GWINNETT COUNTY
DEPARTMENT OF FINANCIAL SERVICES
PURCHASING DIVISION

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March 19, 2024

Addendum No. 1
BL036-24
H-22 (Lake Wellbrook), H-25 (Dew Lake), and H-3 (Haynes Pond 3)
Dams Outlet Works Rehabilitation

The following addition/changes modify the Bid No. BL036-24 "H-22 (Lake Wellbrook), H-25 (Dew Lake), and H-3 (Haynes Pond 3) Dams Outlet Works Rehabilitation" *Contract Documents, dated February 2024, as first advertised on February 21, 2024***.**

I. <u>Modifications:</u>

M1. Attachment A1, includes added language to Section 2.3 for fence gate replacement for H-22.

M2. Attachment A2, includes changes made in Sections 2.5, 3.4 and 3.5 and are summarized below:
- In Section 2.5, an additional product was added under joint or crack repair for the PSP outlet.
- In Section 3.4, language was added for concrete crack repairs where a flexible sealant is specified.
- In Section 3.5, language was added for concrete crack/joint repairs where an injection sealant is specified.

M3. Attachment A3, includes addtion of fence gate replacement for H-22 in Section 1.2.A.25

M4. Attachment A4, includes addition of fence gate replacement for H-22 as Line Item #25 and updated title of Line Item #12 to align with NRCS Spec 35 Concrete Repair updates.

II. <u>Questions:</u>

Q1. Does this project, BL036-24 Dams outlet works rehab have any diving work?
A1. Divers are not required to perform the work but means and methods are to be determined by contractor subject to approval by the Department of Water Resoruces. The lake will need to be drained in accordance with Section 31 23 19 regardless if divers are utilized.

Q2. Please provide a plan holders list.
A2. Please see Attachment A5.

Q3. What is the project estimated budget construction of this project?
A3. There is approved funding for this project. Gwinnett County expects each contractor to bid at a competitive price. The award will be made to the lowest responsive and responsible bidder.

Q4. Please provide the pre-bid sign in sheet.
A4. Please see Attachment A6.

Q5. What is the flow to maintain?
A5. See Section 31 23 19, Part 4.1 for a minimum flow table based on the site and month.

Q6. Is a floating dam acceptable?
A6. Section 31 52 00 Part 2.1(A) allows for use of alternative cofferdams presuming they meet applicable specification requirements (ex: from Section 31 52 00, Section 31 23 19).

Q7. What percentage should this be drained to?
A7. Lakes need to be drained enough to perform low level gate replacement in the dry and observe the outlet control structure in the dry.

Q8. Will surveying the property be the County or the contractor's responsibility?
A8. The access limits and limits of land disturbance shall be surveyed by the contractor in accordance with Section 01 71 23.16. Coordinate tables of these limits are provided in the Drawings. Additional survey requirements are also provided within this Section. A full property boundary survey (i.e., surveying entirety of DWR property limits) is not required.

Q9. At site H-22, will site access be allowed from the gate on the eastern side of the dam crest?
A9. Access will not be available from beyond the gate at the eastern boundary of the site. Site access will be limited to the extents shown on the contract plans.

Q10. At site H-22, is any clearing/grubbing required past the limits of the fence and gate located on the eastern boundary of the site?
A10. Clearing and grubbing is not required past the limits of fencing on the eastern side of the site.

Q11. Are there any specific requirements for fish relocation after fish are removed from each reservoir?
A11. Yes, please see Section 10 89 01 Fish Removal specifically part 3.1(D) for details regarding the fish relocation requirements. In short, the location where the fish will be relocated shall be approved by the Department of Water Resources and the Lake owner (or operator) receiving the relocated fish.

Q12. Will UV curing methods be allowed for installation of CIPP lining?
A12. Yes, UV curing is considered an acceptable option if the methods meet Section 33 01 30.73 CIPP.

III. <u>Attachments:</u>

A1. 31 13 11 Temporary Fencing
A2. NRCS Construction Specification 35 Concrete
A3. 01 22 00 Measurement and Payment
A4. Revised Bid Form
A5. Plan holders list as of 03/15/2024.
A6. Pre-Bid Sign-In Sheet from 03/07/2024

All bidders shall acknowledge receipt of this addendum by inserting its number and date in the Bid Form. Failure to do so may subject the bidder to disqualification. This addendum forms a part of the Contract Documents.

Sincerely,

Brittany Bryant, CPPB

Purchasing Associate III

SECTION 31 13 11

TEMPORARY FENCING

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

Section	Title
1.2	Work Included
1.3	Submittals
1.4	Payment
2.1	Temporary Fencing
2.2	Permanent Fencing
3.1	Temporary Fencing
3.2	Permanent Fencing

1.2 WORK INCLUDED

A. The Contractor is responsible for site safety and security, including preventing unauthorized access to the work area. As the sites are largely in residential or other area highly accessed by the general public, the use of temporary fencing or other means to deter unauthorized access may be required. The cost for establishing such barriers is incidental to the work, and any fencing used shall adhere to the requirements of this section.

1.3 SUBMITTALS

A. The Contractor shall submit for approval, in accordance with Section 01 33 00 SUBMITTAL PROCEDURES and to either Gwinnett County DOT or Georgia DOT when work is within a county or state road right-of-way, respectively, all working Contract documents and/or drawings and schedules of materials and methods proposed to be followed in the execution of the Work under this item.

