as fully loaded tandem axle dump truck weighing at least 20 tons, to delineate any soft or highly disturbed areas in the presence of a geotechnical engineer. Soft areas would then need to be further undercut until firm soils are encountered or the exposed subgrade stabilized in place using geogrid and crushed No. 2 limestone. In areas where the bottom of the undercut is wet due to perched groundwater, stabilization may be needed before replacement with structural fill.

Once the subgrade is approved, structural fill should be used to fill to the desired grade. Structural fill may consist of borrow material or on-site materials, provided the material meets the structural fill requirements as recommended in section **4.1.2 Reuse of On-site Materials as Structural Fill**. On-site materials may require moisture conditioning prior to re-use as structural fill. Due to the shrink-swell potential of fat clay, on-site fat clay material it should not be used as structural fill within 18 inches of the floor slab subgrade level.

In addition, large boulders and floaters may be encountered within the existing materials. The actual distribution and volume of rock fragments and boulders is difficult to estimate based on test boring data. The rock pieces and slabs could be used in deeper portions of the replacement fill, up to 5 feet below finished grade or to the planned invert elevation of underground utilities, whichever is deeper. Large rock pieces and slabs will need to be laid out flat so that they cannot nest and will need to be well distributed throughout each lift. In addition, the thickness of the large pieces and slabs will need to be limited to 4 inches or less. Thicker pieces and slabs must first be broken up before incorporation into the fill or removed from the proposed fill materials. In the upper portion of the fill, rock rakes will need to be used to remove the large pieces and slabs having any dimension greater than 12 inches.

Perched water may be encountered within the mine spoil fill. Water seepage will likely need to be controlled using sumps and pumps. Perched water will also act to destabilize the temporary side slopes, possibly requiring flatter temporary slopes. If large volumes of seepage are encountered, more elaborate methods of dewatering may be required, such as well points or dewatering wells. The grading contractor, by his contract, is usually responsible for designing and constructing stable temporary excavations. Dewatering requirements are the responsibility of others.

Undercut and replacement of the existing fill occurring during winter and spring may be hindered by periods of heavy precipitation. Water will collect in the hole created by the undercut, causing the exposed soils to become unstable and possibly flood the excavation. Excavation and filling operations should be planned for the dry season. It is imperative for the partial undercut and replacement option that the structural backfill of the undercut be properly placed and compacted.

There are several unknowns if the partial undercut and replacement option is selected. The variability of groundwater (often perched within the fill) and its impact on a mass excavation need to be considered. Significant construction difficulties are anticipated due to the presence of perched groundwater and water softened soils. The success of this option is highly dependent on suitable weather conditions. The volume of large boulders and rock slabs, which will need to be processed, is not easily quantifiable using boring data.

Following undercut and replacement operations, building foundations and floor slabs designed to bear upon or within the structural fill would be constructed. For preliminary estimating purposes an allowable bearing capacity of 3000 psf can be used. The structural design should consider incorporation of appropriate design features to reduce the potential for distress due to differential settlement response of the structure, including thickened floor slabs, closer than normal construction joints and additional reinforcement of building foundations.

4.2.4 Deep Dynamic Compaction

The dynamic compaction technique of improving mine spoils would reduce the risk of long-term settlement, but not completely eliminate them. Dynamic compaction of the recently placed fill could also be considered if dynamic compaction of mine spoils is undertaken. The existing fill appears to be mostly clay soils, therefore a multiple pass/phase dynamic compaction program as described below would be needed for dynamic compaction of these fill materials.

Deep dynamic compaction (DDC) is a method of ground improvement that results from the application of high levels of energy at the ground surface. The energy is applied by repeatedly raising and dropping a tamper with a specified mass over a specified height. The tamper is lifted and dropped by a conventional crane with a single cable plus a winch that has a free spool attachment that allows the cable to unwind with minimal friction. The tamper energy of impact at the ground surface results in densification of the deposits to depths that are proportional to the energy applied. The main purpose of the DDC is to collapse voids in the upper portions of the mine spoil and compact the upper zone where foundation stresses are the greatest. Due to the fine grained nature of some of the existing fill/mine spoil, only minor compaction and densification will occur.

One of the additional merits of Deep Dynamic Compaction, particularly in mine spoil, is its inherent stiffness testing feature. Weak and strong areas are immediately identified during the field program by close monitoring of crater depths. When weaker areas (those that produce deeper craters) are noted, either additional energy or Dynamic Replacement is generally required. Dynamic Replacement involves backfilling of deeper craters with a rocky material and repounding this material into the crater until a noticeable decrease in crater formation is observed.

The existing fill/mine spoils at this site can likely be densified by means of dynamic compaction. Ordinarily wet clayey soils do not respond to dynamic compaction. However, the water table appears to be relatively deep. Even though the soil matrix consists of clayey soils, the upper portions of these deposits appear to be only partially saturated and capable of densification by impact. In addition, granular seams that are present within the clayey soil mass will aid in dissipation of pore water pressures as the soils are densified. There may be some locations where the perched water table is high and the densification methodology will need to be field modified by the specialty contractor based on their experience to achieve the desired compaction.

According to geotechnical literature, these materials would likely be considered “Intermediate Soil Deposits”. Dynamic compaction works in these soils but because of the lower than desired permeability, the energy must be applied using multiple phases of multiple passes. A multiple pass/phase design will have implications related to cost and construction schedule and must be considered in evaluation of alternates. Typically, the time duration between beginning of the primary pass and the initiation of secondary pass is sufficient for the required dissipation of excess pore pressures.

Unfortunately, dynamic compaction will not be effective through the entire depth of the mine spoil. It has been found from measurements on other mine spoil project sites that densification with conventional dynamic compaction equipment will occur to depths on the order of about 20 feet below the ground surface. The soil improvement is not uniform within the entire 20 feet; the upper zones will show the greatest improvement with gradual reduction with depth. The upper zone of mine spoil is generally in the loosest condition since the deeper portions of the mine spoil have may become partially consolidated due to the overburden surcharge pressures. An approximate 20 foot thick zone of densified soil will act as a soil mat with enhanced stiffness to make the upper portion of the soil more uniform and spread the loads from the structure.

Additional design of the deep dynamic compaction program would need to be undertaken by a contractor who specializes in dynamic compaction. If this option is selected, we recommend that a test pad be performed at the site during the design phase to evaluate the effectiveness of the compaction and to provide information to optimize final design and construction.

Following dynamic compaction operations, building foundations and floor slabs designed to bear upon or within the structural fill would be constructed. For preliminary estimating purposes an allowable bearing capacity of 3000 psf can be used. The structural design should consider incorporation of appropriate design features to reduce the potential for distress due to differential settlement response of the structure, including thickened floor slabs, closer than normal construction joints and additional reinforcement of building foundations.

4.3 Other Considerations

4.3.1 Surface and Subsurface Drainage

Since subsidence of uncontrolled mine spoils can occur when water is introduced to the soil, control of subsurface and surface water is very important. Surface grades should be directed away from the building and pavement areas to suitable collection points (drainage swales and storm sewers) that are capable of removing the surface water from the site, so that infiltration into the mine spoils does not occur. In addition, water collected in roof scuppers or downspouts should also be directed away from the building and pavement areas and drained to a suitable outlet.

Where swales dissect the site, their throats should have a permanent subsurface drain (free-draining crushed stone wrapped in filter fabric) installed to intercept and remove any subsurface water that attempts to follow filled-in swales. The subsurface drains should gravity drain to a suitable outlet and be drained from the site. Allowances will also need to be made to collect the surface water currently carried by existing swales and carry it around the site or through the site in a manner that reduces infiltration that could add water to the mine spoils. Water in the mine spoils could result in subsidence of the soil due to piping of fine grained material into existing voids or softening the point to point contact of large non-durable rock pieces and slabs that are nested.

In addition, all utility connections at the building interface should be flexible, so that total and differential settlement of the building does not cause utility leaks. Leaking utilities could add water to the uncontrolled mine spoils and cause subsidence of the material.

4.3.2 Stormwater Ponds

Any stormwater pond will need to be lined to limit adding water to the uncontrolled mine spoils. If a clay liner is used, the material should consist of predominantly clay and silt size particles (minimum 70%), and no particles over 3 inches in any dimension should be allowed in the liner material. The minimum clay liner thickness should be 3 feet measured perpendicular from the slope face or the bottom of the pond. To reduce the permeability of the clay liner soil, we recommend that the clay liner be compacted to 98% Standard Proctor maximum dry density at +1 to +3% optimum moisture content. The clay liner should be placed in 8 inch thick maximum loose lifts and be compacted using a sheepsfoot or padded foot compactor. Consideration should be given to using HDPE liners for further reduction of water infiltration.

Retention ponds should be avoided, since ponds constantly holding water have a better chance of adding water to the mine spoils over the life of the structure. Any stormwater ponds should be constructed away from the pavement and building areas to limit collapse potential beneath building and pavement areas.

4.3.3 Underground Utilities

It is recommended that all footings adjacent to underground utility trenches be extended below the zone of influence of the trench; that is, below a 2H:1V slope extended upward from the base of the trenches. Preferably, all footings should bear at or below the elevation of the bottom of the utility trenches. Where utilities pass below foundations, the foundations should be bridged across the utility to prevent transfer of the foundation load onto the utility pipes.

We recommend that temporary excavations for the utilities be in accordance with OSHA Safety Regulations. The recommended temporary slopes were presented earlier. Note that there is a potential for some localized wet zones and sloughing, which may require flatter slopes or some localized bracing or remedial "dental" work or redressing.

Utility lines that connect to the building should incorporate flexible connections. Additionally consideration should be given to supporting critical utility lines upon structured fill placed within an undercut below the line.

4.3.4 Pavement Areas – Subgrade Preparation

Subgrades for new drives and parking areas in mine spoil should be developed by undercutting the mine spoils and backfilling the undercut exception with structured fill. For preliminary estimating purposes the depth of the undercut should extend to a depth of at least 3 feet below the design subgrade level of pavement sections. The undercut should extend at least 3 feet beyond the edge of paved areas.

4.4 Seismic Design

The Ohio Building Code (OBC) follows International Building Code (IBC) with regards to seismic guidelines. As part of the OBC, the seismic properties of the overburden soils and bedrock are utilized to determine the site seismic classification. The Seismic Site Class is determined by evaluation of the shear wave velocities of the overburden soil and bedrock to a depth of 100 feet.

Based on the soil conditions encountered at the site, a Site Class C is warranted. Additional site specific testing to determine shear wave velocity would be needed to further refine the Site Class.

5.0 GENERAL COMMENTS

Terracon should be retained to review the preliminary design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide additional geotechnical exploration required for final design and to provide observation and testing services during grading, excavation, foundation construction and other earth-related construction phases of the project.

The analysis and recommendations presented in this report are based upon the data obtained from the borings performed at the indicated locations and from other information discussed in this report. This report does not reflect variations that may occur between borings, across the site, or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. If variations appear, we should be immediately notified so that further evaluation and supplemental recommendations can be provided.

Geotechnical Engineering Report

Harrison Hills City Schools – Site D ■ Cadiz, Ohio

June 22, 2015 ■ Terracon Project No. N4155098



Support of foundations, floor slab and pavements on or above existing fill soils is discussed in this report. However, even with the recommended construction testing, there is a risk that unsuitable materials within or buried by the fill will not be discovered. This risk cannot be eliminated without removing the fill but can be reduced by thorough exploration and testing during construction.

Soils prone to shrink/swell characteristics are present on this site. This report provides recommendations to help mitigate the effects of soil shrinkage and swell. However, even if these procedures are followed, some movement and cracking in the structure should be anticipated. The severity of cracking and other damage such as uneven floor slabs will probably increase if any modification of the site results in excessive wetting or drying of the shrink/swell prone soils. Eliminating the risk of movement and distress may not be feasible, but it may be possible to further reduce the risk of movement if significantly more expensive measures are used during construction.

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support, and dewatering requirements are the responsibility of others. In the event that changes in the nature, design, or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing.

APPENDIX A
FIELD EXPLORATION

Field Exploration Description

The subsurface exploration consisted of drilling and sampling four (4) borings at the site to depths of about 65 to 77 feet below existing grades. The approximate boring locations are indicated on the attached Boring Location Plan. The borings were staked in the field by Terracon personnel using a handheld GPS unit. Elevations of the ground surface at the boring locations were determined from Google Earth. Elevations indicated on the boring logs are rounded to the nearest ½ foot. The locations and elevations of the borings should be considered accurate only to the degree implied by the means and methods used to define them.

These borings were drilled with an ATV-mounted rotary drill rig using continuous flight hollow-stem augers to advance the boreholes. Samples of the soil encountered in the borings were obtained using the split barrel sampling procedures.

In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound auto-hammer with a free fall of 30 inches, is the standard penetration resistance value (SPT-N). This value is used to estimate the in-situ relative density of cohesionless soils and consistency of cohesive soils.

An automatic SPT hammer was used to advance the split-barrel sampler in the borings performed on this site. A significantly greater efficiency is achieved with the automatic hammer compared to the conventional safety hammer operated with a cathead and rope. This higher efficiency has an appreciable effect on the SPT-N value. The effect of the automatic hammer's efficiency has been considered in the interpretation and analysis of the subsurface information for this report.

Rock coring was performed using a NQ2-size double tube-swivel core barrel. Percent recovery and rock quality designation (RQD) were calculated for the core samples and are noted at their depths of occurrence on the boring logs. RQD is the percent of total length cored consisting only of rock pieces at least 4 inches or more in length and is a measure of the integrity of the rock mass in-situ. Rock quality, in terms of RQD, can generally be designated as excellent (90%-100%), good (75%-90%), fair (50%-75%), poor (25%-50%) and very poor (<25%). The recovered samples were sent to the laboratory for testing and classification.

The samples were tagged/marked for identification, sealed to reduce moisture loss, and taken to our laboratory for further examination, testing, and classification. Information provided on the boring logs attached to this report includes soil and bedrock descriptions, consistency evaluations, boring depths, sampling intervals, and any groundwater conditions. The borings were backfilled with auger cuttings prior to the drill crew leaving the site.

