

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
April 1, 2026

CONSENT AGENDA
ITEM 8

HDR Engineering, Inc. Work Order #4 Amendment #3

Recommended Action -

Motion to approve and authorize the Executive Director to execute 'Work Order No. 4 – Peace River Regional Reservoir (PR3) Project' Amendment 3 for Construction Phase Services with HDR Engineering, Inc., not to exceed \$1,407,188.65.

The Siting and Feasibility Phase Study (Work Order No. 1) for the Peace River Regional Reservoir (PR3) was complete, and the Consultant, HDR presented their findings and recommendations for the sizing, siting, and configuration of the project components to the Board at the December 1, 2021, meeting. Work Order No. 2 'Peace River Regional Reservoir (PR3) Project Preliminary Design, Permitting, and Third-Party Review' advanced the project through the preliminary design phase and included geotechnical, surveying, and bathymetry investigations to inform the development of the design documents and the Environmental Resource Permit (ERP) Permit application. The Final Design and Permitting Phase (Work Order No. 3) included design progression for construction document development, permitting activities associated with permits submitted as part of Work Order No. 2, and coordination with Authority contractors and owner's representatives as needed.

PR3 Project Construction Services – Work Order No. 4:

The Peace River Reservoir No. 3 (PR3) – The CEI services for Reservoir No. 3 (PR3) project represents the 4th work order for HDR and will involve the progression of design for construction ready document development and permitting activities, continuing work initiated in previous orders and coordinating with the Authority's contractors and representatives as needed. Work Order No. 4 included an initially included 9 months of project management, environmental and building permitting with four agencies (SWFWMD, USACE, FWC, and DeSoto County), PR3 Volume 3 Early Works engineering and inspection during construction, ODP procurement for Volume 3, and Reservoir No. 3 procurement assistance and conformed plans for a not to exceed fee of \$3,605,309. The first amendment to Work Order 4 for \$2,901,780 added 30 months to the project management effort as well as engineering and construction inspection for PR3 Volumes 3 (including Volume 3 Electrical Package) and Volume 4 (Conveyance Pipeline). The second amendment to Work Order 4 for \$18,906,529.35 includes time and materials tasks for the full-time inspection and materials testing of Volume 1 (Reservoir No. 3) and Volume 5 (Mitigation) construction. This third amendment includes the environmental permitting and alternative Kings Highway open-cut analysis for Volume 2 (River Intake PS and 84" crossing Kings Highway). Additional amendment will be submitted associated with the GMP for Volume 2.

Budget Action: No Action is Needed.

Attachments:

HDR Work Order 4, Amendment 3 Scope & Fee

WORK ORDER NO. 04
PEACE RIVER REGIONAL RESERVOIR No. 3 (PR3) PROJECT
SCOPE OF SERVICES – Construction Phase
Amendment 3

April 2026

1 Introduction

Previous and Current Amendments

Amendment 1 to Work Order No. 4 included additional services for construction phase services during construction of Package 2 (Volumes 3 and 4), increased the number of Project Management time, included the Bonneted Bat Survey and Gopher Tortoise Permit Management, and increased the period of performance by 30 months until June 2028. Amendment 2 extended the contract an additional 18 months for expected completion in December 2029, and included the construction services for Package 1. **Amendment 3 includes permitting for the Volume 2 – River Intake Pump Station, and the associated effort to complete the design following permit approval. Amendment 3 also includes the value engineering design exercise to evaluate and design an open cut pipeline crossing across and bypass of Kings Hwy.** Amendments to the scope are provided in bold red text.

General Project Introduction

The Peace River Manasota Regional Water Supply Authority's (Authority) Surface Water Supply Expansion Project is a continuing program of infrastructure improvements to support regional water supply resiliency and meet growing drinking water needs across a 4-county area by interconnecting major water supplies and developing additional alternative water supply (AWS) capacity. As part of the Surface Water Supply Expansion Project, the Authority will develop additional drinking water supply capacity through expanding surface water supply facilities at the Peace River Facility. This additional AWS capacity development will require increased withdrawal capacity on the Peace River, increased water treatment capacity, and an additional off-stream raw water storage reservoir.

The Authority's existing off-stream reservoir system includes two reservoirs with a combined storage capacity of 6.5 billion gallons. Water withdrawn from the Peace River is stored in the reservoir system and supplies the Peace River Water Treatment Facility that currently provides an average 30 million gallons per day (MGD) drinking water supply to Charlotte, DeSoto, Manatee and Sarasota Counties and the City of North Port. Reservoir No.1 is primarily a below-grade reservoir completed in 1980 with approximately 500 million gallons of usable storage. Reservoir No. 2 is an above-ground reservoir completed in 2009 that provides 6.0 billion gallons of normal operating raw water storage. The reservoirs are located on lands owned by the Authority and/or the Southwest Florida Water Management District (SWFWMD).