PART 2 - PRODUCTS

2.1 ORANGE TREE SAVE BARRIER

A. Must have the following characteristics:

1. High Visibility
2. Lightweight and easy to handle
3. UV stabilized fabric
4. 48” height
5. 100' prefabricated rolls or 300’ fabric rolls
6. 60” heavy duty oak stakes

2.2 TEMPORARY FENCING

A. Temporary fencing shall be commercial chain link fencing.
   1. Posts, tubes, rails, bracing, fence fabric, shall be galvanized steel.
   2. Fence fabric shall be 2-inch mesh.
   3. The Contractor may embed fence posts in the earth as needed or use temporary portable bases. Fence posts shall not be embedded into the dam embankment.
   4. Upon GCDWR approval, alternative materials and types of temporary fencing may be used to meet project specific needs where such alternatives would be more appropriate than chain link fencing. Such alternatives shall be measured and paid for at the same unit of measurement and price as temporary chain link fencing.

2.3 PERMANENT FENCING

A. Permanent fencing shall be zinc, aluminum, or vinyl coated chain link fencing or wood fencing matching the existing fence material in kind to the extent possible. Fence posts shall not be embedded into the dam embankment without Engineer approval. The gate to be replaced at the eastern property boundary of H-22 may be constructed utilizing shallow excavations to a depth no greater than four feet.

PART 3 - EXECUTION

3.1 ORANGE TREE SAVE BARRIER

A. The Contractor shall install orange tree save barrier as necessary to exclude the entry of equipment onto designated areas. Said barrier is to be installed at the earliest possible opportunity. Contractor shall be responsible for maintaining fence for its intended purpose until directed to remove fence by GCDWR. No work shall be allowed on private property and/or within GCDWR granted easements until tree save barrier has been installed by the Contractor and inspected/confirmed by the Engineer and/or GCDWR Inspector. The Contractor shall obtain the services of a land surveyor, registered in the State of Georgia, to stake to designate the limits of construction per Specification 01 71 23.16.

3.2 TEMPORARY FENCING

A. The Contractor shall install temporary chain link fencing as necessary or directed by GCDWR to exclude ingress or egress of designated areas. Fencing shall be maintained in good condition during construction operations and shall be removed when no longer needed and approved by GCDWR.

3.3 PERMANENT FENCING

A. When permanent fencing is disturbed during construction, the Contractor shall either remove and store, or remove and dispose of disturbed fencing as applicable. At the completion of construction, the Contractor shall restore all disturbed fencing sections to pre-construction conditions to the extent possible. All disturbed sections shall be restored with pre-existing stored materials or in like and kind with new materials, or as otherwise negotiated with the fence/property owner.

END OF SECTION 31 13 11

NRCS CONSTRUCTION SPECIFICATION 35

CONCRETE REPAIR

PART 1 - GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

Section	Title
1.2	References
1.3	Work Included
1.4	Submittals
2.1	General
2.2	OCS Spall Repair
2.3	OCS Surface Coating
2.4	Grout
2.5	Joint or Crack Repair
3.1	Examination
3.2	Removal of disintegrated concrete
3.3	Concrete Repair for OCS and PSP
3.4	Concrete Crack Repair Where A Flexible Joint Sealant Is Specified
3.5	OCS and PSP Concrete Joint Or Crack Repair Where An Injection Sealant Is Specified
3.6	Grout for Low-Level Gate Replacement
3.7	Disposal
3.8	Dust Control

B. RELATED SECTIONS

The following listed sections do not purport to be all inclusive, as it is the Contractor's responsibility to do all the Work in accordance with the Contract Documents.

1. Measurement and Payment (Section 01 22 00)
2. Product Storage and Handling (Section 01 66 00)
3. Dewatering (Section 31 23 19)

1.2 REFERENCES

A. Drawings and general provisions of the Contract apply to this section.

B. Contractor shall be familiar with *"NRCS Material Specification 536 - Sealing Compound for Joints for Concrete and Concrete Pipe"* and specified concrete repair material data sheets and keep them at the construction site at all times. These documents must be complied with as applicable.

1.3 WORK INCLUDED

A. The Work covered under this item shall include:

1. Removal of unsuitable concrete, surface and face preparation, and furnishing, placing, finishing, and curing concrete repair material as required to repair structures

designated;

2. Removal of unsuitable concrete and installation of sealant as required for joint and crack repair;

3. Addition of abrasion resistant polymer for concrete surfaces as required; and

4. All labor, materials, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

1.4 SUBMITTALS

A. Submit for approval, in accordance with Section 01 33 00 SUBMITTAL PROCEDURES all working drawings and schedules of materials and methods proposed to be followed in the execution of the Work under this item.

B. Contractor shall submit to the Engineer the manufacturer's certification, that the products will meet or exceed the specified requirements. Additionally, the Contractor shall provide product data sheets for the proposed concrete repair products.

PART 2 - PRODUCTS

2.1 GENERAL

A. For all types of repair material, the cementitious components shall be kept dry and protected from contamination until incorporated in the mix. Broken containers or bags of premeasured and premixed components will not be accepted.

B. For non-cementitious components, handling and storage shall follow the manufacturer's recommendations and requirements in accordance with Section 01 66 00 PRODUCT STORAGE AND HANDLING.

C. If the Contractor prefers alternative concrete repair products, then the Contractor shall submit the alternative products manufacturer's certification and data sheets to the Engineer for approval per Article 1.4. Approved concrete repair products are listed below.