A field log of each boring was prepared by the drill crew. These logs included visual classifications of the materials encountered during drilling, as well as, the driller's interpretation of the subsurface conditions between samples. Final boring logs included with this report represent the engineer's

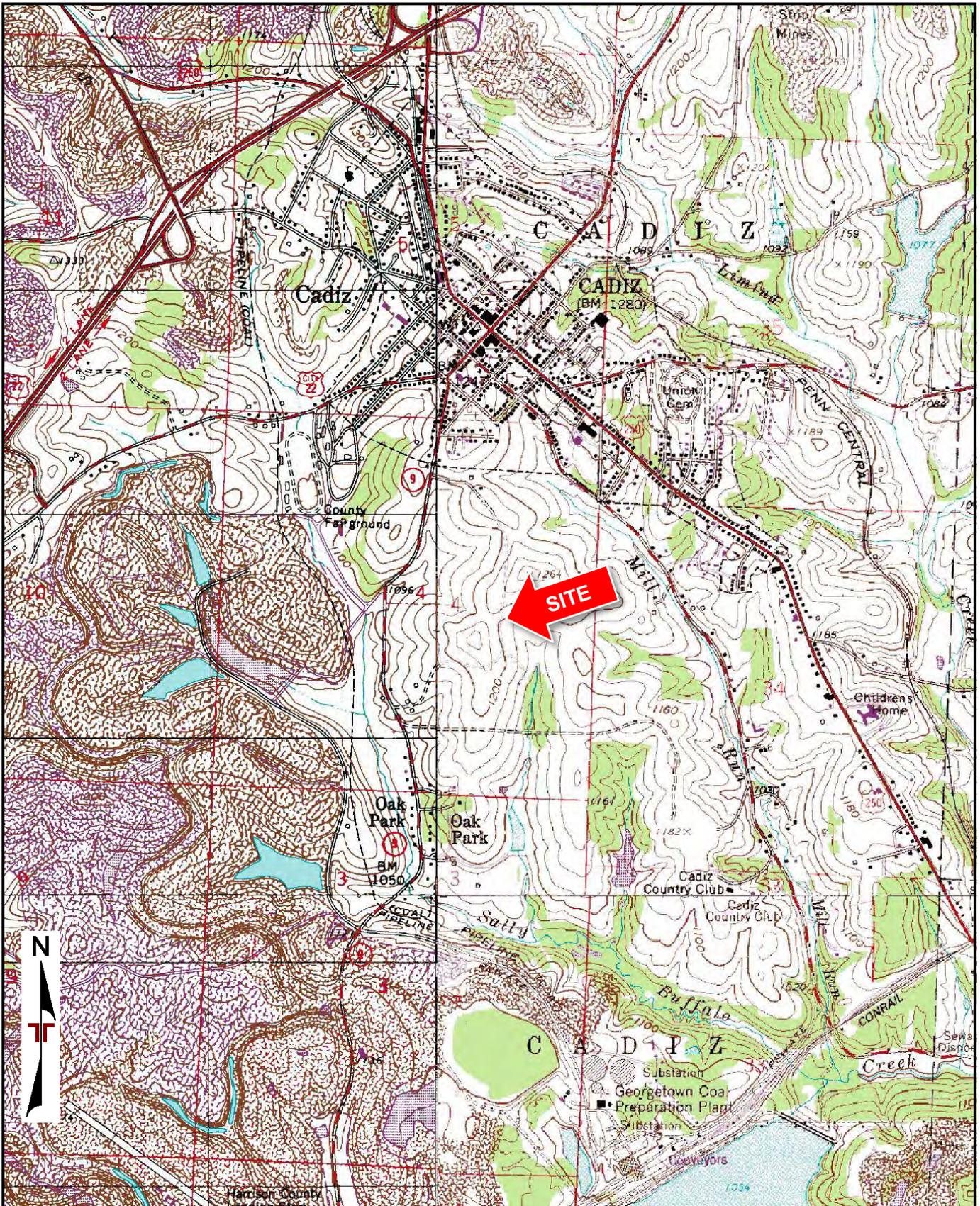
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interpretation of the field logs and include modifications based on laboratory observation and tests of the samples.



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: JEWETT, OH (1/1/1994), CADIZ, OH (1/1/1976), FLUSHING, OH (1/1/1994) and HARRISVILLE, OH (1/1/1985).

Project Manager:	KME
Drawn by:	AKB
Checked by:	KME
Approved by:	KME
Project No.	N4155098
Scale:	1"=24,000 SF
File Name:	N4155098
Date:	June 2015

Terracon
 800 Morrison Rd.
 Columbus, OH 43230

SITE LOCATION MAP
 Harrison Hills City Schools
 State Route 9
 Cadiz, OH

Exhibit
A-2

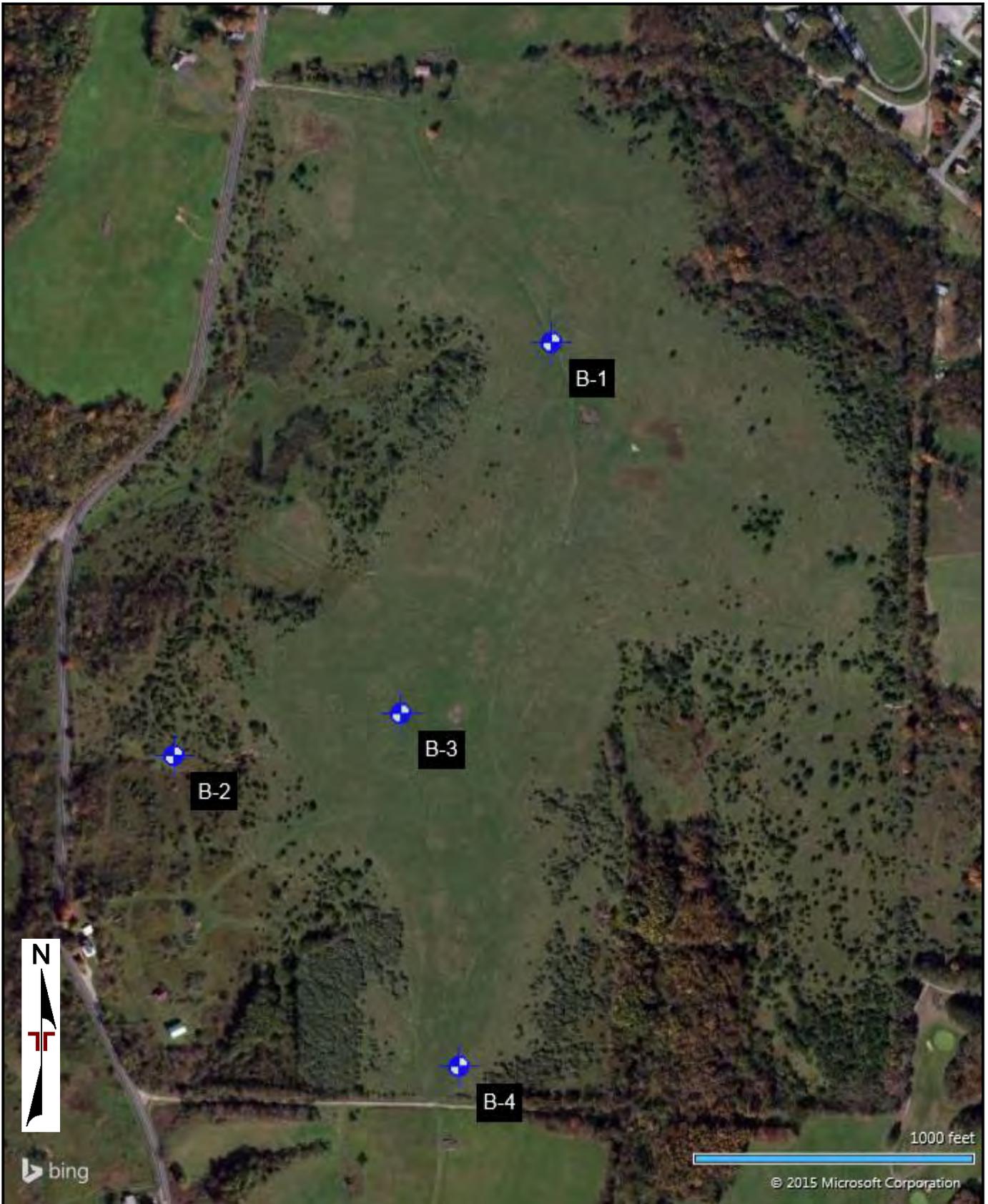


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Manager:	KME
Drawn by:	AKB
Checked by:	KME
Approved by:	KME
Project No.	N4155098
Scale:	AS SHOWN
File Name:	N4155098
Date:	June 2015

Terracon
 800 Morrison Rd.
 Columbus, OH 43230

BORING LOCATION PLAN

Harrison Hills City Schools
 State Route 9
 Cadiz, OH

Exhibit
A-3

BORING LOG NO. B-1

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.264266° Longitude: -80.996277° Approximate Surface Elev: 1211 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
0.4	TOPSOIL (5") 1210.5+/-							
3.0	FILL - LEAN CLAY WITH GRAVEL (CL) , trace shale and coal fragments, brown 1208+/-			X	18	6-6-7 N=13		
5.5	FILL - LEAN CLAY WITH GRAVEL (CL) , trace rock (limestone) fragments, gray 1205.5+/-	5		X	8	24-14-13 N=27		
8.0	FILL - FAT CLAY WITH GRAVEL (CH) , (shale and limestone fragments), brown and gray 1203+/-			X	5	2-4-3 N=7		
10.0	FILL - LIMESTONE FRAGMENTS , gray 1203+/-	10		X	8	14-6-9 N=15		
13.0	FILL - FAT CLAY (CH) , trace coal and shale fragments, brown 1198+/-	15		X	10	3-2-4 N=6		
20.0		20		X	6	3-4-6 N=10		
23.0	FILL - FAT CLAY (CH) , trace limestone fragments, brown 1188+/-	25		X	8	8-8-9 N=17		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

No water observed while drilling



Boring Started: 5/27/2015

Boring Completed: 6/2/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

BORING LOG NO. B-1

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.264266° Longitude: -80.996277° Approximate Surface Elev: 1211 (Ft.) +/- DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
28.0	FILL - FAT CLAY (CH) , trace limestone fragments, brown <i>(continued)</i>	1183+/-						
35.0	FILL - SHALE FRAGMENTS WITH CLAY , trace coal fragments, dark brown	1176+/-		6		10-10-11 N=21		
37.2	SANDSTONE , gray, moderately open to moderately wide joints, close joints, thin bedding, severely weathered, moderately hard	1174+/-						
38.0	LIMESTONE , gray, moderately open to open joints, close joints, thin bedding, severely weathered, moderately hard, argillaceous	1173+/-		14		3-11-50/3"		
40.2	CLAYSTONE , gray, open joints, very close to close, thin bedding, very severely weathered, soft	1171+/-						
46.0	LIMESTONE , gray, slight to open joints, close joints, medium bedding, severely weathered, moderately hard	1165+/-		58			43	
49.0	SHALE , gray to brown, slightly open to open joints, very close joints, thin bedding, severely weathered, soft	1162+/-		57			58	
60	SANDSTONE , gray, moderately open to open joints, close joints, thin to medium bedding, moderately severely weathered, moderately hard	1162+/-		60			33	
60	SANDSTONE , gray, moderately open to open joints, close joints, thin to medium bedding, moderately severely weathered, moderately hard	1162+/-		60				

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method: 3.25" Hollow Stem Auger	See Exhibit A-1 for description of field procedures See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations. Elevations obtained from Google Earth	Notes:
Abandonment Method: Boring backfilled with cement/bentonite grout upon completion.		
WATER LEVEL OBSERVATIONS No water observed while drilling	800 Morrison Road Columbus, Ohio	Boring Started: 5/27/2015 Boring Completed: 6/2/2015 Drill Rig: ATV Driller: McMurray Project No.: N4155098 Exhibit: A-4

BORING LOG NO. B-1

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.264266° Longitude: -80.996277° Approximate Surface Elev: 1211 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
55.5	SANDSTONE , gray, moderately open to open joints, close joints, thin to medium bedding, moderately severely weathered, moderately hard (<i>continued</i>) 2" shale seam @ 52.5'	55			60		40	
57.5	CLAYSTONE , gray, open to moderately wide joints, very close joints, thin bedding, very severely to completely weathered, very soft	57.5						
58.5	LIMESTONE , gray, mid open to open joints, close joints, thin bedding, severely weathered, moderately hard to hard	58.5			60		50	
63.0	CLAYSTONE , gray, moderately open to open joints, very close to close joints, thin bedding, very severely weathered, very soft	63.0						
65.0	LIMESTONE , gray, open to moderately wide joints, very close joints, thin bedding, very severely weathered, moderately hard to hard	65.0			14		0	
Boring Terminated at 65 Feet		65						
		70						
		75						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method: 3.25" Hollow Stem Auger	See Exhibit A-1 for description of field procedures See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations. Elevations obtained from Google Earth	Notes:
Abandonment Method: Boring backfilled with cement/bentonite grout upon completion.		
WATER LEVEL OBSERVATIONS		
<i>No water observed while drilling</i>	Boring Started: 5/27/2015 Drill Rig: ATV Project No.: N4155098	Boring Completed: 6/2/2015 Driller: McMurray Exhibit: A-4

BORING LOG NO. B-2

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260216° Longitude: -81.001126° Approximate Surface Elev: 1135 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
0.4	TOPSOIL (5")	1134.5+/-		X	7	2-4-5 N=9		
1.5	LEAN CLAY (CL) , trace organics, brown, stiff	1133.5+/-		X	6	3-3-5 N=8		
5.5	LEAN CLAY (CL) , trace gravel, brown, stiff	1129.5+/-		X	6	4-5-6 N=11		2.5 (HP)
8.0	SANDY LEAN CLAY WITH GRAVEL (CL) , and sandstone fragments, brown, very stiff	1127+/-		X	14	7-14-24 N=38		1.5 (HP)
13.0	FAT CLAY (CH) , (completely weathered shale), brown, very stiff	1122+/-		X	13	3-5-9 N=14		
18.0	SANDSTONE , brown, very severely weathered, soft	1117+/-		X	14	21-27-24 N=51		
23.0	SHALE , gray, very severely weathered, soft to medium hard	1112+/-		X	2	50/2"		
	CLAYSTONE , reddish-brown to maroon, very severely weathered, soft			X	5	50/5"		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

No water observed



Boring Started: 6/4/2015

Boring Completed: 6/5/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-5

BORING LOG NO. B-2

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260216° Longitude: -81.001126° Approximate Surface Elev: 1135 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
33.0	CLAYSTONE , reddish-brown to maroon, very severely weathered, soft <i>(continued)</i>	1102+/-			4	26-26-38 N=64		
39.0	SHALE , gray, very severely weathered, soft to medium hard	1096+/-			2	50/2"		
39.0	SANDSTONE , gray to dark gray, slightly open to open joints, close to moderately close joints, medium to thick bedding, moderately weathered, moderately hard	1096+/-			1 24	50/1"	70	
		45			60		58	
		50			60		95	
		55			60			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS
<i>No water observed</i>



Boring Started: 6/4/2015	Boring Completed: 6/5/2015
Drill Rig: ATV	Driller: McMurray
Project No.: N4155098	Exhibit: A-5

BORING LOG NO. B-2

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260216° Longitude: -81.001126° Approximate Surface Elev: 1135 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
DEPTH								
55	<p>SANDSTONE, gray to dark gray, slightly open to open joints, close to moderately close joints, medium to thick bedding, moderately weathered, moderately hard <i>(continued)</i></p>	55			60		87	
60		60			60		88	
65		65			60		68	
70		70			60		88	
75		75			57		73	
74.5	1060.5+/-							
77.0	1058+/-							
	Boring Terminated at 77 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Exhibit A-1 for description of field procedures

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.