Water is withdrawn from the Peace River at a 120 MGD pump station adjacent to the Peace River Water Treatment Facility. Withdrawals are made in accordance with a flow-based withdrawal schedule included in the Authority's Water Use Permit (WUP). The WUP was modified in February 2019, authorizing an increase in maximum withdrawal rate from the river from 120 MGD to 258 MGD. The Authority's permitted withdrawal schedule enables the harvest of a small percentage of high flow from the river for off-stream storage and supply to the Authority's Peace River Water Treatment Facility. While the withdrawal schedule preserves the majority of river flow supporting the Charlotte Harbor estuary, the reliability of this supply depends on the ability to harvest water quickly when that resource is available, and the availability of large off-stream reservoirs to store that resource.

The Authority has decided to construct a new 9-billion-gallon reservoir supplied by a new river pump station, which will operate in parallel with existing Reservoir No. 2. The new raw water pump station will be located in the vicinity of the existing raw water pump station with new transmission pipelines to convey water from the intake to the new reservoir. A new reservoir pumping station will be required to transfer water from the reservoir to the WTP.

The Authority has entered into a contract with HDR Engineering, Inc. (HDR) to provide professional services for planning, design, permitting, bidding, construction and other related services associated with the Peace River Regional Reservoir (PR3) Project (Project) to support the Authority's development of additional drinking water supply. There have been 3 work orders associated with the PR3 contract, WO1 was for Feasibility and Conceptual Design, WO2 was for Preliminary Design and Permitting, and WO3 was for Final Design.

This Work Order is for services primarily associated with the Construction Phase of the PR3 Project but will also include design tasks remaining from WO3. The PR3 construction phase consists of the following elements of work:

1. Reservoir No. 3 Construction
2. River Intake Pump Station Final Design and Construction
3. Reservoir No. 1 Pump Station Construction
4. Conveyance Pipelines Construction
5. Wetland Restoration Construction
6. **(3E) Plant Standby Power**

Construction of these project elements will be performed by both a CMAR contractor and design-bid-build contractor selected by the Authority. Additionally, some of these project elements will include early works packages or owner direct purchased (ODP) materials that will be incorporated into various procurement packages.

HDR will administer the PR3 Project as the prime consultant with multiple subconsultants supporting the HDR Team.

2 Definitions and Acronyms

The following terms and acronyms are used in this scope of services:

- “HDR” refers to HDR Engineering, Inc.
- “HDR Team” refers to HDR as the prime consultant and the subconsultants working with HDR on the project.
- “Authority” means the Peace River Manasota Regional Water Supply Authority.
- “PR3” or “PR3 Project” refers to the Peace River Regional Reservoir No. 3 Project which includes Reservoir No. 3 as well as other related pumping and conveyance infrastructure.
- “SUE” refers to sub-surface utility engineering.
- “SWFWMD” refers to the Southwest Florida Water Management District or District.
- “Technical Memorandum” means an intermediate or summary document that contains or reports information developed through an interim task.
- “USACE” Refers to the United States Army Corps of Engineers.
- “WUP” refers to the Authority’s water use permit.
- “Reserve” refers to the RV Griffin Reserve
- Day as used for scheduling is a workday.
- Week as used for scheduling means 5 working days.
- Month as used for scheduling generally means 20 working days.

3 Scope of Services

This scope of services describes the professional services to be provided by the HDR Team on behalf of the Authority for the remaining design items and Construction Phase of the PR3 Project. This phase will also include design progression for construction document development and permitting activities associated with work started and permit applications submitted as part of other work orders and coordination with Authority contractors and owner’s representatives. This phase of the project includes considerations for components of the project being constructed by different contractors under different contract procurement methods in parallel or sequential timelines.

This scope of services is modified under Amendment 1 to include the full scope of services for Volume 3, Volume 3E, and Volume 4 construction and the completion of design. Amendment 2 includes the full scope of construction phase services through Substantial Completion for Volume 1 and 5. **Amendment 3 includes the permitting and completion of design for Volume 2, value engineering design exercise to evaluate and design an open cut pipeline crossing and bypass of Kings Hwy.** This work order will be amended throughout the construction phase to include additional services, as necessary.

TASK 1 - PROJECT MANAGEMENT, COMMUNICATION AND COORDINATION

HDR will be responsible for project administration, coordination of subconsultants, communication amongst the consultant project teams, Authority staff, Construction Management at Risk (CMAR) Team and regulatory agencies, adherence to schedule and budget, development and quality control of deliverables, and invoicing.