2.2 OCS SPALL REPAIR

A. Walking Surface: SIKAQUICK 1000

B. Vertical and Overhead Surfaces: SIKAQUICK VOH

2.3 OCS SURFACE COATING

A. Walking Surface: SIKAGARD FLEXCOAT

B. Interior and Exterior Surfaces: SIKATOP-144

2.4 GROUT

A. Five Star Grout

2.5 JOINT OR CRACK REPAIR

A. OCS: SIKA INJECTION 310 US

B. PSP Outlet: SIKAFLEX-1A

C. Underwater concrete joint product: SPLASH ZONE A788

PART 3 - EXECUTION

3.1 EXAMINATION

A. Prior to examination of the OCS, full lake drawdown to the foundations will be required accordance with Section 31 23 19 and the Contractor-supplied Water Control Plan. Following lake drawdown, the exposed concrete surface of the OCS should be cleaned with pressurized water in accordance with the Drawings.

B. Prior to concrete removal, the Contractor shall mark all areas (OCS, PSP, parapet wall, pavements, etc.) requiring concrete repair for review by the Engineer and Owner's representative.

3.2 REMOVAL OF DISINTEGRATED CONCRETE

A. All loose, cracked or otherwise unsuitable or defective concrete shall be removed from the existing structure as shown on the Drawings or specified in the General Notes.

B. The Contractor shall only use hydro-demolition equipment, pneumatic hammers, or hand tools for removal of concrete. Pneumatic hammers shall be limited to between 15 to 30 pounds max impact energy per blow.

C. Excavate around repair area as required to expose a sound concrete surface. The repaired area will have square corners with minimum 1-inch side dimensions.

D. Feathered edges at the surface are not permitted. The surface edge of the repaired area shall be cut with a saw, drilled, or chipped to leave a sharp edge with a minimum of a 1/4-inch depth face perpendicular to the face of the wall for spalls less than 1/2-inch deep and a minimum of a 1/2-inch depth face perpendicular to the face of the wall for spalls deeper than 1/2-inch .

E. Care shall be used in working around existing reinforcing steel if encountered so as not to damage or de-bond the steel. Where reinforcing steel is exposed, either by deterioration of concrete or removal of un-sound concrete, remove concrete to a minimum 3/4-inch clear beyond reinforcing. Exposure of reinforcing steel is not anticipated. If exposed reinforcing steel is encountered, contact the engineer to discuss if additional repair measures are needed beyond the herein prescribed repair.

F. All oil and grease, as applicable, shall be steam or solvent cleaned from all reinforcement and surfaces to which the repair material is required to bond. If solvent cleaning is used, solvents and solvent residue shall not impair the repair material or its bonding strengths.

G. After removal of all oil and grease, the reinforcement shall be cleaned to remove any rust, mill scale, and other coatings or foreign substances that would impair bonding of the repair material to the reinforcement. The repair hole shall be free of chips, sawdust, debris, free water, ice, snow, or other harmful substances or coatings.

H. Before the concrete repair material is placed, all proposed repair surfaces shall be approved by the Engineer and GCDWR

3.3 CONCRETE REPAIR FOR OCS AND PSP

A. The Contractor shall clean and prepare the surface as described in Article 3.2.

B. Mix and place specified material for concrete spall repair in accordance with manufacturer's specifications and the design drawings.

C. Install a waterproof joint sealant for the OCS at horizontal construction joints for the full length on all sides of structure.

D. Apply a protective coating to the exposed concrete surface.

3.4 CONCRETE CRACK REPAIR WHERE A FLEXIBLE JOINT SEALANT IS SPECIFIED

A. The Contractor shall rout a channel along crack or joint. Channel shall be wide enough (>1/2-inch) to create straight edges.

B. Feathered edges at the surface are not permitted. The surface edge of the repaired area shall be cut with a saw, drilled, or chipped to leave a sharp edge with a minimum of a 1/2-inch depth face perpendicular to the face of the wall.

C. Apply bond breaker to base of routed channel and then fill channel with approved joint sealant per manufacturer's recommendations.

3.5 OCS AND PSP CONCRETE JOINT OR CRACK REPAIR WHERE AN INJECTION SEALANT IS SPECIFIED

A. Crack or joint waterproof resin injection should be performed by qualified personnel with previous experience in concrete repair by resin injection.

B. Resin injection to be mixed and placed per manufacturer product specifications, and applied to full length and depth of joint or crack.

C. All joints in the OCS walls, and open through thickness cracks, are to be injected unless they do not accept grout. All 2-foot long cracks, wider than 10 mils, in the OCS foundation/floor slabs and roof, and PSP outlet headwall and foundation slab are to be injected unless they do not accept grout. Perform crack repairs in accordance with the manufacturer's directions, and in accordance with the following basic procedure:

1. Remove unsound and foreign materials from the crack in a manner that does not trap debris in the crack and prevent the flow of repair materials.

2. Remove contamination by flushing with water or solvent, allowing adequate time for air-drying or blow out the solvent with compressed air. Any solvents must be fully flushed from the joint unless NSF/ANSI Standard 61 approved.

3. Install the injection ports in accordance with the manufacturer's directions.

4. Moisture
   - For non-structural cracks, moisture must be present for the chemical grout to react.
   - Prior to injecting the repair materials, inject the crack with a small amount of water in order to completely moisten the crack.