Elevations obtained from Google Earth

Notes:

WATER LEVEL OBSERVATIONS
<i>No water observed</i>

800 Morrison Road
Columbus, Ohio

Boring Started: 6/4/2015	Boring Completed: 6/5/2015
Drill Rig: ATV	Driller: McMurray
Project No.: N4155098	Exhibit: A-5

BORING LOG NO. B-3

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260628° Longitude: -80.998212° Approximate Surface Elev: 1205 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	LABORATORY TORVANE/HP (tsf)
	0.5 TOPSOIL (6") 1204.5+/-			X	7	3-7-11 N=18		
	FILL - LEAN CLAY (CL) , trace organics, brown			X	8	9-5-4 N=9		
	3.0 FILL - SHALE FRAGMENTS , trace sand, dark gray 1202+/-			X	10	2-6-4 N=10		
	5.5 FILL - LEAN CLAY (CL) , trace shale fragments, trace coal fragments, brown 1199.5+/-		5	X	6	0-2-3 N=5		
	13.0 FILL - LEAN CLAY WITH COAL FRAGMENTS (CL) , dark brown to black 1192+/-		10	X	6	2-3-4 N=7		
	18.0 FILL - LEAN CLAY WITH ROCK FRAGMENTS (CL) , brown 1187+/-		15	X	13	2-2-4 N=6		
	23.0 FILL - LEAN CLAY (CL) , trace sand and shale fragments, gray 1182+/-		20	X	6	4-6-9 N=15		
		25		X	10	4-4-7 N=11		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

∇ Water observed at 44.7 feet while drilling
No water observed before coring



Boring Started: 6/2/2015

Boring Completed: 6/3/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-6

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

BORING LOG NO. B-3

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260628° Longitude: -80.998212° Approximate Surface Elev: 1205 (Ft.) +/- DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
	FILL - LEAN CLAY (CL) , trace sand and shale fragments, gray (<i>continued</i>)	28.0 1177+/-						
	FILL - FAT CLAY (CL) , trace shale fragments, gray	33.0 1172+/-			11	2-3-6 N=9		
	FILL - LEAN CLAY (CL) , trace shale fragments, gray	38.0 1167+/-			12	4-5-7 N=12		
	FILL - LEAN CLAY WITH SHALE FRAGMENTS (CL) , gray and dark brown	43.0 1162+/-			13	7-8-7 N=15		
	SHALE , trace root hairs, gray, completely weathered	45.0 1160+/-		▽			50/3"	
	LIMESTONE , gray, tight joints, close joints, thin bedding, moderately weathered, hard	46.4 1158.5+/-						73
	CLAYSTONE , gray, tight joints, close joints, thin bedding, very severely weathered, soft	49.4 1155.5+/-				47		
	LIMESTONE , gray, tight joints, close joints, thin bedding, severely weathered, hard	50.0 1155+/-						
	SANDSTONE , gray, slightly open to open joints, close joints, medium bedding, severely weathered, moderately hard to hard					59		83
	Stratification lines are approximate. In-situ, the transition may be gradual.		Hammer Type: Automatic					

Advancement Method:
3.25" Hollow Stem Auger

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Exhibit A-1 for description of field procedures

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.

Elevations obtained from Google Earth

Notes:

WATER LEVEL OBSERVATIONS

▽ Water observed at 44.7 feet while drilling

No water observed before coring



Boring Started: 6/2/2015	Boring Completed: 6/3/2015
Drill Rig: ATV	Driller: McMurray
Project No.: N4155098	Exhibit: A-6

BORING LOG NO. B-3

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.260628° Longitude: -80.998212° Approximate Surface Elev: 1205 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
57.0	SANDSTONE , gray, slightly open to open joints, close joints, medium bedding, severely weathered, moderately hard to hard <i>(continued)</i> 1148+/-	55			59			
58.6	SANDSTONE , gray and brown, moderately open to open joints, very close joints, thin bedding, very severely weathered, moderately hard 1146.5+/-				60		47	
60.4	SILTSTONE , gray, slightly open joints, close joints, thin bedding, very severely weathered, soft 1144.5+/-	60						
61.2	CLAYSTONE , gray, open joints, very close joints, thin bedding, completely weathered, very soft 1144+/-				60		27	
62.8	LIMESTONE , gray, slightly open joints, close joints, thin bedding, severely weathered, hard 1142+/-							
70.0	CLAYSTONE , gray, slightly open joints, close joints, thin bedding, very severely to completely weathered, soft 6" very soft seam @ 64' 1135+/-	65			60		17	
72.4	CLAYSTONE , gray and maroon, slightly open to open joints, close joints, thin bedding, very severely weathered, very soft 1132.5+/-	70			60		47	
75.0	CLAYSTONE , gray trace maroon, slightly open to moderately open joints, close joints, thin bedding, very severely weathered, very soft 1130+/-	75						
Boring Terminated at 75 Feet								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

Water observed at 44.7 feet while drilling
No water observed before coring



Boring Started: 6/2/2015

Boring Completed: 6/3/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-6

BORING LOG NO. B-4

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE. N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.25717° Longitude: -80.997464° Approximate Surface Elev: 1189 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	LABORATORY TORVANE/HP (tsf)
0.3	TOPSOIL (4")	1188.5+/-		X	6	2-2-4 N=6		
1.5	FILL - LEAN CLAY (CL) , trace shale fragments, trace root hairs, brown	1187.5+/-		X	8	5-5-6 N=11		
3.5	FILL - FAT CLAY WITH SHALE FRAGMENTS (CH) , brown	1185.5+/-		X	7	4-6-4 N=10		
5.5	FILL - LEAN CLAY (CL) , trace rock fragments, gray	1183.5+/-		X	12	8-9-12 N=21		
13.0	FILL - LEAN CLAY WITH SHALE FRAGMENTS (CL) , brown	1176+/-		X	9	4-20-16 N=36		
18.0	FILL - LEAN CLAY (CL) , trace shale fragments and rock fragments, brown	1171+/-		X	11	6-7-8 N=15		
23.0	FILL - LEAN CLAY WITH ROCK FRAGMENTS (CL) , brown	1166+/-		X	6	5-7-7 N=14		
				X	4	6-12-24 N=36		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

∇ Water observed at 38 feet while drilling
No water observed before coring



Boring Started: 6/3/2015

Boring Completed: 6/4/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-7

BORING LOG NO. B-4

PROJECT: Harrison Hills City Schools

CLIENT: Harrison Hills City Schools
Columbus, Ohio

SITE: Site D
Cadiz, Ohio

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.25717° Longitude: -80.997464° Approximate Surface Elev: 1189 (Ft.) +/- ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
28.0	FILL - LEAN CLAY WITH ROCK FRAGMENTS (CL) , brown (continued)	1161+/-						
33.0	SHALE , brown, completely weathered, soft	1156+/-			2	50/2"		
38.0	SHALE , gray, completely weathered, soft	1151+/-	▽		3	50/3"		
40.0	SANDSTONE , gray, slightly open to open joints, close joints, thin bedding, severely weathered, medium hard	1149+/-						
41.8	SILTSTONE , gray, open joints, close joints, thin bedding, severely to very severely weathered, medium hard	1147+/-			60		30	
43.5	CLAYSTONE , gray, slightly open to open joints, close joints, thin bedding, very severely weathered, soft	1145.5+/-						
45.0	LIMESTONE , gray, moderately open joints, close joints, thin bedding, very severely weathered, moderately hard 4" claystone seam @ 46.2'	1144+/-						
47.5	2" claystone seam @ 47' CLAYSTONE , slightly open to moderately wide joints, close joints, thin bedding, very severely to completely weathered, soft 2" limestone seam @ 50.4' 6" limestone seam @ 51.2'	1141.5+/-			60		43	
					58			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

▽ Water observed at 38 feet while drilling
No water observed before coring



Boring Started: 6/3/2015

Boring Completed: 6/4/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-7

BORING LOG NO. B-4

PROJECT: Harrison Hills City Schools

**CLIENT: Harrison Hills City Schools
Columbus, Ohio**

**SITE: Site D
Cadiz, Ohio**

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE N4155098 HARRISON HILLS CITY SCHOOLS.GPJ TERRACON2012.GDT 6/22/15

GRAPHIC LOG	LOCATION See Exhibit A-3 Latitude: 40.25717° Longitude: -80.997464° Approximate Surface Elev: 1189 (Ft.) +/- DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROD (%)	LABORATORY TORVANE/HP (tsf)
52.8	LIMESTONE , gray, moderately open to open joints, very close to close joints, thin bedding, very severely weathered, moderately hard to hard	1136+/-			58		30	
55.0	6" claystone seam @ 54.5' SILTSTONE , gray, tight to open joints, close joints, thin to medium bedding, severely weathered, medium to moderately hard, calcareous	1134+/-						
58.3	LIMESTONE , gray, open to moderately wide joints, close joints, medium bedding, very severely weathered, medium hard to hard	1130.5+/-			60		80	
60.2	2" siltstone seam @ 60' SANDSTONE , gray, moderately open to open joints, close to moderately close joints, medium bedding, severely to very severely weathered, moderately hard, calcareous, pyritic crystals @ 61' iron oxide staining @ 62' - 62.6' 2" claystone and 3" siltstone seams @ 62.6'	1129+/-			60		72	
65.0	LIMESTONE , dark gray with maroon and olive staining, moderately open to open joints, close to moderately close joints, medium bedding, severely weathered, moderately hard	1124+/-						
67.4	CLAYSTONE , gray, slightly open to moderately open joints, close joints, thin bedding, very severely weathered, soft to medium hard	1121.5+/-			60		57	
69.0	SANDSTONE , gray, tight joints, close joints, thin bedding, moderately weathered, medium hard	1120+/-						
69.7	SILTSTONE , gray, tight joints, close joints, thin bedding, very severely weathered, soft to medium	1119.5+/-						
70.0	CLAYSTONE , maroon, tight to moderately open joints, close joints, thin to medium bedding, severely weathered, soft to medium	1119+/-			60		67	
75.0	Boring Terminated at 75 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-1 for description of field procedures

Notes:

Abandonment Method:
Boring backfilled with cement/bentonite grout upon completion.

See Appendix B for description of laboratory procedures and additional data (if any).

See Appendix C for explanation of symbols and abbreviations.
Elevations obtained from Google Earth

WATER LEVEL OBSERVATIONS

Water observed at 38 feet while drilling
No water observed before coring



Boring Started: 6/3/2015

Boring Completed: 6/4/2015

Drill Rig: ATV

Driller: McMurray

Project No.: N4155098

Exhibit: A-7

APPENDIX B
SUPPORTING DOCUMENTS

GENERAL NOTES

DESCRIPTION OF SYMBOLS AND ABBREVIATIONS

SAMPLING				WATER LEVEL		Water Initially Encountered	FIELD TESTS	(HP) Hand Penetrometer
						Water Level After a Specified Period of Time		(T) Torvane
						Water Level After a Specified Period of Time		(b/f) Standard Penetration Test (blows per foot)
	Auger	Shelby Tube	Split Spoon					(OVA) Organic Vapor Analyzer
	Rock Core	Macro Core	Modified California Ring Sampler		Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.			
	Grab Sample	No Recovery	Modified Dames & Moore Ring Sampler					

DESCRIPTIVE SOIL CLASSIFICATION

Soil classification is based on the Unified Soil Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

LOCATION AND ELEVATION NOTES

Unless otherwise noted, Latitude and Longitude are approximately determined using a hand-held GPS device. The accuracy of such devices is variable. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

STRENGTH TERMS	RELATIVE DENSITY OF COARSE-GRAINED SOILS (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance Includes gravels, sands and silts.			CONSISTENCY OF FINE-GRAINED SOILS (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
	Descriptive Term (Density)	Standard Penetration or N-Value Blows/Ft.	Ring Sampler Blows/Ft.	Descriptive Term (Consistency)	Unconfined Compressive Strength, Qu, tsf	Standard Penetration or N-Value Blows/Ft.
Very Loose	0 - 3	0 - 6	Very Soft	less than 0.25	0 - 1	< 3
Loose	4 - 9	7 - 18	Soft	0.25 to 0.50	2 - 4	3 - 4
Medium Dense	10 - 29	19 - 58	Medium-Stiff	0.50 to 1.00	4 - 8	5 - 9
Dense	30 - 50	59 - 98	Stiff	1.00 to 2.00	8 - 15	10 - 18
Very Dense	> 50	≥ 99	Very Stiff	2.00 to 4.00	15 - 30	19 - 42
			Hard	> 4.00	> 30	> 42

RELATIVE PROPORTIONS OF SAND AND GRAVEL

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

RELATIVE PROPORTIONS OF FINES

Descriptive Term(s) of other constituents	Percent of Dry Weight
Trace	< 5
With	5 - 12
Modifier	> 12

GRAIN SIZE TERMINOLOGY

Major Component of Sample	Particle Size
Boulders	Over 12 in. (300 mm)
Cobbles	12 in. to 3 in. (300mm to 75mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 sieve (0.075mm)

PLASTICITY DESCRIPTION

Term	Plasticity Index
Non-plastic	0
Low	1 - 10
Medium	11 - 30
High	> 30

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification		
				Group Symbol	Group Name ^B	
Coarse Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines ^C	$Cu \geq 4$ and $1 \leq Cc \leq 3$ ^E	GW	Well-graded gravel ^F	
		Gravels with Fines: More than 12% fines ^C	$Cu < 4$ and/or $1 > Cc > 3$ ^E	GP	Poorly graded gravel ^F	
		Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands: Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E $Cu < 6$ and/or $1 > Cc > 3$ ^E	GM	Silty gravel ^{F,G,H}
	Sands with Fines: More than 12% fines ^D	Clean Sands: Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E $Cu < 6$ and/or $1 > Cc > 3$ ^E	GC	Clayey gravel ^{F,G,H}	
	Sands with Fines: More than 12% fines ^D	Sands with Fines: More than 12% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E $Cu < 6$ and/or $1 > Cc > 3$ ^E	SW	Well-graded sand ^I	
	Sands with Fines: More than 12% fines ^D	Sands with Fines: More than 12% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E $Cu < 6$ and/or $1 > Cc > 3$ ^E	SP	Poorly graded sand ^I	
Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic:	$PI > 7$ and plots on or above "A" line ^J	CL	Lean clay ^{K,L,M}	
			$PI < 4$ or plots below "A" line ^J	ML	Silt ^{K,L,M}	
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay ^{K,L,M,N}
			Liquid limit - not dried		OH	Organic silt ^{K,L,M,O}
			Inorganic:	PI plots on or above "A" line	CH	Fat clay ^{K,L,M}
	Silts and Clays: Liquid limit 50 or more	Inorganic:	PI plots on or above "A" line	MH	Elastic Silt ^{K,L,M}	
			PI plots below "A" line	OH	Organic clay ^{K,L,M,P}	
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic silt ^{K,L,M,Q}
			Liquid limit - not dried		PT	Peat
			Highly organic soils: Primarily organic matter, dark in color, and organic odor			

^A Based on the material passing the 3-inch (75-mm) sieve

^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.

