

**INDIANA DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS PROJECT NO. 300DM-07012-35-C1
OGLE LAKE DAM REHABILITATION
BROWN COUNTY STATE PARK**

Addendum No. 1

Issue Date: Monday, October 7th, 2024 Quote Date: ~~October 16th, 2024~~ **October 24th, 2024**

The purpose of this Addendum is to make changes, additions, deletions, revisions and clarifications to the quote documents for the solicitation referenced above. Bidders shall review the Addendum requirements in detail and incorporate any effects the Addendum may have in their quote price.

In response to bidder inquiries, please note the following confirmations and clarifications:

I. Pre-Bid Meeting

The Pre-Bid Meeting minutes and Sign-In Sheet are included as part of Addendum No.1. Questions asked during the meeting and clarifications that were listed on the agenda are included in the pre-bid meeting minutes.

II. Specifications:

- a. Replace Principal Spillway Invert Repair specification pg 17 of 18 with the attached. Material product changed from GT INVERT REPAIR to GeoSpray[®], or approved equal.
(Note: Additional alternatives for the invert repair have been submit and are currently being reviewed. Determination will be provided in the next addendum.)

III. Questions and Clarifications

Clarification: The bid date/time has been moved back from October 16th, 2024 at 1:31PM EST, to October 24th, 2024 at 2:31PM EST. Bids will be publicly opened and read online in a Microsoft Teams Live Event – 3:00PM. This moves the deadline for questions to End of Day October 14th.

Clarification: Per the USACE SOP tree clearing detail:

- Trees on the embankment slope: Greater than 4” dbh need root balls removed and fill benched and compacted. Less than 4” dbh needs cut flush and treated with triclopyr or similar.
- Trees up to 15-ft from the embankment slope needs cut flush and treated with triclopyr or similar.
- All tree clearing needs to be done before April 1 due to bat restrictions.

Clarification: A video file of the principal spillway conduit is being provide via a OneDrive link. The video has 3D panning capabilities that can be used if opened with the appropriate software.

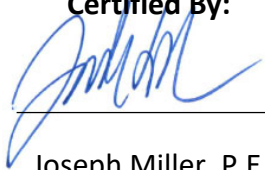
Clarification: To be used for drawdown sizing: Surface Area of lake at Normal Pool is approximate 19.6-acres. Watershed drainage area is approximately 665-acres. Reminder that drawdown rate should not exceed 1-ft/day.

This Addendum consists of 9 pages including attachments.

Attachments:

1. Pre-Bid Meeting Minutes – 2 pages
2. Pre-Bid Sign-In Sheet – 2 pages
3. Principal Spillway Invert Repair_Rev1 – 1 page
4. Dam Access Route – 2 pages

Certified By:



Joseph Miller, P.E.



Celebrating 30 Years of Making Your Project Our Priority

Date: October 3, 2024
Time: 12:30 p.m. EST
Location: Brown County State Park – Ogle Lake
1801 S.R. 46 W.
Nashville, IN 47448
Subject: **Indiana Department of Administration**
Public Works Project No. 300DM-07012-35-C1
Ogle Lake Dam Rehabilitation
Pre-Bid Meeting
Participants: Joe Miller and Max Kolb – Banning Engineering
Jomary Baller, John Spears, and Zach Bell – DNR, Engineering
Scott Crossley – DNR, State Parks

I. Introductions

- Ensure drug and alcohol testing policy form is submit with the bid packet.
- No work on weekends. Ensure parking lot traffic flows during weekly construction.
- Construction equipment access needs to be from the West Gate.
- Scott Crossley with the park will take any #53 stone if in excess.

II. Project Description

Work Includes: The project includes all work described in the construction documents, including but not limited to:

- Auxiliary Spillway
 - Injection grouting – Horizontal and 3' Vertical
 - Concrete Wier Repair
- Crest – 723.0 with No. 53 Stone
- Upstream Slope
 - Clear and graded 2.5:1
 - 10' roll Flexamat
- Principal Spillway – 5'x5' concrete box
 - Trash Rack (custom)– Actual dimensions to manufacturer
Alternate to provided design is acceptable, but needs to be similar.
 - Four sides injection grouting
 - Invert repair – 165ft / 1"
- Tree and Brush Clearing
 - P.S. outlet
 - US and DS left abutment

- Embankment (remove >4" dbh) vs 15' from abutment (cut flush)
 - Per USACE SOP detail in specs

All trees shall be disposed of by the contractor. No debris is permissible to be left on -site.

III. Pre-qualified by the Public Works Certification Board

- a. 1629.03-Dam and Dike Construction

IV. Utilities

- a. All known utility contact information is provided on the plans sheet C100

V. Items to Note

- a. Drug Free Workplace document
- b. Davis-Bacon not required
- c. 1-yr warranty
- d. Allowance – 40k

Use of allowance requires written approval PRIOR to performing said work.

- e. Question deadline ~~Wednesday October 9th~~ **End of day Monday October 7th.**
- f. Bids due 1:30PM, Thursday October 16th, opened at 2pm via teams
- g. Completion: May 16th, 2025

1-year warranty on all work.