5. Inject the repair materials, with consideration of the following items:
   - Carefully select the pressure of the hydraulic pump or other device, because too much pressure can extend the existing cracks and cause more damage.
   - For vertical cracks, start by pumping material into the entry port at the lowest elevation until the material level reaches the entry port above, cap the lower injection port and repeat the process at successively higher ports until the crack has been completely filled, and then, starting again at the lowest port, re-inject into all ports in order to ensure that all voids are properly sealed off.
   - For horizontal cracks, start at one end of the crack and work to the other end, filling the crack until the pressure can be maintained.
   - For very fine cracks, start the injection of repair material at the widest end and proceed toward the thinner end.

6. Cleanup
   - Remove excess surface material by grinding or other appropriate means.
   - Coat fittings and holes at injection ports with an epoxy patching compound.
   - If crack repairs are part of repair for surface defects, painting with epoxy is not necessary and surface preparation may be started after crack repairs have been completed.

3.6 GROUT FOR LOW-LEVEL GATE REPLACEMENT

A. For low-level gate frame, the Contractor shall clean and prepare the surface as described in Article 3.2. Then the Contractor shall place bonding agent prior to placing grout seal material in compliance with manufacturer's recommendations and in accordance with the Drawings and General Notes.

3.7 DISPOSAL

A. The Contractor shall dispose of all concrete and debris from the repair works offsite and per applicable permits by the Contractor.

B. No material may be disposed of by burial or burning onsite.

3.8 DUST CONTROL

A. The stabilization measures contained in this section are for controlling air movement of

dust on construction sites.

B. Dust may be controlled by use of irrigation. Irrigation may be accomplished by sprinkling water on the surface until the surface is wet and no longer produces dust or by applying a constant stream of water (i.e. - wet saw). This must be repeated as necessary to minimize dust production.

END OF NRCS SECTION 35

SECTION 01 22 00

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 SUMMARY

A. This section defines the Pay Items of Work listed on the Bid Form and defines how payment shall be determined. In general, the project shall be bid as Lump Sum for all aspects of the Work, whether they are included in the Bid Items within this section or not. Contract offsets shall be included as detailed in paragraph 1.1a(3). Payment shall be made for each Bid Item based on the description in this Section. The Bid Items included in this section have been separated into three categories:

1. Items included in based bid but not to be tracked against said base bid. For these items, the Contractor shall derive a price for the associated work as a component of the overall Lump Sum bid amount.
2. Items to be tracked against an assumed base bid quantity. For these items, the Contractor shall assume the given quantity to derive a price for the associated work as a component of the overall Lump Sum bid amount. The provided unit price will then be used to either add to or deduct from the overall contract amount based on the difference in actual quantity installed vs. the assumed base bid quantity.
3. Items to be used only for additional or omitted work. These items are to be used only when additional work is added to the project, or when scope elements are omitted from the project. In general, however, these items will not be tracked against a base bid quantity to adjust the contract.

B. The individual Pay Item descriptions are not exhaustive and do not detail each specific item need to complete the Work. Any item of work shown on the Contract Documents and/or Drawings or called for in the Specifications but not specifically enumerated for separate measurement and payment in the various project bid items shall considered incidental to the project. All incidental work shall be included in the various contract bid items as determined by the Contractor.

C. Bid Prices included on the Bid Form shall be full compensation for all materials, labor, equipment, tools, construction equipment and machinery, heat, utilities, mobilization, demobilization, transportation, taxes, overhead, markup, incidentals and services necessary for the execution and completion of the Work in the Contract Documents to be performed under this Contract.

D. Where applicable, the Contractor shall assist and fully cooperate with GCDWR and the Engineer to determine proper measurement and payment for each item providing complete and reasonable backup documentation as requested by GCDWR to substantiate payment due.

1.2 BID ITEMS

A. SECTION I -UNIT PRICE ITEMS

1. MOBILIZATION/DEMOBILIZATION

MEASUREMENT: One mobilization and one demobilization per Project Site.

PAYMENT: The Unit Price per Site shall include mobilization of equipment, facilities, materials (ex: timber mats, aggregate), project setup etc. to begin the Work and the removal (i.e. - demobilization) of the equipment, facilities, materials, waste, etc. by the Contractor following completion of the Work. This includes all labor, materials, equipment, and other incidentals required to complete mobilization/demobilization.

2. CONSTRUCTION SURVEYING

MEASUREMENT: Once per Project Site.

PAYMENT: The Unit Price per Site shall all labor, equipment, and materials necessary to perform surveying including project stakeout surveys, progress surveys, record drawings/as-built surveys, construction surveying, and additional surveys required to complete the Work. This includes all labor, materials, equipment, and other incidentals required to complete the Work.

3. EROSION, SEDIMENT AND POLLUTION CONTROLS

a. SILT FENCE (Sd1-S)

MEASUREMENT: Linear Foot.

PAYMENT: The Unit Price per linear foot shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work. No additional payment shall be made for maintenance or re-installation of fence to meet requirements.

b. CONSTRUCTION EXIT (Co)

MEASUREMENT: One construction exit per Project Site.

PAYMENT: The Unit Price per Site shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the construction exit required to complete the Work.

c. TREE PROTECTION (Tr)

MEASUREMENT: Linear Foot. This item shall not be utilized for orange barrier fencing used as safety fence, which shall be considered incidental to the Work. Instead, this item shall be used to delineate areas of no disturbance to existing vegetation.