^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^H If fines are organic, add "with organic fines" to group name.

^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

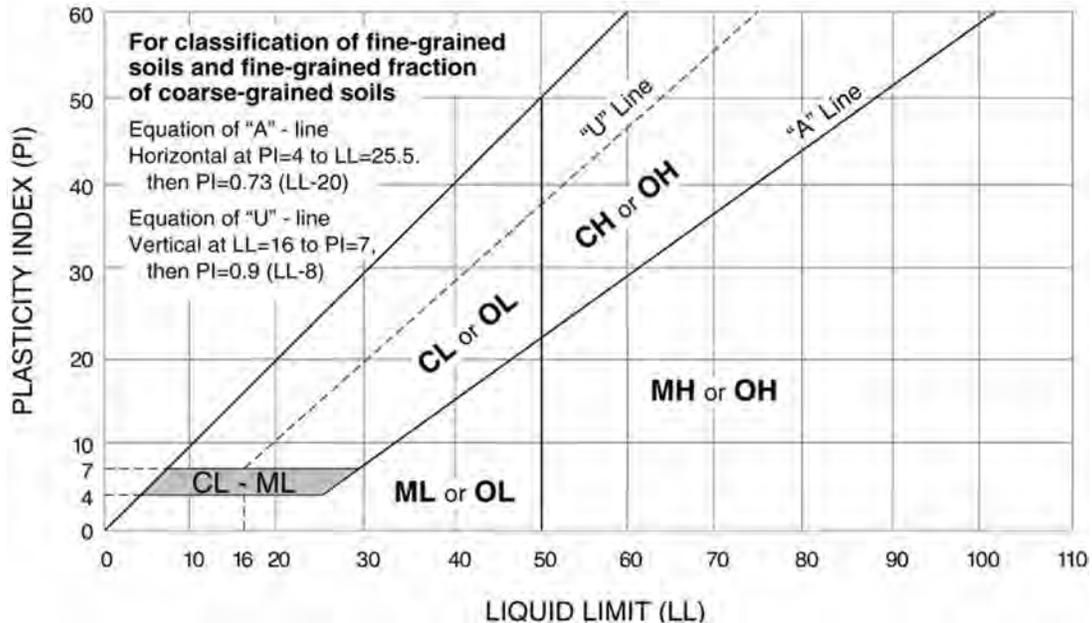
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

^O $PI < 4$ or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.



DESCRIPTION OF ROCK PROPERTIES

WEATHERING

Fresh	Rock fresh, crystals bright, few joints may show slight staining. Rock rings under hammer if crystalline.
Very slight	Rock generally fresh, joints stained, some joints may show thin clay coatings, crystals in broken face show bright. Rock rings under hammer if crystalline.
Slight	Rock generally fresh, joints stained, and discoloration extends into rock up to 1 in. Joints may contain clay. In granitoid rocks some occasional feldspar crystals are dull and discolored. Crystalline rocks ring under hammer.
Moderate	Significant portions of rock show discoloration and weathering effects. In granitoid rocks, most feldspars are dull and discolored; some show clayey. Rock has dull sound under hammer and shows significant loss of strength as compared with fresh rock.
Moderately severe	All rock except quartz discolored or stained. In granitoid rocks, all feldspars dull and discolored and majority show kaolinization. Rock shows severe loss of strength and can be excavated with geologist's pick.
Severe	All rock except quartz discolored or stained. Rock "fabric" clear and evident, but reduced in strength to strong soil. In granitoid rocks, all feldspars kaolinized to some extent. Some fragments of strong rock usually left.
Very severe	All rock except quartz discolored or stained. Rock "fabric" discernible, but mass effectively reduced to "soil" with only fragments of strong rock remaining.
Complete	Rock reduced to "soil". Rock "fabric" not discernible or discernible only in small, scattered locations. Quartz may be present as dikes or stringers.

HARDNESS (for engineering description of rock – not to be confused with Moh's scale for minerals)

Very hard	Cannot be scratched with knife or sharp pick. Breaking of hand specimens requires several hard blows of geologist's pick.
Hard	Can be scratched with knife or pick only with difficulty. Hard blow of hammer required to detach hand specimen.
Moderately hard	Can be scratched with knife or pick. Gouges or grooves to ¼ in. deep can be excavated by hard blow of point of a geologist's pick. Hand specimens can be detached by moderate blow.
Medium	Can be grooved or gouged 1/16 in. deep by firm pressure on knife or pick point. Can be excavated in small chips to pieces about 1-in. maximum size by hard blows of the point of a geologist's pick.
Soft	Can be gouged or grooved readily with knife or pick point. Can be excavated in chips to pieces several inches in size by moderate blows of a pick point. Small thin pieces can be broken by finger pressure.
Very soft	Can be carved with knife. Can be excavated readily with point of pick. Pieces 1-in. or more in thickness can be broken with finger pressure. Can be scratched readily by fingernail.

Joint, Bedding, and Foliation Spacing in Rock ^a		
Spacing	Joints	Bedding/Foliation
Less than 2 in.	Very close	Very thin
2 in. – 1 ft.	Close	Thin
1 ft. – 3 ft.	Moderately close	Medium
3 ft. – 10 ft.	Wide	Thick
More than 10 ft.	Very wide	Very thick

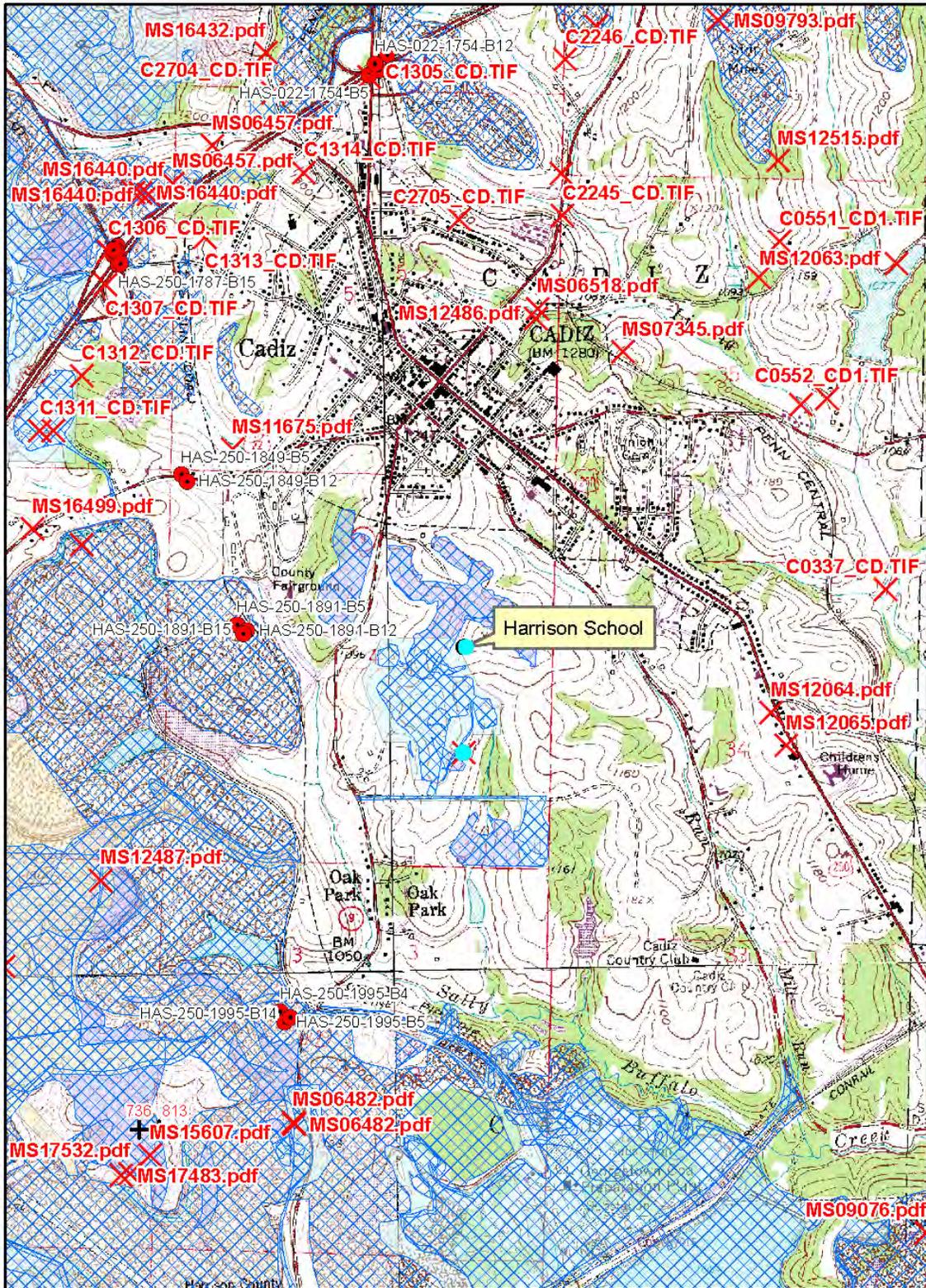
a. Spacing refers to the distance normal to the planes, of the described feature, which are parallel to each other or nearly so.

Rock Quality Designator (RQD) a	
RQD, as a percentage	Diagnostic description
Exceeding 90	Excellent
90 – 75	Good
75 – 50	Fair
50 – 25	Poor
Less than 25	Very poor

Joint Openness Descriptors	
Openness	Descriptor
No Visible Separation	Tight
Less than 1/32 in.	Slightly Open
1/32 to 1/8 in.	Moderately Open
1/8 to 3/8 in.	Open
3/8 in. to 0.1 ft.	Moderately Wide
Greater than 0.1 ft.	Wide

a. RQD (given as a percentage) = length of core in pieces
4 in. and longer/length of run.

References: American Society of Civil Engineers. Manuals and Reports on Engineering Practice - No. 56. Subsurface Investigation for Design and Construction of Foundations of Buildings. New York: American Society of Civil Engineers, 1976. U.S. Department of the Interior, Bureau of Reclamation, Engineering Geology Field Manual.



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Note: surface mines are mapped across the middle of the site on this map provided by ODNR

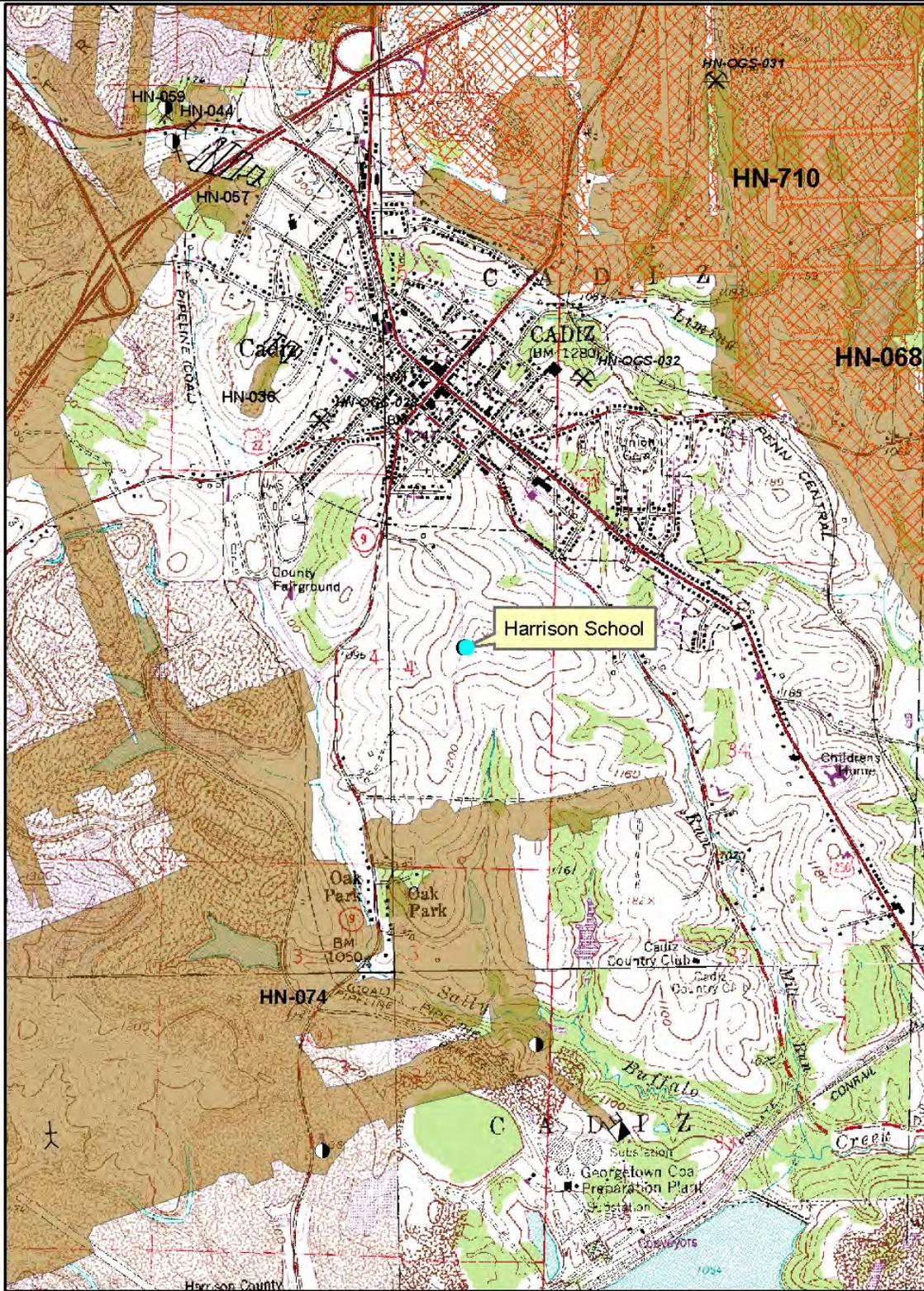
Project Manager: KME	Project No. N4155098
Drawn by: AKB	Scale: N.T.S.
Checked by: KME	File Name: N4155098
Approved by: KME	Date: June 2015

Terracon
Consulting Engineers & Scientists

800 Morrison Road Columbus, Ohio 43230
PH. (614) 863-3113 FAX. (614) 863-0475

SURFACE MINE MAP	
HARRISON HILLS CITY SCHOOLS	
STATE ROUTE 9	
CADIZ, OHIO	

Exhibit
C-4



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Note: No underground mines are mapped beneath the site on this map provided by ODNR

Project Manager:	KME	Project No.	N4155098
Drawn by:	AKB	Scale:	N.T.S.
Checked by:	KME	File Name:	N4155098
Approved by:	KME	Date:	June 2015

Terracon
 Consulting Engineers & Scientists
 800 Morrison Road Columbus, Ohio 43230
 PH. (614) 863-3113 FAX. (614) 863-0475

ABANDONED UNDERGROUND MINES MAP
HARRISON HILLS CITY SCHOOLS
STATE ROUTE 9
CADIZ, OHIO

Exhibit
C-5

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	Catawba Island Boating Access Renovations	Response Deadline	04/01/2016	4:00 PM	local time
Project Location	Catawba Island State Park	Project Number	DNR-160068		
City / County	Port Clinton / Ottawa County	Project Manager	Keith VanDeusen		
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)	3	No. of electronic copies requested (PDF)	1		

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

Submit all questions regarding this RFQ in writing to Jason Kirby at jason.kirby@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

The ODNR Division of Watercraft is seeking professional services for design and construction administration for the renovation of existing boating access facilities at Catawba Island State Park in Ottawa County. The existing facility includes a boat ramp, boarding docks, parking areas, site lighting, and restroom facilities. The selected A/E team will develop an overall site master plan with plans for phasing construction. The proposed scope of work for the renovation project will include rehabilitation of the existing boat launch/ramp and surrounding area, rehabilitation or relocation of the parking areas and roadway access, building demolition and other site features.