VI. Questions

- 1) Can existing drawdown facilities be used for drawdown?
No, existing drawdown pipe is inoperable. Contractor will be responsible for any dewatering required to perform necessary construction work. Discharge over the dam can be achieved using pumps or siphon. Outlet of discharge needs to be direct to the armored channel at the outlet of the principal spillway conduit. No discharge onto the embankment is permitted. Drawdown shall not exceed a rate of 1-ft/day. See addendum no.1 for detail of lake area and hydrology.
- 2) Can a cofferdam be used to create workable area around spillway inlet?
Yes.
- 3) Dam access route?
See exhibit in addendum No.1.
- 4) Does the existing riprap on the upstream slope need removed?
Only what is necessary to grade out the upstream slope and install the flexamat.



Celebrating 30 Years of Making Your Project Our Priority

Date:	October 3, 2024
Time:	12:30 pm EST
Location:	Brown County State Park – Ogle Lake
Meeting:	Pre-Bid Meeting
Project:	Ogle Lake Dam Rehabilitation
Project No.:	BE# 22065

Name	Company/Department	Phone	Cell	Email
Joe Miller	Banning Engineering	317-707-3736		jmiller@banning-eng.com
Max Kolb	Banning Engineering	317-707-3737		mkolb@banning-eng.com
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Jomary Baller	DNR-Engineering			JBaller@dnr.IN.gov
Zach Bell	DNR-Engineering			ZaBell@dnr.IN.gov
Roger/Cyndi Wyatt	Solid Rock Contractors	765-343-2301		solidrockcontractorsllc@outlook.com
John Saxton	Sunesis Construction	513-582-2330		jsaxton@sunesiscc.com
Tom Smith	Milestone Contractors	812-369-9400		tomsmith@milestone/p.com
CHRIS LAROS	RAW FOR RENT	317-753-7113		CLAROS@RAWFORRENT.COM
Joshua Price	Structured Solutions	765-993-6000		jprice@structuredsolutions.us

Name	Company/Department	Phone	Cell	Email
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Dexter Childress	Omni Earthworks	812-309-1622 →		dchildress@omniearthworks.com
Beth Fazel	DNR	317-995-0695		efazel@dnr.in.gov
DAVID McLIMORE	SUN ENERGY GROUP	270-314-9720		DMCLIMORE@SUNENERGYGRP.NET
Tony Biasi	Scenic Construction	³¹⁷ 224-7949	Same	Tony@scenicwork.com
Jeremiah Percival	PAF construction	812-521-1473	Same	Jeremiah at PAF construction.com
John Bruce	R.L. Vuckson	812-525-7185		bruce.jd@icloud.com
RICHARD VUCKSON	R.L. VUCKSON	812-525-4265	SAME	RLVX@AOL.COM
Patrick Houser	Temple & Temple	812-595-6313	Same	Patrickh@TempleandTemple.com
Aaron Rogers	URETEK - Chem. grouting	502-314-5817	" "	arogers@uretekusa.com
Kent Hopper	IDNR	579-6104	—	khopper@dnr.in.gov
Ryan Kerns	Kerns Excavating	812-291-5156		Ryan@k-exc.com
Copper Morrow	Walls Excavating	812-530-6111		wallsexavating2@icloud.com
John Grimes	IDOA	317-234-8691		Johngrimes@Idoa.in.gov
Thierry Liberge	DNR	317-234-1111		THLIBERGE@DNR.IN.GOV

PRINCIPAL SPILLWAY INVERT REPAIR

1. SCOPE

The work shall consist of the invert repair for the principal spillway conduit. Invert shall be brought up at least 1-inch using the **GeoSpray[®], or approved equal**, for the entire spillway conduit, approximately 165 linear foot.

2. MATERIAL

The material used in the repair of the missing or deteriorated concrete pipe invert shall be an ultra-high strength, high build, abrasion resistant and corrosion resistant geopolymer mortar. This material shall be **GeoSpray[®], or approved equal**. It shall be mixed with the appropriate amount of water to create a self-consolidating free flowing material that develops a high compressive strength and adhesion within twenty-four (24) hours of placement.

The finished, hardened material shall be dense and highly impermeable; the result of a complex formulation of mineral, organic and densifying agents and sophisticated chemical admixtures. Graded quartz sands shall be used to enhance particle packing and further improve the fluidity and hardened density. The composition shall possess excellent thin-section toughness, a high modulus of elasticity in flexure and strong self-bonding capability.

Physical Properties

Set Time at 70 °F per ASTM C-403

Initial Set	Approximately 60-75 minutes
Final Set	Approximately 90-110 minutes
Flexural Strength per ASTM C-787	28 days minimum 1200psi
Compressive Strength per ASTM C-39	
24 hours	2,500 psi
28 days	8,000 psi
Split Tensile Strength per ASTM C-496	800 psi
Shear Bond per ASTM C-882	2,500 psi
Modulus of Elasticity per ASTM C-469	
28 days	Minimum: 3.48 x 10 ⁶ psi
Freeze Thaw ASTM C-666	300 Cycle Pass

3. BASIS OF PAYMENT

The determined quantities will be paid for at the contract Lump Sum Price

4. ADDITIONAL ITEMS WHICH APPLY TO THIS JOB

This application shall be completed after to the Principal Spillway Injection Grouting.



Dam crest access location. Contractor to protect asphalt parking and stone curb. Return back to existing condition.



Dam crest access location. Contractor to protect asphalt parking and stone curb. Return back to existing condition.