PAYMENT: The Unit Price per linear foot shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work. No additional payment shall be made for maintenance or replacement of Tree Protection fencing.

d. TIMBER MATS

MEASUREMENT: Once Per Project Site

PAYMENT: The Unit Price per section shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, and removal of the temporary working surface improvement controls required to complete the Work. No additional payment shall be made for maintenance or re-installation of timber

mats to meet requirements.

e. PERMANENT SEEDING (DS3)

MEASUREMENT: Acre.

PAYMENT: The Unit Price per acre includes the furnishing of all labor, materials, topsoil, watering, fertilizing, maintenance, equipment, inspection, monitoring, and reporting on the erosion and sediment controls necessary to complete the Work.

4. FISH REMOVAL

MEASUREMENT: Once per Project Site.

PAYMENT: The Unit Price per Site shall include fish removal prior to dewatering. This includes all labor, materials, equipment, and other incidentals required to complete the Work.

5. DEWATERING AND WATER CONTROL

a. DEWATERING AND WATER CONTORL WITH LOW LEVEL GATE DRAIN

MEASUREMENT: Once per Project Site.

PAYMENT: The Unit Price per Site shall include initial lake dewatering, installation of water control structures, and all other labor, materials, equipment, and other incidentals required to complete the Work. (Shown for Sites H-25 and H-3)

b. DEWATERING AND WATER CONTROL WITHOUT LOW LEVEL GATE DRAIN

MEASUREMENT: Once per Project Site.

PAYMENT: The Unit Price per Site shall include initial lake dewatering, installation of water control structures, and all other labor, materials, equipment, and other incidentals required to complete the Work. (Shown for Sites H-22)

6. CLEARING AND GRUBBING

MEASUREMENT: Acre.

PAYMENT: The Unit Price per acre shall include removal and disposal of all unwanted surficial vegetative matter (excluding stump removal and trees larger than 12” diameter), and all other labor, materials, equipment, and other incidentals required to complete the Work.

7. SELECTIVE TREE PRUNING

MEASUREMENT: Per Crew Per Day.

PAYMENT: The Unit Price shall include all necessary tools, labor, equipment, and materials required to perform tree pruning, removal and disposal of the debris in an approved off-site facility, and all other incidentals required to complete the Work.

8. SELECTIVE TREE REMOVAL

MEASUREMENT: Per Tree. Separate Unit Prices to be provided for tree diameter ranges over 12”to 24” and 24” and above. Diameter is measured at 5 feet up from ground surface.

PAYMENT: The Unit Price for each tree removed shall include all necessary tools, labor, equipment, and materials required to remove the tree, removal and disposal of the tree in an approved off-site facility, and all other incidentals required to complete the Work.

9. STUMP GRINDING AND REMOVAL

MEASUREMENT: Per Tree Stump. Separate Unit Prices to be provided for tree diameter ranges over 2" to12", over 12" to 24" and 24" and above. Diameter is measured at ground level.

PAYMENT: The Unit Price for each stump removed shall include all necessary tools, labor, equipment, and materials required to remove the stump and root wad, removal and disposal of the stump in an approved off-site facility, backfilling of the removal area and associated over-excavation as required, and all other incidentals required to complete the Work.

10. RIPRAP (TYPE 1) REPLENISHMENT OF EXISTING RIPRAP AREAS

MEASUREMENT: Ton

PAYMENT: The Unit Price per ton shall include furnishing and placing Riprap in locations determined by the Engineer for the purpose of replenishing bare spots within existing areas of riprap.

11. CONCRETE SURFACE CLEANING FOR OUTLET CONTROL STRUCTURE

MEASUREMENT: Square Foot.

PAYMENT: The Unit Price shall include pressure washing, cleaning, sanding, grinding, and all other labor, materials, equipment, and other incidentals required to complete the Work for cleaning marine growth from the structure.

12. CONCRETE REPAIR OF CRACKS, DETERIORATED JOINTS, AND JOINT EDGE SPALLS

MEASUREMENT: Linear Foot.

PAYMENT: The Unit Price per linear foot shall include routing, grinding, preparing, installing specified sealant materials, and all other labor, materials, equipment, and other incidentals required to complete the Work.

13. CONCRETE SPALL REPAIR

MEASUREMENT: Square Foot. Separate Unit Prices to be provided for up to ½" depth repairs and ½" to 1" depth repairs.

PAYMENT: The Unit Price shall include surface preparation and installation of specified spall repair materials, and all other labor, materials, equipment, and other incidentals required to complete the Work.

14. CONCRETE SURFACE COATING

MEASUREMENT: Square Foot.

PAYMENT: The Unit Price shall include surface preparation and installation of specified surface coating materials, and all other labor, materials, equipment, and other incidentals required to complete the Work.

15. LOW-LEVEL DRAWDOWN GATE AND APPURTENANCES REPLACEMENT

MEASUREMENT: Per gate.

PAYMENT: The Unit Price includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, remove existing gate as needed, and install new gate and appurtenances in accordance with the

requirements of the Contract Documents.

16. LOW STAGE TRASH RACK AND APPURTENANCES REPLACEMENT
MEASUREMENT: Per trash rack.
PAYMENT: The Unit Price includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, remove existing low-stage trash rack members as needed, and install new stainless steel trash rack members and appurtenances in accordance with the requirements of the Contract Documents.

17. HIGH STAGE TRASH RACK AND APPURTENANCES REPLACEMENT
MEASUREMENT: Per trash rack.
PAYMENT: The Unit Price includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, remove existing high-stage trash rack members, and install new stainless steel trash rack members and appurtenances in accordance with the requirements of the Contract Documents.