B. Scope of Services

For projects advertised with an appropriately developed Program of Requirements (POR), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

The selected Architect/Engineer (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, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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 16 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. Master planning for lakeside parks/facilities
2. Recreational boating facilities design
3. Roadway/parking lot design
4. Site and landscape design

Request for Qualifications (Architect / Engineer) continued

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.

H. 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 or email 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

State of Ohio Standard Forms and Documents

Project Name Catawba Island Boating Access Renovations Proposer Firm _____
 Project Number DNR-160068 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 75 miles	5	
	75 miles to 150 miles	2	
	More than 150 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$100,000	2	
	\$100,000 to \$500,000	1	
	More than \$500,000	0	
c. Number of licensed professionals	Less than 3 professionals	1	Max = 3
	3 to 8 professionals	3	
	More than 8 professionals	0	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 4 projects	0 - 3	
	4 to 6 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 8 projects	2 - 3	
	More than 8 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____

Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	<u>Cadaver Lab</u>	Response Deadline	<u>03/31/2016</u>	<u>4:00 p.m.</u> local time
Project Location	<u>Marion Technical College</u>	Project Number	<u>MTC 16-001</u>	
City / County	<u>Marion / Marion</u>	Project Manager	<u>Leeann Grau</u>	
Owner	<u>Marion Technical College</u>	Contracting Authority	<u>Local Higher Education</u>	
Delivery Method	<u>General Contracting</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>5</u>	No. of electronic copies requested (PDF)	<u>1</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Leeann Grau at Marion Technical College, 1467 Mt. Vernon Avenue, Marion, Ohio 43302. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing via email to Leeann Grau at graul@mtc.edu 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

Marion Technical College is seeking statements of qualifications from interested firms to develop, design, and implement an approximate 1100 – 1450 SF Cadaver Lab to meet the needs of the Arts and Sciences Program within the Technical Education Center Building. The successful proposer will be providing services that will include, but not be limited to the following: programming and analysis, design concept and schematic designs, construction drawings and specifications, bid documents, cost estimates, prioritization of the work, and project schedule. The programming and analysis shall include, but not be limited to, an assessment of existing conditions and needs, and development of a POR.

The anticipated project delivery method for this project is General Contracting.

State Prevailing Wage requirements apply to this project.

B. Scope of Services

For projects advertised with an appropriately developed Program of Requirements (POR), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

The selected Architect/Engineer (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.

As required by the Agreement, and as properly authorized, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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 four (4) 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.

H. 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, but not limited to: 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

State of Ohio Standard Forms and Documents

Project Name Cadaver Lab Proposer Firm _____
 Project Number MTC 16-001 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 75 miles	5	
	75 miles to 150 miles	2	
	More than 150 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$100,000	2	
	\$100,000 to \$500,000	1	
	More than \$500,000	0	
c. Number of licensed professionals	Less than 2 professionals	1	Max = 3
	2 to 8 professionals	2	
	More than 8 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 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 5	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 2 projects	0 - 3	
	2 to 4 projects	4 - 6	
	More than 4 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 2 projects	0 - 1	
	2 to 4 projects	2 - 3	
	More than 4 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____

Date _____

Request for Qualifications (Claims Evaluation Services)

State of Ohio Standard Forms and Documents

Administration of Project: Ohio Facilities Construction Commission

Project Name	<u>Claims Evaluation Services</u>	Response Deadline	<u>04/06/2016</u>	<u>4:00 p.m.</u>	local time
Project Location	<u>Various</u>	Project Number	<u>SFC-150888</u>		
City / County	<u>Various / Various</u>	Project Manager	<u>Various</u>		
Owner	<u>Various</u>	Contracting Authority	<u>Ohio Facilities Construction Commission</u>		
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested (PDF)	<u>1</u>		

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jill Hoobler at Jill.Hoobler@ofcc.ohio.gov. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Jill Hoobler at Jill.Hoobler@ofcc.ohio.gov 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.

A. Project Description

The Ohio Facilities Construction Commission (OFCC) invites interested parties to submit a statement of qualification to provide claim evaluation services for projects.

All firms submitting a statement of qualifications will be eligible for award of contracts for the period beginning July 1, 2016 and ending June 30, 2018. OFCC intends to award contracts to up to two firms. Fees are negotiated for each assignment. OFCC does not guarantee that a firm will be awarded any work or make a representation of the amount of work a firm may receive within the two-year period.

B. Scope of Services

The services are for the review and evaluation of claims for equitable adjustment of contracts made by a contractor in the building, remodeling, or renovation of facilities constructed for K-12 and Career Technical Schools, state agencies, and state institutions of higher education. The basis of the claim may be a conflict in the contract documents, or may involve a complex set of circumstances that will require details analysis of the critical path in the construction progress schedule. The services will include an entitlement analysis, as well as the analysis of all costs claimed by the contractor or contractors. The term contractor may include a construction manager at risk or a design-build firm.

The selected Consultant, as a portion of its required Scope of Services and prior to submitting its technical and fee proposals, will discuss and clarify with the OFCC, the cost breakdown of the Agreement detailed cost components to address the project requirements.

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

1. Review and analyze schedule related issues.
2. Review and analyze claim submissions and provide recommendations to mitigate and minimize additional cost.
3. Provide professional responsibility analysis on matters in dispute
4. Provide mediation support services.
5. Provide expert witness services for actual or potential litigation
6. Review and provide feedback on proposed regulatory language and contract terms and conditions
7. Provide educational information and training on construction administration, claims management and scheduling at seminars and training sessions convened by the Commission.

C. Funding / Estimated Budget

Total Project Cost	<u>Varies with each project</u>	State Funding	<u>As applicable</u>
Construction Cost	<u>Varies with each project</u>	Other Funding	<u>As applicable</u>
Estimated Design Fee	<u>TBD</u>		

D. Anticipated Schedule

Announce Short List for Interviews: April 18, 2016

Request For Qualifications continued

Interviews in Columbus: April 26, 2016

E. EDGE Participation Goal

Percent of initial TOTAL Fee: 0%

F. Evaluation Criteria for Selection

The evaluation of the statement of qualifications will be based primarily on the following: (1) competence of the firm to perform the required services, as indicated by the technical training, education and experience of the firm's personnel who are likely to be assigned to perform the planning services; (2) ability in terms of workload and availability of qualified personnel, equipment, and facilities to perform the required claims evaluation services competently and expeditiously; (3) experience of the proposed personnel in performing planning services; (4) past performance as reflected in evaluations of previous clients with respect to factors such as quality of work indicated by successful dispute resolution outcomes and meeting deadlines; and (5) other similar factors.

G. 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.

Statements of Qualifications are to be submitted electronically by e-mail. Submittals are to be limited to maximum of one e-mail with the total file size of 25 MB.

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

The following special instructions apply to completing the F110-330 form for this selection:

- Firms are requested to list the Project No. (indicated on Page 1 of this RFQ) on the first page of Part I and on Part II of the F110-330.
- Firms are requested to indicate their EDGE-certified business status as either "Certified" or Non-certified" on Part I Section C (Proposed Team).
- Do not submit Page 3 of Section H (Commitment to Participate in the EDGE Business Assistance Program).
- Firms are requested to identify professional registrations, memberships and credentials including but not limited to: CCCA, CCM, CCS, CDT, CFCC, DBIA, or 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.

CCCA: Certified Construction Contract Administrator (CSI)

CCM: Certified Construction Manager (CMAA)

CCS: Certified Construction Specifier (CSI)

CDT: Construction Document Technologist (CSI)

CFCC: Certified Forensic Claims Consultant (AACE International)

DBIA: Designated Design-Build Professional (Design-Build Institute of America)

Claims Evaluation Consultant Selection Rating

State of Ohio Standard Forms and Documents

Project Name Claim Evaluation Services Proposer Firm _____
 Project Number SFC-150888 City, State, Zip _____

Selection Criteria		Value	Score
1. Team Location, EDGE status and Workload (Maximum 20 points)			
a. Location of firm and EDGE status	Out of State	0	
	Ohio Firm	5	
	EDGE Certified	10	
b. Amount of contracts in previous 24 months	Less than \$50,000	10	
	\$50,000 to \$100,000	5	
	More than \$100,000	0	
2. Qualifications (Maximum 60 points)			
a.	Experience of Key Personnel including relevant industry credentials	0 - 10	
b.	Experience in providing professional responsibility analysis on matters in dispute	0 - 10	
c.	Experience in providing Claims Evaluation Services	0 - 10	
d.	Experience in providing critical path analysis of complex construction schedules	0 - 10	
e.	Experience in providing expert witness testimony in legal proceedings	0 - 10	
f.	Experience in providing training on scheduling, construction administration, and claims management and evaluation for initial decision makers	0 - 10	
3. Team Experience (Maximum 20 points)			
a.	Experience with Public Construction Claims Analysis engagements in the previous 24 months	Less than 2 projects	0
		2 to 3 projects	5
		More than 3 projects	10
b.	Past performance	Evaluations / Letters of Reference	0 - 10
		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Claim Consultant Project Number SFC-150888

Date posted: 03/23/2016

Date revised: [If needed]

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Who are the incumbent firms currently holding these contracts?
 - A. Construction Process Solutions, Ltd., VN Services, Inc., H.R. Gray & Associates, Inc.
2. Evaluation Criteria for Selection – makes references to experience and past performance performing “planning services” – should this read “claims evaluation services”?
 - A. Yes this is correct. Although there is no EDGE participation requirement, a response submitted by an EDGE certified firm will be awarded 10 points on the Selection Form.
3. EDGE Participation Goal – the total goal is 0%; however, EDGE certified firms receive 10 points on the Selection Criteria Form. Is this correct?
 - A. Yes this is correct. Although there is no EDGE participation requirement, a response submitted by an EDGE certified firm will be awarded 10 points on the Selection Form.
4. Scope of Services – makes reference to “professional responsibility analysis.” Does this refer to analysis of issues revolving standard of care?
 - A. Responsibility analysis refers more explicitly to identifying potential fault or responsibility for defective work among a variety of potential parties. It may result in a subsequent standard of care analysis by the selected firm or an additional entity.
5. Would selection by the OFCC for the Claims Evaluation Services contract (SFC-150888) prohibit the selected firm from pursuing or being selected for CMA or CMR contracts with OFCC?
 - A. It does not preclude the selected firm from pursuing or being selected for other contracts with OFCC, but a firm performing other services may not receive assignments due to a potential conflict of interest.
6. Regarding the April 6 submission date, would OFCC consider a time extension of 1 week?
 - A. The due of submissions is April 9, 2016 and will need to remain.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Claim Consultant Project Number SFC-150888

Date posted: 03/23/2016
Date revised: 03/24/2016

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Who are the incumbent firms currently holding these contracts?
 - A. Construction Process Solutions, Ltd., VN Services, Inc., H.R. Gray & Associates, Inc.
2. Evaluation Criteria for Selection – makes references to experience and past performance performing “planning services” – should this read “claims evaluation services”?
 - A. Yes this is correct. Although there is no EDGE participation requirement, a response submitted by an EDGE certified firm will be awarded 10 points on the Selection Form.
3. EDGE Participation Goal – the total goal is 0%; however, EDGE certified firms receive 10 points on the Selection Criteria Form. Is this correct?
 - A. Yes this is correct. Although there is no EDGE participation requirement, a response submitted by an EDGE certified firm will be awarded 10 points on the Selection Form.
4. Scope of Services – makes reference to “professional responsibility analysis.” Does this refer to analysis of issues revolving standard of care?
 - A. Responsibility analysis refers more explicitly to identifying potential fault or responsibility for defective work among a variety of potential parties. It may result in a subsequent standard of care analysis by the selected firm or an additional entity.
5. Would selection by the OFCC for the Claims Evaluation Services contract (SFC-150888) prohibit the selected firm from pursuing or being selected for CMA or CMR contracts with OFCC?
 - A. It does not preclude the selected firm from pursuing or being selected for other contracts with OFCC, but a firm performing other services may not receive assignments due to a potential conflict of interest.
6. Regarding the April 6 submission date, would OFCC consider a time extension of 1 week?
 - A. The due of submissions is **April 6**, 2016 and will need to remain.
7. How much work was awarded to each selected firm? How many task orders were awarded to each firm?
 - A. VN Services, Inc. \$32,524.90 3-4 tasks
H. R. Gray and Associates \$91,766.88 3- 4 task
Construction Process Solutions \$249,603.43 3 tasks
8. Does OFCC have any current projects that have experienced claims, such that OFCC anticipates they will require expert witness support for potential litigation?
 - A. In several instances, claims were assigned and the matter was settled without going to trial or experiencing significant litigation. The matters assigned to CPS involved substantial litigation and

mediation participation. There are currently several issues and or claims that may result in the need to retain a claims consultant and/ or expert witness.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Claim Consultant Project Number SFC-150888

Date posted: 03/23/2016
Date revised: 03/25/2016

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Who are the incumbent firms currently holding these contracts?
 - A. Construction Process Solutions, Ltd., VN Services, Inc., H.R. Gray & Associates, Inc.
2. Evaluation Criteria for Selection – makes references to experience and past performance performing “planning services” – should this read “claims evaluation services”?
 - A. In Section F. Evaluation Criteria for Selection, replace the words “planning services” with “claims evaluation services” in items (1) and (3)
3. EDGE Participation Goal – the total goal is 0%; however, EDGE certified firms receive 10 points on the Selection Criteria Form. Is this correct?
 - A. Yes this is correct. Although there is no EDGE participation requirement, a response submitted by an EDGE certified firm will be awarded 10 points on the Selection Form.
4. Scope of Services – makes reference to “professional responsibility analysis.” Does this refer to analysis of issues revolving standard of care?
 - A. Responsibility analysis refers more explicitly to identifying potential fault or responsibility for defective work among a variety of potential parties. It may result in a subsequent standard of care analysis by the selected firm or an additional entity.
5. Would selection by the OFCC for the Claims Evaluation Services contract (SFC-150888) prohibit the selected firm from pursuing or being selected for CMA or CMR contracts with OFCC?
 - A. It does not preclude the selected firm from pursuing or being selected for other contracts with OFCC, but a firm performing other services may not receive assignments due to a potential conflict of interest.
6. Regarding the April 6 submission date, would OFCC consider a time extension of 1 week?
 - A. The due of submissions is April 6, 2016 and will need to remain.
7. How much work was awarded to each selected firm? How many task orders were awarded to each firm?
 - A. VN Services, Inc. \$32,524.90 3-4 tasks
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Construction Process Solutions \$249,603.43 3 tasks
8. Does OFCC have any current projects that have experienced claims, such that OFCC anticipates they will require expert witness support for potential litigation?
 - A. In several instances, claims were assigned and the matter was settled without going to trial or experiencing significant litigation. The matters assigned to CPS involved substantial litigation and

mediation participation. There are currently several issues and or claims that may result in the need to retain a claims consultant and/ or expert witness.