18. UNUSED ANCHORAGES REMOVAL AND CONCRETE REPAIR
MEASUREMENT: Per anchorage removed.
PAYMENT: The Unit Price shall include removal of the existing hardware for unused anchorages on the outlet control structures. This also includes surface preparation and installation of specified concrete repair materials, and all other labor, materials, equipment, and other incidentals required to complete the Work in accordance with the requirements of the Contract Documents.

19. GEAR LIFT PEDESTAL EXTENSIONS
MEASUREMENT: Per pedestal extension.
PAYMENT: The Unit Price includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, remove existing gear lift pedestal, as needed, and install new components in accordance with the requirements of the Contract Documents.

20. PLATFORM RAILING INSTALLATION
MEASUREMENT: Per platform installation.
PAYMENT: The Unit Price includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, and install new aluminum platform railing components in accordance with the requirements of the Contract Documents.

21. LADDER INSTALLATION
MEASUREMENT: Linear Foot.
PAYMENT: The Unit Price per linear foot includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, and install new aluminum ladder components in accordance with the requirements of the Contract Documents.

22. CLEAN AND RECOAT ACCESS HATCH
MEASUREMENT: Each.
PAYMENT: The Unit Price shall include surface preparation and installation of specified

surface coating materials, and all other labor, materials, equipment, and other incidentals required to complete the Work. Surface cleaning decontamination for H-3 and H-25 in accordance with the Contract Documents shall be included in the cost.

23. CURED-IN-PLACE-PIPE (CIPP) INSTALLATION
MEASUREMENT: Linear foot of final installed pipe.
PAYMENT: The Unit Price per linear foot includes all labor, equipment, and materials necessary to furnish (including fabrication and delivery), prepare existing infrastructure, and install CIPP. This also includes training, preparing, pre- and post-installation CCTV inspections and furnishing condition assessment reports in accordance with the requirements of the Contract Documents.

24. CLEAN AND RECOAT STEEL BAND (PSP OUTLET)
MEASUREMENT: Each.
PAYMENT: The Unit Price shall include surface preparation and installation of specified surface coating materials, and all other labor, materials, equipment, and other incidentals required to complete the Work.

25. FENCE GATE REPLACEMENT FOR H-22
MEASUREMENT: Each.
PAYMENT: The Unit Price shall include removal and disposal of the existing gate and installation of the lockable swing fence gate including foundations and tie ins to existing chain link fencing, and all other labor, materials, equipment, and other incidentals required to complete the Work.

B. SECTION II- OWNER DIRECTED UNIT PRICE ITEMS

A.1 DEBRIS REMOVAL:
MEASUREMENT: Ton.
PAYMENT: The Unit Price per ton for debris removal shall include removal, loading, haul away, and disposal of trash, debris, detritus, dumped waste materials, automobiles, and all other tools, equipment, labor, materials, and incidentals required to complete the Work.

A.2 FENCING REMOVAL, STORAGE, AND RESETTING, FENCING, REMOVAL AND REPLACEMENT, ALL TYPES, COMPLETE, AND TEMPORARY FENCING:
MEASUREMENT: Linear Foot.
PAYMENT: The Unit Price per linear foot shall include furnishing and installing poles, wood fencing, fence fabric including plain and vinyl coated chain link fencing, cross beams, gates, slates, maintenance during construction, disposal of fencing removed, and all other labor, materials, equipment, and incidentals required to complete the Work. Removal, handling, hauling, and disposal of existing fences will be considered incidental to this Pay Item and no additional compensation will be made.

A.3 CLASSIFIED STONE (#57, CRUSHER RUN, ETC.)
MEASUREMENT: Ton.
PAYMENT: The Unit Price per ton of Classified Stone include hauling, handling, placement, compaction, any additional permit fees, maintenance charges and inspection

fees required by all road departments and the furnishing of all materials, labor, tools, and equipment necessary to complete the Work.

A.4 MULCH

MEASUREMENT: Cubic Yard.

PAYMENT: The Unit Price per cubic yard shall include all labor, equipment, and materials necessary for furnishing, placing, maintenance, removal, inspection, monitoring, and reporting on the erosion and sedimentation controls required to complete the Work. No additional payment shall be made for re-application or maintenance of mulch.

A.5 ADDITIONAL CCTV INSPECTION:

MEASUREMENT: Linear foot of pipe.

PAYMENT: The Unit Price per linear foot shall be full compensation for furnishing all labor, tools, training, preparing, and furnishing condition assessment reports, and all other labor, materials, equipment, and incidentals required to complete the Work.

A.6 RIPRAP (TYPE III)

MEASUREMENT: Ton.

PAYMENT: The Unit Price per ton shall include furnishing and placing Riprap in locations determined by the Engineer for the purpose of replenishing bare spots within existing areas of riprap.

A.7 SEEDING, TEMPORARY

MEASUREMENT: Acre.

PAYMENT: The Unit Price per acre includes the furnishing of all labor, materials, topsoil, watering, fertilizing, maintenance, equipment, inspection, monitoring, and reporting on the erosion and sediment controls necessary to complete the Work.

A.8 SODDING, PERMANENT

MEASUREMENT: Acre.

PAYMENT: The Unit Price per acre includes the furnishing of all labor, materials, topsoil, watering, fertilizing, maintenance, equipment, inspection, monitoring, and reporting on the erosion and sediment controls necessary to complete the Work.