9. Relating to Selection Criteria, 2b. "Experience in providing professional responsibility analysis on matters in dispute", please clarify what "professions" are relevant. (For example, is the reference to "professions" intended that the proposers provide their experience in Architecture, Engineering, Geo-Technical, Construction Manager (at Risk), Design-Build, other?)
 - A. All of the professions listed are potentially relevant, but it is not expected that firms must have experience in each of those fields
10. Relating to RFQ SFC-150888, Section F, (1) "competence of the firm to perform the required services, as indicated by the technical training, education and experience of the firm's personnel who are likely to perform the planning services", please define what types of "planning services" are situated within the context of the scope of this RFQ.
 - A. In Section F. Evaluation Criteria for Selection, replace the words "planning services" with "claims evaluation services" in items (1) and (3).
11. The first paragraph of RFQ SFC-150888, states, "See section H of this RFQ for additional submittal instructions." There is no Section H of RFQ SFC-150888. Are you referencing Section H of form F110-330.
 - A. This should read "section G.
12. Do 'Letters of Reference' (Selection Criteria, 3b. Past Performance | Evaluations/Letters of Reference), as opposed to "Evaluations," meet the criterion indicated in Section F, (4) "past performance as reflected in evaluations of previous clients with respect to factors such as quality of work indicated by successful outcomes and meeting deadlines"? This is noted because formal evaluations such as those normally conducted of CM, Contractor, and A/E efforts are almost never performed on the efforts of a "Claims Evaluations" services providers.
 - A. Letters of Reference are acceptable.

Request for Qualifications (Criteria Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: School District Board + OFCC

Project Name	<u>Global Impact STEM Academy</u>	Response Deadline	<u>04/15/16</u>	<u>4:00 PM</u> local time
Project Location	<u>700 S. Limestone Street</u>	Project Number	<u>SFC-160398</u>	
City / County	<u>Springfield / Clark</u>	Project Manager	<u>Todd Hager</u>	
Owner	<u>Global Impact STEM Academy</u>	Contracting Authority	<u>School District Board + OFCC</u>	
Delivery Method	<u>Design Build</u>	Prevailing Wages	<u>None</u>	
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested (PDF)	<u>1</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jill Hoobler at jill.hoobler@ofcc.ohio.gov. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to **Jill Hoobler** at jill.hoobler@ofcc.ohio.gov 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

Global Impact STEM Academy (GISA) is a designated STEM school approved by ODE's STEM subcommittee on October 15, 2012. GISA is now located in the former Springfield South High School. Renovations for half of GISA were completed last year.

This project consists of further renovations of GISA to include creation of classrooms for 7-8 grade, additional classroom space for 9-12 grade students, career technical program space, site work, rotunda renovation and greenhouse(s).

The project delivery method will be Design-Build.

Prevailing Wage requirements do not apply to this project.

B. Scope of Services

The Program of Requirements (POR) will be developed as a part of this project by the Criteria Architect/Engineer (C-A/E).

The selected C-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, provide the following categories of services: Program Verification, Participation in a Project Design Stage, Selection Support, Construction Observation, Post-Construction, and Additional Services of all types.

Services are to include, but not limited to the following:

1. Program of Requirements
2. Other design criteria to appropriately communicate design intent
3. Project Accounting Services including project close-out
4. Assistance with Best Value selection of Design/Build team
5. Review of cost estimates & schedules
6. Drawdown Management, Monthly Status Reports
7. Cost Estimating, Change Order reviews
8. Review & advising of DD & CD documents
9. Assistance with GMP negotiation
10. Construction testing, surveying, geotechnical testing
11. Limited Construction Observation

Request for Qualifications (Architect / Engineer) continued

The services may include work as an Owner's representative and provide other project-related design and construction administration related services on behalf of the Owner confirming/advising that the design prepared by the design-build firm reflects the original design intent established in the design criteria package.

Pursuant to ORC 153.694, professional design firms selected to provide C-A/E services shall not provide any A/E of Record services for the project for which the professional design firm was selected as the C-A/E.

For projects advertised with an appropriately developed Program of Requirements ("POR"), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

The selected Criteria Architect/Engineer ("C-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 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, provide the following categories of services: Concept and Design Criteria, Best Value Selection, Preconstruction, Construction and Closeout, and Additional Services of all types including Schematic Design and Design Development if a Design-Builder is not engaged to perform these services.

Refer to the *Ohio School Design 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 16 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. OSFC Projects
2. Public School Projects
3. High School Projects
4. Design/Build Projects
5. Criteria Architect experience
6. Owner's representative experience

C. Funding / Estimated Budget

Total Project Cost	<u>\$6,303,844</u>	State Funding	<u>\$6,303,844</u>
Construction Cost	<u>\$5,200,000</u>	Other Funding	<u>\$0</u>
Estimated A/E Fee	<u>1.5% to 3%</u>		

NOTE: The C-A/E fee for this project includes all professional design services, and consultant services necessary for proper completion of the C-A/E Basic Services for the successful completion of the project, including but not limited to: preparation / review and verification of the Program of Requirements, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., creation of a Program of Requirements, extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Architectural</u>
Secondary	<u>MEP Engineering</u>
	<u>Structural Engineering</u>
	<u>Civil Engineering</u>
	<u>Electrical Engineering</u>
	<u>Interior Design</u>

E. Anticipated Schedule

Professional Services Start	<u>05 / 16</u>
Construction Notice to Proceed	<u>09 / 16</u>
Substantial Completion of all Work	<u>07 / 17</u>
Professional Services Completed	<u>09 / 17</u>

F. EDGE Participation Goal

Request for Qualifications (Architect / Engineer) continued

Others

Percent of *initial* TOTAL C-A/E Fee

5.0%

NOTE: The primary C-A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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 C-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 C-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 C-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 C-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.

H. 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.

Statements of Qualifications are to be submitted electronically by e-mail. Submittals are to be limited to maximum of one e-mail with the total file size of 25 MB.

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.

Criteria Architect/Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name Global Impact STEM Academy Proposer Firm _____
 Project Number SFC-160398 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 25 miles	5	
	25 miles to 50 miles	2	
	More than 50 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$50,000	2	
	\$50,000 to \$200,000	1	
	More than \$200,000	0	
c. Number of licensed professionals	Less than 5 professionals	1	Max = 3
	5 to 10 professionals	2	
	More than 10 professionals	3	
2. Primary Qualifications (Maximum 30 points)			
a. Project management lead	Experience / ability of project manager to manage scope / budget / schedule / quality	0 - 10	
b. Project criteria design lead	Experience / creativity of criteria designer to document owner's vision and requirements	0 - 10	
c. Technical staff	Experience / ability of technical staff to create accurate and complete design criteria	0 - 10	
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 3 sample projects	0	
	3 to 6 sample projects	2	
	More than 6 sample projects	5	
b. Team organization	Clarity of responsibility / communication demonstrated by table of organization	0 - 5	
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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Global Impact STEM Academy Project Number SFC-160398

Date posted: March 21, 2016

Date revised: [If needed]

Below are the questions that have been received to date for the RFQ of the above-referenced project:

1. Is the GISA project required to be LEED silver certified? If so, who would be responsible for the eco-charrette and LEED documentation?
 - A. The GISA project is not required to be LEED Certified.

RFQ Question and Answer List

State of Ohio Standard Forms and Documents

Project Name Global Impact STEM Academy Project Number SFC-160398

Date posted: March 17, 2016

Date revised:

1. The RFQ states 16 hours / week is required for on-site construction administration. This seems more appropriate for the architect-of-record and beyond the stated fee structure. Can you confirm the time requirement and clarify the criteria architect's responsibilities on-site?
 - A. We will ask for 8 hours per week in the base contract and 8 hours per week as an additional service.

2. The RFQ states 16 hours / week is required for on-site construction administration. This seems more appropriate for the architect-of-record and beyond the stated fee structure. Can you confirm the time requirement and clarify the criteria architect's responsibilities on-site?
 - A. We will ask for 8 hours per week in the base contract and 8 hours per week as an additional service.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	<u>Statewide Technical Services FY 17-18</u>	Response Deadline	<u>04/13/2016</u>	<u>4:00 PM</u>	local time
Project Location	<u>Various</u>	Project Number	<u>DNR-160075</u>		
City / County	<u>Various / Various</u>	Project Manager	<u>Samantha Cothorn</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>2</u>	No. of electronic copies requested (PDF)	<u>2</u>		

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

Submit all questions regarding this RFQ in writing to Jason Kirby at jason.kirby@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 and architectural services are required to provide technical support, on an as needed basis, for various small renovation and improvements projects to be completed at ODNR facilities statewide. While a specific scope of work has not yet been identified for this contract, it is anticipated that individual projects could involve: rehabilitation of electrical, mechanical, and HVAC; environmental, structural and geotechnical assessments; and design of minor building construction and/or renovation. Anticipated work tasks for each project could include:

- On-site evaluation and meetings with facility staff to assess scope of work for individual projects.
- Preparation of investigation reports with alternative analysis, recommendations and cost estimates.
- Preparations of construction documents for selected rehabilitation or improvement projects.
- Application for and securing applicable permits.
- Provide construction administration services.

B. Scope of Services

While specific projects and scopes of work have not been identified at this time, the selected consultant(s) will be retained through a specific time period (approximately two years); projects and deliverables will be determined on an as needed basis from deficiencies noted by facility managers during maintenance or from prior inspections. Fees for each assigned task will be based on an hourly fee schedule to be negotiated as part of the contract.

A contract will be awarded up to two (2) of the most qualified firms, as determined through the selection process.

For projects advertised with an appropriately developed Program of Requirements (POR), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

The selected Architect/Engineer (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, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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>.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

During the construction period, provide on-site construction administration services as negotiated for each project, 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. Experience with minor building renovation and new installations.
2. Experience with electrical system renovations and new installations.
3. Experience with mechanical system renovations and new installations.
4. Experience performing environmental assessments, including asbestos assessments.
5. Experience performing structural assessments.
6. Experience performing geotechnical assessments.
7. Experience performing construction administration services.
8. Experience in managing construction testing services.

C. Funding / Estimated Budget

Total Project Cost	<u>\$TBD</u>	State Funding	<u>\$750,000 (Design)</u>
Construction Cost	<u>\$TBD</u>	Other Funding	<u>\$0</u>
Estimated A/E Fee	<u>10.0% to 12.0%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Architectural</u>
Secondary	<u>Mechanical Engineering</u>
	<u>Electrical Engineering</u>
	<u>Structural Engineering</u>
	<u>Civil Engineering</u>
	<u>Environmental Engineering</u>
	<u>Geotechnical Engineering</u>
Others	<u>Construction Testing</u>

E. Anticipated Schedule

Professional Services Start	<u>07 / 16</u>
Construction Notice to Proceed	<u>08 / 16</u>
Substantial Completion of all Work	<u>06 / 18</u>
Professional Services Completed	<u>06 / 18</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.

Request for Qualifications (Architect / Engineer) continued

- 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.

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.

H. 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.

Architect / Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name Statewide Technical Services FY 17-18 Proposer Firm _____
 Project Number DNR-160075 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location, Workload and Size (Maximum 10 points)			
a. Proximity of firm to project site	In-state	5	
	Out-of-state	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$100,000	2	
	\$100,000 to \$200,000	1	
	More than \$200,000	0	
c. Number of licensed professionals	Less than 10 professionals	3	Max = 3
	10 to 20 professionals	2	
	More than 20 professionals	1	
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 3 sample projects	1	Max = 3
	3 to 6 sample projects	2	
	More than 6 sample projects	3	
b. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 5 projects	0 - 3	
	5 to 9 projects	4 - 6	
	More than 9 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 5 projects	0 - 1	
	5 to 9 projects	2 - 3	
	More than 9 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____ Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Agency

Project Name	<u>Indian Lake State Park Campground Pool</u>	Response Deadline	<u>04/15/2016</u>	<u>4:00 PM</u>	local time
Project Location	<u>12774 State Route 235 North</u>	Project Number	<u>DNR-160078</u>		
City / County	<u>Lakeview / Logan</u>	Project Manager	<u>Samantha Cothorn</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>2</u>	No. of electronic copies requested (PDF)	<u>2</u>		

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

Submit all questions regarding this RFQ in writing to Jason Kirby at jason.kirby@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

Indian Lake State Park, located in Logan County, is nearby Indian Lake, a 5,800 acre inland lake that offers a multitude of water-related activities such as boating, water-skiing, jet skiing, and fishing. The Indian Lake State Park Campground has over 400 camping sites and is, at many times of the year, at full-capacity.

The intent of this project is to construct a new in-ground public swimming pool of approximately 4,000 square feet at the Campground in the area adjacent to the Campground Commissary. Amenities for the pool area will include such things as a restroom/changing room facility, spray ground, water slides, as well as site upgrades such as fencing, pool decking, shade structures, and loose furnishings.

The Ohio Department of Natural Resources is seeking professional design services to develop the design of pool structure and amenities, produce construction documents, assist with bidding and procurement and provide construction administration for the project.

B. Scope of Services

For projects advertised with an appropriately developed Program of Requirements (POR), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

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, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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 16 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.

Please list all major scope services needed to complete the selection process for successful project delivery. The specific scope of services must state particular building types, functional design or specialized professional services required to

Request for Qualifications (Architect / Engineer) continued

- 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.

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.

H. 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.

Architect / Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name Indian Lake State Park Campground Pool Proposer Firm _____
 Project Number DNR-160078 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 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$500,000	2	
	\$500,000 to \$1,000,000	1	
	More than \$1,000,000	0	
c. Number of licensed professionals	Less than 10 professionals	2	Max = 3
	10 to 20 professionals	3	
	More than 20 professionals	1	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____

Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	General Qualifications for Prequalification List of Professional Services - 330	Response Deadline	04/22/2016	4:00pm	local time
Project Location	Youngstown State University Campus	Project Number	YSU-Prequal		
City / County	Youngstown / Mahoning	Project Manager	Varies		
Owner	Youngstown State University	Contracting Authority	Local Higher Education		
Delivery Method	N/A	Prevailing Wages	State		
No. of paper copies requested (stapled, not bound)	2	No. of electronic copies requested (PDF)	1		

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Richard White at Youngstown State University, One University Plaza, c/o Facilities, Youngstown, Ohio 44555. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Richard White at rmwhite@ysu.edu 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

Qualifications are requested from professional design firms for Basic Renovation/Deferred Maintenance Projects. The improvement projects involve Architectural, Landscape, Civil, Mechanical, Electrical, Plumbing, Structural, Geotechnical, Construction Materials Testing, and Roofing disciplines. These projects include minor classroom and office improvements, ADA improvements, utility upgrades, exterior lighting, fire alarm improvements, emergency generator improvements, HVAC upgrades and renovations, high-voltage electrical distribution repairs and upgrades, steam and chilled water distribution, landscaping, and masonry repairs/renovations. Any firm submitting qualifications may be considered for one or more of the basic renovations projects at the discretion of the owner.