A.9 EXCAVATION AND ON-SITE MANAGEMENT OF EXCAVATED MATERIAL

MEASUREMENT: Cubic Yard.

PAYMENT: The Unit Price per cubic yard shall include all materials, equipment, labor, and other incidentals necessary to remove, grade, haul, and placement and compaction of material on-site (including compaction testing, if necessary, as determined by the Engineer) required to complete the Work. The location of excavation and placement of excavation material shall be determined by the Engineer.

A.10 OFF-SITE BORROW SOURCE FILL PLACEMENT

MEASUREMENT: Cubic Yard.

PAYMENT: The Unit Price per cubic yard shall include all materials, equipment, labor, and other incidentals necessary to procure, haul from an off-site borrow source, place, compact, test for density and moisture, and grade. The location where material shall be placed be determined by the Engineer.

A.11 TOPSOIL

MEASUREMENT: Cubic Yard.

PAYMENT: The Unit Price per cubic yard shall include all materials, equipment, labor, and other incidentals necessary to procure, haul from an off-site borrow source, place, compact, complete soil tests, and grade. The location where material shall be placed be determined by the Engineer. The additional item is intended for areas requiring topsoil that were not disturbed the Contractor. Topsoil necessary to restore grades in areas that were disturbed by the Contractor during the project are considered incidental.

END OF SECTION 01 22 00

BID FORM

BID NUMBER: BL036-24
BID DATE: APRIL 02, 2024
COMPANY NAME: _____
BIDDER'S SIGNATURE: _____

4. Bidder submits the following lump sum/unit prices for the **H-22 (Lake Wellbrook), H-25 (Dew Lake), and H-3 (Haynes Pond 3) Dams Outlet Works Rehabilitation** identified in Bid Form as part of this Bid.

BID SCHEDULE

BID ITEM #	SPEC. SECTION	DESCRIPTION	M&P*	EST. QTY	UNIT PRICE	EXTENDED PRICE
PART 1 – UNIT PRICE ITEMS						
1	01 22 00	Mobilization / De-mobilization	1	3 LS	$	$
2	01 71 23.16	Construction Surveying	2	3 LS	$	$
3		Erosion, Sediment and Pollution Controls	3			
3a	31 25 00	Silt Fence (Sd1-S)	3a	2,015 LF	$	$
3b	31 25 00	Construction Exit (Co)	3b	3 EA	$	$
3c	31 13 11	Tree Protection (Tr)	3c	475 LF	$	$
3d	31 52 00	Timber Mats	3d	3 LS	$	$
3e	31 25 00 32 92 00	Permanent Seeding (Ds3)	3e	2.3 AC	$	$
4	10 89 01	Fish Removal	4	3 LS	$	$
5		Dewatering and Water Control	5			
5a	31 23 19 31 52 00	Dewatering and Water Control with Low Level Gate Drain for H-3 and H-25	5a	2 LS	$	$
5b	31 23 19 31 52 00	Dewatering and Water Control without Low Level Gate Drain for H-22	5b	1 LS	$	$
6	31 11 00	Clearing & Grubbing	6	0.5 AC	$	$
7	31 11 00	Selective Tree Pruning for H-25 Access Path	7	1 CREW-DAY	$	$
8		Selective Tree Removal	8			
8a	31 11 00	Selective Tree Removal (Over 12" – 24" Diameter)	8a	12 EA	$	$
8b	31 11 00	Selective Tree Removal (Over 24" Diameter)	8b	1 EA	$	$
9		Stump Grinding and Removal	9			

BID FORM

BID NUMBER: BL036-24
BID DATE: APRIL 02, 2024
COMPANY NAME: _____
BIDDER'S SIGNATURE: _____

BID SCHEDULE CONTINUED

BID ITEM #	SPEC. SECTION	DESCRIPTION	M&P*	EST. QTY	UNIT PRICE	EXTENDED PRICE
9a	31 11 00 31 23 00	Stump Grinding and Removal (Over 2" – 12" Diameter)	9a	20 EA	$	$
9b	31 11 00 31 23 00	Stump Grinding and Removal (Over 12" – 24" Diameter)	9b	12 EA	$	$
9c	31 11 00 31 23 00	Stump Grinding and Removal (24" and above Diameter)	9c	1 EA	$	$
10	31 37 00	Riprap (Type I)	10	75 TONS	$	$
11	NRCS Spec 35	Concrete Surface Cleaning for Outlet Control Structure	11	4,030 SF	$	$
12	NRCS Spec 35	Concrete Repair of Deteriorated Joints and Joint Edge Spalls	12	390 LF	$	$
13	NRCS Spec 35	Concrete Spall Repair	13			
13a	NRCS Spec 35	Concrete Spall Repair (Up to ½" Deep)	13a	120 SF	$	$
13b	NRCS Spec 35	Concrete Spall Repair (1/2" to 1" Deep)	13b	40 SF	$	$
14	NRCS Spec 35	Concrete Surface Coating	14	4,030 SF	$	$
15	NRCS Spec 71	Low-Level Drawdown Gate and Appurtenances Replacement	15	3 EA	$	$
16	NRCS Spec 81 Misc. Metals	Low-Stage Trash Rack and Appurtenances Replacement	16	3 EA	$	$
17	NRCS Spec 81 Misc. Metals	High-Stage Trash Rack and Appurtenances Replacement	17	6 EA	$	$
18	NRCS Spec 35	Unused Anchorages Removal and Concrete Repair	18	46 EA	$	$
19	NRCS Spec 71	Replace Gear Lift Pedestals	19	3 EA	$	$
20	NRCS Spec 81 Misc. Metals	Platform Railing Installation	20	3 EA	$	$
21	NRCS Spec 81 Misc. Metals	Ladder Installation	21	50 LF	$	$
22	NRCS Spec 82 02 51 29	Clean and Recoat Access Hatch	22	3 EA	$	$
23	33 01 30.73	Cured-in-Place Pipe (CIPP) Installation	23	585 LF	$	$
24	NRCS Spec 82	Clean and Recoat Steel Band (PSP Outlet)	24	3 EA	$	$
25	33 13 11	Fence Gate Replacement for H-22	25	1 EA	$	$
					PART 1 TOTAL	**$**