B. Scope of Services

All projects will have an appropriately developed Program of Requirements (POR) and upon award of the Agreement, the projects will commence with design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements. The selected Associate, as a portion of the required Scope of Services and prior to submitting its proposals, will discuss and clarify with the Owner, the cost breakdown of the Associate Agreement detailed cost components to address the Owner's project requirements. Participation in the EDGE Program will be as required by statute and the Agreement.

As required by the Agreement, and as properly authorized, provide the following categories of services: Conceptual Development, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, Construction Phase, Post-Construction Phase, and Extra Services and Additional Services of all types. Refer to The SAO Manual for additional information about the type and extent of services required for each.

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 N/A 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.

Request for Qualifications (Architect / Engineer) continued

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. General Building Renovations/ADA Upgrades
2. Building Plumbing, HVAC and Electrical Systems Improvements
3. Utility Infrastructure – Steam, Chilled Water, High Voltage Electrical
4. Elevator Systems and Controls
5. Landscaping
6. Building Envelope Improvements
7. Commercial Roofing
8. Testing Services
9. Technology Infrastructure, Data Cabling and Systems
10. Construction Administration (budgeting, scheduling, construction observation)

C. Funding / Estimated Budget

Total Project Cost	<u>\$TBD</u>	State Funding	<u>\$TBD</u>
Construction Cost	<u>\$TBD</u>	Other Funding	<u>\$TBD</u>
Estimated A/E Fee	<u>6.0% to 11.0%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Various and as noted in the description</u>
Secondary	<u>_____</u>
	<u>_____</u>
	<u>_____</u>
	<u>_____</u>
	<u>_____</u>
Others	<u>_____</u>

E. Anticipated Schedule

Professional Services Start	<u>04 / 16</u>
Construction Notice to Proceed	<u>04 / 16</u>
Substantial Completion of all Work	<u>04 / 17</u>
Professional Services Completed	<u>04 / 17</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.

Request for Qualifications (Architect / Engineer) continued

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.

H. 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.

Architect / Engineer Selection Rating Form

State of Ohio Standard Forms and Documents

Project Name General Qualifications for Prequalification List of Professional Services - 330 Proposer Firm _____
 Project Number YSU-Prequal 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 75 miles	5	
	75 miles to 150 miles	2	
	More than 150 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$50,000	2	
	\$50,000 to \$100,000	1	
	More than \$100,000	0	
c. Number of licensed professionals	Less than 3 professionals	1	Max = 3
	3 to 6 professionals	1	
	More than 6 professionals	1	
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 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 5	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 5 projects	0 - 3	
	5 to 9 projects	4 - 6	
	More than 9 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 2 projects	0 - 1	
	2 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____ Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: Local Higher Education

Project Name	<u>UH East Tower- Elevator 10-11</u> <u>1492 East Broad Street</u>	Response Deadline	<u>04/14/2016</u>	<u>2:00 p.m.</u> local time
Project Location	<u>Main Building- Bld #398</u>	Project Number	<u>OSU-160422</u>	
City / County	<u>Columbus / Franklin</u>	Project Manager	<u>Jack Bargaheiser</u>	
Owner	<u>The Ohio State University</u>	Contracting Authority	<u>Local Higher Education</u>	
Delivery Method	<u>General Contracting</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>3</u>	No. of electronic copies requested (PDF)	<u>1-USB</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Jack Bargaheiser at 400 Enarson Classroom Building, 2009 Millikin Rd, Columbus, OH 43210. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to Jack Bargaheiser at Bargaheiser.2@osu.edu 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

The Ohio State University Wexner Medical Center is requesting architecture firms to submit qualifications for an elevator modernization project in the 1492 East Broad Street - Main Building located at University Hospital East.

The Elevator Modernization Project will renovate, upgrade and modernize two (2) gearless patient/staff elevators 10 & 11. The renovation will upgrade the MEP elevator support spaces which include new equipment room, electric, plumbing & fire suppression. This is a major elevator modernization in a working hospital which is open for public business and will continue to operate throughout the phase of work. A concurrent work and modernization plan in conjunction with building operation will be integrated in the Bid Documents. Note, only one (1) elevator shall be down at a time throughout renovation and modernization for the Main Building -University Hospital East.

B. Scope of Services

Architecture & Elevator Consultants Services with emphasis placed on Elevator Modernization design for High-rise hospital buildings are required. Mechanical, Electrical engineering services will be required to complete the project design elements. Additionally, structural engineering, interior design and on-site construction administration services are required.

The selected Architect/Engineer (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. Required Professional Liability Insurance will be per Exhibit A – A/E Terms and Conditions Article 7.2.6.

As required by the Agreement, and as properly authorized, provide the following categories of services: Program Verification, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, 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>. The selected A/E will be required to sign the standard agreement. No modifications to the requirements in the agreement will be accepted.

During the construction period, provide not less than 4 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.

Request for Qualifications (Architect / Engineer) continued

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. Elevator Modernization Project for Hospital
2. Successful Elevator Modernization for high-rise
3. Experience with CURRENT Elevator Code
4. Experience with Elevator Mechanical Room Design
5. Demonstrated design execution with critical delivery deadlines
6. Coordination with Hazardous Material Consultant

For the purpose of the selection of 10 Relevant Projects in Section F of the Statement of Qualification (Form F110-330), projects must be designed by the Lead Firm.

C. Funding / Estimated Budget

Total Project Cost	<u>\$1,490,345</u>	State Funding	<u>\$0</u>
Construction Cost	<u>\$999,728</u>	Other Funding	<u>\$1,490,345</u>
Estimated A/E Fee	<u>7.9% to 9.5%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Architecture</u>
Secondary	<u>Elevator Consultant</u>
	<u>Mechanical Engineer</u>
	<u>Electrical Engineer</u>
	<u>Structural Engineer</u>
	<u>The following services will be selected in consultation with the University: Hazardous Materials, Testing & Geotechnical Services</u>
Others	<u></u>

E. Anticipated Schedule

Professional Services Start	<u>05 / 16</u>
Construction Notice to Proceed	<u>12 / 16</u>
Substantial Completion of all Work	<u>10 / 17</u>
Professional Services Completed	<u>12 / 17</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.
- Design quality and demonstrated ability of prospective firm and its proposed consultants to provide design services which represent the University's *Design Guidelines for Buildings and Landscape* [buildings-landscape.pdf](#)
- 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.

Request for Qualifications (Architect / Engineer) continued

- Proposer's apparent resources and capacity to meet the needs of this project.
- The ability for the entire team to effectively collaborate and share models and data.
- Each discipline model manager and their relevant experience.
- How you support a subcontractor that does not have sufficient BIM experience to meet the above expectations.

Interested A/E firms are required to address how they will implement Building Information Modeling ("BIM") on the project, experience and level of training of staff related to BIM, incorporation of team partners that have previous BIM experience, and an understanding of collaborative BIM processes, including but not limited to the *State of Ohio BIM Protocol* available at the OFCC website at <http://ofcc.ohio.gov>.

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) Section H. Additional Information 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.

H. 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.

Do not submit subconsultants for the following services as they will be selected in consultation with the University: Hazardous Materials, Testing, and Geotechnical Services. These subconsultants are not eligible for consideration in meeting the stated EDGE goals.

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

State of Ohio Standard Forms and Documents

Project Name UH East Tower- Elevator 10-11 Proposer Firm _____
 Project Number OSU-160422 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 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$200,000	2	
	\$200,000 to \$1,000,000	1	
	More than \$1,000,000	0	
c. Number of licensed professionals	Less than 2 professionals	3	Max = 3
	2 to 10 professionals	2	
	More than 10 professionals	1	
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 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 5	
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. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 6 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 3 projects	0 - 1	
	3 to 6 projects	2 - 3	
	More than 6 projects	4 - 5	
* Must be comprised of professional design services consulting firm(s) and NOT the lead firm ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute		Subtotal	

Notes:

Evaluator:

Name _____

Signature _____

Date _____

Request for Qualifications (Design-Build Contract)

State of Ohio Standard Forms and Documents

Administration of Project: Ohio Facilities Construction Commission

Project Name	<u>Population Management Fence Project</u>	Response Deadline	<u>04/19/2016 4:00 PM</u>	local time
Project Location	<u>Warren, Mansfield, Marysville, & Lebanon</u>	Project Number	<u>DRC-16F077</u>	
City / County	<u>Various / Various</u>	Project Manager	<u>Michael Covault/ OFCC PM</u>	
Owner	<u>Ohio Dept. of Rehabilitation and Correction</u>	Contracting Authority	<u>OFCC</u>	
Delivery Method	<u>Design-Build</u>	Prevailing Wages	<u>State</u>	
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested via email (PDF)	<u>1</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to Sarah Haight at sarah.haight@ofcc.ohio.gov. See Section G of this RFQ for additional submittal instructions.

Please submit all questions regarding this RFQ in writing to Sarah Haight via email 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

The Project will include four different DRC Correctional Sites, namely Warren Correctional near Lebanon, Mansfield Correctional north of Mansfield, Ohio Reformatory for Women near Marysville, and Trumbull Correctional near the City of Warren, for installation of non-lethal stun fence systems. Note that two of these facilities, Trumbull and Mansfield, also have Camps. These correctional complexes will need to have stun fence arrays either attached to existing fences (verify/make as structurally adequate) or have existing fences replaced with new self-standing complete stun fence systems. Stun fence systems will need to have sufficient power, emergency back-up power, and communication line connections. Power lines shall be installed between required fence zones and adjacent Building utility rooms, while data feeds shall connect back to security Control Rooms. The stun fence components and operational support programming is intended to provide an added level of security around the entire correctional facility perimeter; including at Sally-ports and Entry Buildings. Additional prevent fences are also anticipated where protection from accidental contact with stun fencing is required. Stun alarm systems must also have ability to link with camera software and mobile maps. The Owner has existing electronic site specific drawings and performance standards to be made available at the appropriate time. It will be necessary to confirm an in-depth Program of Requirements for each site, identifying design need issues. All sites will remain in service during on-site work without compromise of needed security functions. All work to be coordinated with DRC personnel and on-site security officers.

The Program of Requirements ("POR") will be developed as a part of this project by the Criteria Architect/Engineer ("Criteria A/E").

All aspects of the project and related issues will be implemented and operated consistent with the Contracting Authority and/or Owner's policies and procedures.

B. Scope of Services

The selected Design-Builder ("DB"), as a portion of its required Scope of Services and prior to submitting its proposal, will discuss and clarify with the Owner and the Contracting Authority, the breakdown of the Agreement detailed preconstruction and construction cost components, address the Owner's Project requirements, and refine the Project Schedule. Work may be phased between sites and if so indicated on said Schedule breakdown.

As required by the Agreement, and as properly authorized, provide the following categories of services: develop and maintain estimates of probable construction cost, value engineering, project schedules, and construction schedules; lead and manage the Schematic Design, Design Development, Subcontractor Prequalification and Bidding process, Construction Documents, Construction, and Closeout stages.

Refer to the *Ohio Facilities Construction Manual* 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>.

Request for Qualifications (Design-Build Contract) continued

The preconstruction and construction services are generally described below. Subcontracts including but not limited to General, Communications, and Electrical trades will be awarded by the Design-Builder ("DB") to prequalified vendors using a competitive process. The parties will engage in an "open book" pricing method in which all subcontracted work shall be based upon competitive pricing that will be reviewed by the Contracting Authority and the Owner, the Criteria A/E and the DB. The Contracting Authority and/or Owner shall have access to all books, records, documents and other data in the DB's possession related to itself, its subcontractors and material suppliers pertaining to bidding, pricing or performance of the Agreement. The Project shall be administered using the latest version of the State's Design Build General Conditions as made available on OFCC internet Home Page; "<http://ofcc.ohio.gov>".

Preconstruction Services: The DB will work cooperatively with the Contracting Authority and/or Owner, Criteria A/E and Project Team, and will provide, among other services, schedule development, estimate development, program verification, schematic design, design development, Guaranteed Maximum Price (GMP) proposal, subcontractor prequalification and bidding, construction documents preparation, constructability review, permits, budgeting, value engineering, and preconstruction planning throughout the preconstruction stages. When the drawings and specifications are at a stage of completion specified in the Agreement, such partially completed documents (the "Basis Documents") shall be provided to the DB, together with the Architect/Engineer of Record's ("AOR") detailed listing of any materials, incomplete design elements, and the AOR's statement of intended scope with respect to such incomplete elements (the "Design Intent Statement"). The DB shall submit to the Contracting Authority and/or Owner and the Criteria Architect their proposed Guaranteed Maximum Price (the "Contract Sum") and its qualifications and assumptions based upon the Basis Documents and the Design Intent Statement. The DB, the Contracting Authority and/or the Owner and the Criteria Architect (along with selected engineers and consultants) shall meet to reconcile any questions, discrepancies, or disagreements relating to the qualifications and assumptions, the Basis Documents or Design Intent Statement. The reconciliation shall be documented by an addendum to the qualifications and assumptions that shall be approved in writing by the Contracting Authority and/or Owner, the Criteria Architect, and the DB. The DB shall then submit to the Contracting Authority, for approval, the DB's proposed final Contract Sum based upon the Basis Documents, the approved qualifications and assumptions and the Design Intent Statement. Contingent upon the Contracting Authority's approval of the final Contract Sum, the parties will enter into an amendment to the Agreement establishing the Contract Sum ("GMP Amendment"). The final negotiated Contract Sum shall not exceed the Project Budget established for construction. If the proposed Contract Sum exceeds the Project Budget established for construction, then the Contracting Authority may terminate the agreement with the DB and seek proposals from other firms for completion of the Project.

Construction Services: The DB shall construct the Project pursuant to the construction documents and in accordance with the schedule requirements. The DB shall hold all subcontracts and shall be fully responsible for the means and methods of construction, construction execution, progress schedule, weekly progress field reports (for work completed, work underway, and anticipated work with two week look-ahead), testing and inspections, project safety, project completion within the schedule agreed upon in the preconstruction phase, compliance with all applicable laws and regulations including monitoring compliance with all EDGE, equal employment, and prevailing wage requirements, and submitting monthly reports of these activities to the Contracting Authority. All subcontracts shall be on the subcontract form prescribed by OAC Section 153:1-03-02. The Contracting Authority reserves the right to approve the DB's selection of subcontractors and any supplemental terms to the subcontract form. Subcontractor's, involved with electrified fencing work, must be certified installers of the stun fence system provided, specified, and indicated in the Owner-provided prototype specification.