BID FORM

BID NUMBER: BL036-24
BID DATE: APRIL 02, 2024
COMPANY NAME: _____
BIDDER'S SIGNATURE: _____

BID SCHEDULE CONTINUED

BID ITEM #	SPEC. SECTION	DESCRIPTION	M&P*	EST. QTY	UNIT PRICE	EXTENDED PRICE
PART II – OWNER DIRECTED UNIT ITEMS						
A.1	01 74 19	Debris Removal	A.1	5 TONS	$	$
A.2	31 13 11	Fencing Removal, Storage, and Resetting, Fencing Removal and Replacement, All Types, Complete and Temporary Fencing	A.2	100 LF	$	$
A.3	31 23 00	Classified Stone (#57 Stone, Crusher Run, etc.)	A.3	150 TONS	$	$
A.4	32 92 00	Mulch	A.4	50 CY	$	$
A.5	33 01 30.73	Additional CCTV Inspection	A.5	150 LF	$	$
A.6	31 37 00	Riprap (Type III)	A.6	50 TONS	$	$
A.7	32 92 00	Seeding, Temporary (Ds2)	A.7	0.5 AC	$	$
A.8	32 92 00	Sodding, Permanent (Ds4)	A.8	0.5 AC	$	$
A.9	31 23 00	Excavation And On-Site Management of Excavated Material	A.9	20 CY	$	$
A.10	31 23 00	Off-Site Borrow Source Fill Placement	A.10	20 CY	$	$
A.11	32 91 13 32 92 00	Topsoil	A.1	100 CY	$	$
					PART II TOTAL	**$**
					OVERALL TOTAL (PART I + PART II)	**$**

M&P* means Measurement & Payment Item #

Plan Holders List for BL036-24 (H3/H22/H25 Outlet Works Rehabilitation)

Prepared by: Stantec Consulting Services, Inc

Reflective of Information Received As of: March 15, 2024 at 4:00 PM ET

Primary Contact	Company	Email	Phone	Mobile
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Paul Bartow	Specialty Diving of Louisiana	pbartow@sdive.com	985-542-8770	985-634-1230
Brandon	Attaway Contracting	attaway.contracting@gmail.com	770-231-8123	
John Lee	Helix Grading and Utility LLC	John@helixllc.us	470-491-4500	678-972-2888
Debbie Massey	Southern Premier Contractors	debbie@southernpremiercontractors.com		
Marshall Whitmer	Speciality Offshore, Inc.	mwhitmer@sdive.com	925-542-8771	270-925-5695
Joseph Templeton	Zion Marine	jtempleton@zionmarine.com	423-343-5312	770-742-5334

3/7/24 @ 10AM

PRE-BID CONFERENCE

BL#036-24

(DEPARTMENT REPRESENTATIVES SIGN-IN AT BOTTOM)

	Representative Name	Company Name	Phone #	E-Mail Address
1.	Jeremy Pratt	Gwinnett DWR	678-232-4710	jeremy.pratt@gwinnettcounty.com
2.	Jimmy Grimes	GC DWR		James.Grimes@gwinnettcounty.com
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4.	Craig Weatherly	NGC	770-355-7471	CWEATHERLY@NORTHGEORGIACONCRETE.COM
5.	Jeff Rudiger	North Georgia Concrete	678-617-2194	jrudiger@northgeorgiaconcrete.com
6.	Nathen Kulling	IHC	678-463-7606	nKulling@IHCconstruction.com
7.	Brad Williams	Crowder	404-938-7012	bwilliams@crowderusa.com
8.	Kevin Collins	CROWDER	678-373-6112	KCollins@crowderusa.com
9.	Jim Martin	Headwaters Con.	912 293-0186	jmartin@headwaterconstruction.us
10.	Haylee McElleskey	Headwaters Construction	770-888-1956	haylee@headwaterconstruction.us
11.	Eric Martin	Haren Construction	423 506-8689	EMartin@harenconstruction.com
12.	Kenneth Turpin	IMI Industrial	762 234 6027	Kenneth.Turpin@imiindustrialservices.com
13.	Aaron Rensberger	IMI Industrial	478-454-6686	Aaron.Rensberger@imiindustrialservices.com

Department Representative Name	Department	Department Representative Name	Department
Brittany Bryant	DOFS-Purchasing		
Caitlin Pristipa	Stantec		
Wendy Dunyard	GC DWR		
Ben Greenwell	Stantec		

03/07/24

PRE-BID CONFERENCE

BL#036-24

Representative Name	Company Name	Phone #	E-Mail Address
(DEPARTMENT REPRESENTATIVES SIGN-IN AT BOTTOM)			
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Department Representative Name	Department	Department Representative Name	Department