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 Design Build Project Delivery Method
2. Experience with site work associated with fencing Projects
3. Experience with electronic controls and tie-in to uninterrupted power supply systems
4. Working on phased Project with multi-sites
5. Experience with fast-track Projects
6. Electrified Security Fencing
7. Work within secured perimeters, Correctional Facilities (eg: sally-port access, tool controls, etc)
8. Work within an occupied facility/sites
9. Experience with State of Ohio Construction Contracts
10. Familiarity with State of Ohio Construction processes (eg: OAKS CI)

C. Funding / Estimated Budget

Total Project Cost	<u>\$12,500,000</u>	State Funding	<u>\$12,500,000</u>
Construction Cost	<u>\$9,700,000</u>	Other Funding	<u>\$0</u>

Request for Qualifications (Design-Build Contract) continued

D. Anticipated Schedule

DB Preconstruction Services Start	<u>08 / 16</u>
Construction Stage Notice to Proceed	<u>10 / 16</u>
Substantial Completion of all Work	<u>08 / 17</u>
DB Services Completed	<u>09 / 17</u>

E. EDGE Participation Goal

Percent of the DB's total compensation excluding DB's Contingency* 5.0%

*Preconstruction Stage Compensation plus Contract Sum minus DB's Contingency

F. Evaluation Criteria for Selection

Selection Criteria: The DB will be selected using (i) qualifications-based process during the Request for Qualifications (RFQ) stage to develop a short list and (ii) best value process during the Request for Proposal (RFP) stage. The qualifications-based criteria for the RFQ is included in this announcement. The best value criteria used in evaluating proposals from short listed firms will include such factors that are determined to derive or offer the greatest value to the State and Owner, combining both qualifications and fee.

Short List: Each firm responding to this RFQ will be evaluated and selected based on its qualifications and the qualifications and experience of the particular individuals identified as the candidate's proposed team for the Project. After evaluating the responses to this RFQ, the Contracting Authority will select a short list of no fewer than three candidates that it considers to be the most qualified, except if the Contracting Authority determines that fewer than three firms are qualified, it will only select the qualified firms.

Request for Proposal: The short-listed firms shall be sent a Request for Proposal ("RFP") that will invite the firms to submit pricing proposals containing their proposed preconstruction stage compensation, construction stage personnel costs, itemized construction stage general conditions costs, construction stage contingency percentage, construction stage design fee percentage, and design-build fee percentage. The short-listed candidates will also receive (i) form of the Agreement with the Contracting Authority containing the contract terms and conditions, (ii) set of the most recent criteria documents and (iii) proposed Project schedule.

Pre-Proposal Meeting: Prior to submitting a response to the RFP, the short-listed firms will be invited to meet individually with the Contracting Authority and the Owner. The purpose of the pre-proposal meeting is to permit the short-listed firms an opportunity to ask the Contracting Authority and the Owner questions in an individual setting to help the firms prepare their responses to the RFP. The Contracting Authority will notify each short-listed firm to schedule individual times for the pre-proposal meetings.

Interview: After submitting responses to the RFP, the short-listed firms will be interviewed by the Contracting Authority and representatives of the Owner. The purpose of the interview will be to meet the proposed Project team, become familiar with key personnel, and understand the project approach and ability to meet the stated objectives for the Project. Please be prepared to discuss with specificity the firm's capacity to conduct this work in compliance with the timetable, budget and EDGE expectations. The Contracting Authority will notify each short-listed firm to schedule individual times for the interviews.

Selection Schedule: Tentative schedule is subject to change.

RFP issued to the Short-Listed Firms	05/03/2016
Pre-Proposal Meetings	05/20/2016
Proposals/GMP Due	06/03/2016
Interviews	06/24/2016
Selection of DB	07/01/2016

Cancellation and Rejection: The Contracting Authority reserves the right to reject all proposals and cancel at any time for any reason this solicitation, any portion of this solicitation or any phase of the Project. The Contracting Authority shall have no liability to any proposer arising out of such cancellation or rejection. The Contracting Authority reserves the right to waive minor variations in the selection process.

Interested DB 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 DB's team. The EDGE Affidavit and / or waiver request letter and Demonstration of Good Faith Effort form(s) with complete documentation must be attached to the DB's Proposal. Both forms can be accessed via the OFCC website at <http://ofcc.ohio.gov>.

Request for Qualifications (Design-Build Contract) continued

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.

G. 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 Professional or similar software for creating a PDF rather than using a scanner. If possible, please reduce the file size of the PDF. In Adobe Acrobat Professional, go to Advanced, then PDF Optimizer. Also, please insert the project number and firm name followed by "SOQ" in the e-mail submit line.

Statements of Qualifications are to be submitted electronically by e-mail. Submittals are to be limited to a maximum of one e-mail with the total file size of 25 MB.

Unless otherwise noted or exempt, all documents submitted to the Contracting Authority in response to this RFQ and subsequent RFP are public and will be available for inspection at the conclusion of the selection process. The following information shall remain confidential and will not be released: (1) Proposal Form(s), except for cost category subtotals which will be transferred to the Best Value Rating Form; (2) Financial Capacity; and (3) Bonding/Insurance.

Proposers are requested to submit the following information in response to this RFQ within Section H of Form F110-330.

1. Summary: Provide a summary, on one page or less, describing why your firm/team is the most qualified for the Project.
2. Bonding/Insurance: Provide evidence of capacity to provide bonding in the amount of the construction budget (e.g. a letter from your Surety agent stating that one or more Sureties will issue Bonds in the amount of the construction budget if your team is selected) and a copy of the firm's certificate of insurance showing the firm's current limits of liability for commercial general liability, employer's liability, business automobile liability, and professional liability insurance.
3. Self-Performed Work: Indicate whether the firm intends to self-perform any work on the Project through a competitive process and, if so, the nature of the work and capability to self-perform.
4. Estimating: Demonstrated track record of performance of in-house estimating on projects comparable to the Project.
5. Scheduling: Demonstrated track record of performance of managing projects to the original schedule.

Firms are requested to identify professional registrations, memberships and credentials including but not limited to: 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.

Design-Build Selection Rating Form

State of Standard Forms and Documents

Project Name Population Management Fence Project Proposer Firm _____
 Project Number DRC-16F077 City, State, Zip _____

Selection Criteria		Value	Score
1. Primary Firm Location and Workload (Maximum 10 points)			
a. Proximity of firm to ORW Marysville project site	Less than 100 miles	5	
	100 miles to 150 miles	2	
	More than 150 miles	0	
b. Amount of contracts awarded by Contracting Authority in previous 24 months	Less than \$2,000,000	5	
	\$2,000,000 to \$10,000,000	2	
	More than \$10,000,000	0	
2. Primary Qualifications (Maximum 35 points)			
a. Project management lead	Experience / ability of project manager to manage scope / budget / schedule / quality	0 - 10	Max = 25
b. Project design lead	Experience / creativity of project designer to achieve owner's vision and requirements	0 - 10	
c. Technical staff	Experience / ability of technical staff to coordinate construction documents and develop accurate estimates and schedules	0 - 5	
d. Construction administration staff	Experience / ability of field representatives to identify and solve issues during construction	0 - 10	
3. Key Consultant Qualifications (Maximum 15 points)			
a. Key consultants	Experience / ability of key consultants to perform effectively and collaboratively	0 - 10	
b. Proposed EDGE-certified Consultant participation*	One point for every 2 percent increase in Services compensation** over the EDGE participation goal	0 - 5	
4. Overall Team Qualifications (Maximum 10 points)			
a. Previous team collaboration	Less than 2 sample projects	0	Max = 3
	2 to 4 sample projects	2	
	More than 4 sample projects	3	
b. LEED*** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 4 projects	0 - 3	
	4 to 6 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 consulting firm(s) and NOT the lead firm
 ** Preconstruction Stage Compensation plus Contract Sum minus Subcontracted Work, Self-performed Work, and DB's Contingency
 *** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Subtotal	
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Notes:

Evaluator:

Name _____

Signature _____ Date _____

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

Administration of Project: School District Board + OFCC

Project Name	<u>CFVLSD New Elementary Schools</u>	Response Deadline	<u>April 22, 2016</u>	<u>4:00 PM</u>	local time
Project Location	<u>See description below</u>	Project Number	<u>SFC-TBD2</u>		
City / County	<u>City / Richland</u>	Project Manager	<u>Anne Frost</u>		
Owner	<u>Clear Fork Valley Local Schools</u>	Contracting Authority	<u>School District Board + OFCC</u>		
Delivery Method	<u>CM at Risk</u>	Prevailing Wages	<u>None</u>		
No. of paper copies requested (stapled, not bound)	<u>0</u>	No. of electronic copies requested (PDF)		<u>1</u>	

Submit the requested number of Statements of Qualifications (Form F110-330) directly to **Jill Hoobler** at jill.hoobler@ofcc.ohio.gov. See Section H of this RFQ for additional submittal instructions.

Submit all questions regarding this RFQ in writing to **Jill Hoobler** at jill.hoobler@ofcc.ohio.gov 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

- Build two (2) new Elementary Schools in grades PK – 5 to house 387 students each.
The buildings are to be approximately 48,375 sf. each, not including LFI. Total co-funded budget for both schools is approximately \$23.8M.
The buildings will likely include some additional classroom area LFIs (TBD) with a total budget of approximately \$2.0M. The district is also expecting some building enhancement/features as an LFI with a total budget of approximately \$1.0M. Further evaluation is expected.
- Project is to be built in accordance with the Ohio School Design Manual.
- Scope also includes Abatement & Demolition of the existing Bellville Elementary and Butler Elementary schools. Total co-funded budget for both schools is approximately \$1.8M.
- One new school building is intended to be built on the existing Bellville site located at 195 School Street; Bellville, Ohio 44813 Street. The other new school building is intended to be built on the existing Butler Elementary site located at 125 College Street; Butler, Ohio 44822. Further evaluation is expected.
- It is the intent to have the students from the existing two schools remain in their existing facilities until the new buildings are complete. Further evaluation is expected.
- The district has their local funding in place and formal OSFC Commission approval is scheduled for the July 2016 meeting. The Project Agreement between the District and OSFC is anticipated by August 2016 and therefore it is the intent of the OFCC to have the AE Agreement shortly thereafter.

B. Scope of Services

For projects advertised with an appropriately developed Program of Requirements (POR), upon award of the Agreement, commence with Design. For projects without such a POR, upon award of the Agreement, commence by developing the Program of Requirements.

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, provide the following categories of services: Program of Requirements, Schematic Design, Design Development, Construction Document Preparation, Bid and Award Support, Conformed Documents, Construction Administration, Post-Construction, and Additional Services of all types.

Request for Qualifications (Architect / Engineer)

State of Ohio Standard Forms and Documents

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 20 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. Project Delivery Method (MP, GC, CMR, DB)
2. Role on Project (CMA, OA, CMR, DB, GC, Trade)
3. OSFC projects
4. K-12 Facility (Elementary, Middle, High, Combination)
5. New Construction on an existing site
6. LEED Certification (Reg., Cert., Silver, Gold, Plat.)
7. OAKS CI experience

C. Funding / Estimated Budget

Total Project Cost	<u>\$25,599,229 (not including LFIs)</u>	State Funding	<u>\$15,615,530</u>
Construction Cost	<u>\$21,750,000 (not including LFIs)</u>	Other Funding	<u>\$12,983,699 (Includes LFIs)</u>
Estimated A/E Fee	<u>6% to 6.5%</u>		

NOTE: The A/E fee percentage for this project includes all professional design services, and consultant services necessary for proper completion of the Basic Services for the successful completion of the project, including but not limited to: review and verification of the Program of Requirements provided by the Owner, validation of existing site conditions (but not subsurface or hidden conditions), preparation of cost estimates and design schedules for the project. Fees may be negotiated and allocated for Additional Services (e.g., extensive evaluation or validation of site conditions, extensive pre-design investigations, code-required special inspection and testing, Quality Assurance testing during the construction period, and testing due to unforeseen conditions).

D. Services Required (see note below)

Primary	<u>Architecture</u>
Secondary	<u>Mechanical/Electrical/Plumbing Engr.</u>
	<u>Civil Engineering</u>
	<u>Structural Engineering</u>
	<u>Interiors/Furniture Design</u>
	<u>Technology Design</u>
	<u>Landscape Architecture</u>
Others	<u>Food Service/Acoustical Consulting</u>

E. Anticipated Schedule

Professional Services Start	<u>07 / 16</u>
Construction Notice to Proceed	<u>08 / 17</u>
Substantial Completion of all Work	<u>12 / 18</u>
Professional Services Completed	<u>12 / 19</u>

F. EDGE Participation Goal

Percent of <i>initial</i> TOTAL A/E Fee	<u>5.0%</u>
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NOTE: The primary A/E shall be (1) a registered architect holding a license and certificate of authorization issued by the Ohio Architects Board pursuant to ORC Chapter 4703, (2) a landscape architect holding a license and certificate of authorization issued by the Ohio Landscape Architects Board pursuant to ORC Chapter 4703, or (3) a professional engineer or professional surveyor holding a license and certificate of authorization issued by the Ohio Engineers and Surveyors Board pursuant to ORC Chapter 4733.

G. 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.

Request for Qualifications (Architect / Engineer) continued

- 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.
- See rating form at the end of this RFQ.

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.

H. 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.

Statements of Qualifications are to be submitted electronically by e-mail. Submittals are to be limited to a maximum of one e-mail with the total file size of 25 MB.

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

State of Ohio Standard Forms and Documents

Project Name CFVLSD New Elementary Schools Proposer Firm _____
 Project Number SFC-TBD2 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 50 miles	5	
	50 miles to 100 miles	2	
	More than 100 miles	0	
b. Amount of fees awarded by Contracting Authority in previous 24 months	Less than \$500,000	2	
	\$500,000 to \$2,000,000	1	
	More than \$2,000,000	0	
c. Number of licensed professionals	Less than 3 professionals	1	Max = 3
	3 to 10 professionals	2	
	More than 10 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 - 10	
c. Technical staff	Experience / ability of technical staff to create fully coordinated construction documents	0 - 5	
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 3 sample projects	1	Max = 3
	3 to 9 sample projects	2	
	More than 9 sample projects	3	
b. LEED** Registered / Certified project experience	Registered projects	1	Max = 2
	Certified projects	2	
c. BIM project experience	Training and knowledge	1	Max = 3
	Direct project experience	3	
d. 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 9 projects	4 - 6	
	More than 9 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 3 projects	0 - 1	
	3 to 9 projects	2 - 3	
	More than 9 projects	4 - 5	
		Subtotal	

* Must be comprised of professional design services consulting firm(s) and NOT the lead firm
 ** Leadership in Energy & Environmental Design administered by the Green Building Certification Institute

Notes:

Evaluator:

Name _____

Signature _____

Date _____