This WO 4 phase of the project is anticipated to have a **52-month** duration with notice to proceed (NTP) in April 2025 and completion in **December 2029**. This portion of the scope of work will be paid on a lump sum basis.

Amendment 1 extends the contract an additional 30-months, with completion expected in June 2028.

Amendment 2 extends the contract an additional 18 months, with completion expected in December 2029.

Amendment 3 does not extend the contract end date.

Task 1.1 Project Management and Progress Reporting

HDR will prepare and distribute a monthly progress report regarding project status. The report will be summary in nature and focus on documentation of key decisions and work completed during the period. HDR's project manager will be the primary point of contact for the Authority, will make staffing assignments, review work progress, facilitate budgets and schedules, and monitor quality assurance and review procedures. Amendment 1 adds an additional 30 months of project management and progress reporting. Amendment 2 adds an additional 18 months of project management and progress reporting. **Amendment 3 adds additional Project Management time for coordination of the Package 2 Construction Inspector, permitting effort, and FDEP grant reporting. PM effort specific to the Draft and Final Kings Hwy Bypass design is included in Task 4. The Package 2 Construction Inspector time is being added to the contract through an Allowance Approval.**

This task includes establishment of project controls and the development of a Project Management Plan that includes internal project procedures, filing system, communications plan, a work breakdown structure, and assignments for HDR and subconsultants, quality plan, safety plan, and other project specific information. Project management includes oversight, management, and accounting of consultant activities on the project; this includes HDR and subconsultant staff management.

As part of the quality assurance for the project, the HDR Team will develop a Quality Assurance Manual (QAM) for the project that is specific to the tasks being performed. Deliverables will be reviewed in accordance with the QAM prior to submittal to the Authority. The QAM will include procedures for review of deliverables and work products as well as reviewers assigned for various tasks and disciplines. Subconsultants and subcontractors will provide HDR with their QAMs or will provide written confirmation that they will follow the HDR-developed QAM.

A high-level schedule is included with this work order. A more detailed schedule will be provided for design and permitting work to be completed as part of this work order. The

schedule will be developed in Microsoft Project format and can be submitted in either PDF or mpp file format following NTP of Amendment 1. HDR will rely on construction schedules prepared by the construction contractors for construction phase services.

Task 1.2 Monthly Progress Meetings and Coordination

The HDR project manager and team members will meet with the Authority staff, the Authority Board, and project stakeholders to keep them informed of the project status and discuss upcoming activities and deliverables; details of planned meetings are presented below. HDR will prepare meeting agendas and meeting summaries for HDR-led meetings to document key discussions and track progress. This task does not include construction phase meetings, which will be covered under individual tasks for those specific efforts.

In addition to ongoing, routine coordination calls between HDR and the Authority, HDR will lead the following meetings associated with this task:

- Monthly Progress Meetings – up to 9.
- Design-Phase CMAR Coordination – in addition to workshops described below, HDR will participate in monthly calls with the Authority and their CMAR to coordinate between design, construction, operations, and permitting. It is anticipated these calls will be less than an hour in length and occur no more frequently than monthly. This coordination will likely occur in conjunction with Monthly Progress Meetings.

HDR will participate in the following meetings to be led by others:

- Professional Staff (Members/Customers) Meetings – HDR will participate in, and may present at, meetings held between the Authority and Customer staff (up to 1 meeting, as requested).
- Board Meetings – HDR may prepare and deliver presentations to the Board on such topics as project progress or design and permitting advancement (up to 1 meeting, as requested).

All meetings and workshops are planned to be held at the Peace River Facility, with an option for remote participation as needed.

Authority and stakeholder review comments on initial drafts of work products will be discussed during Monthly Progress Meetings rather than scheduling separate comment resolution meetings.

Task 1 Deliverables - Deliverables for Task 1 include (deliverables will be in Portable Document Format (PDF) unless noted):

- Progress report, schedule update and invoice – monthly (up to 9)
- Detailed Final Design and Permitting Schedule – developed in MS Project
- Monthly Progress Meeting agenda, materials, summary notes and decision log updates – monthly (up to 9)

- Authority Customer Staff Meeting presentation materials – as needed (up to 1)
- Board Meeting presentation materials – as needed (up to 1)

Task 1 Schedule – Schedule for Task 1:

- This Task will run the duration of the Construction Phase, starting with NTP, through completion of this Work Order.
- Monthly Progress Meetings will begin a month after NTP and will be scheduled as a reoccurring appointment each month with schedule adjustments as needed to accommodate availability of participants up to 9 months.
- Presentations to Staff or Board Meetings will occur as needed and at the request of the Authority, up to a total of 2 meetings.

TASK 2 – FIELD WORK

The field work for this phase will be performed to support the construction phase and remaining design items as part of this work order. This portion of the scope of work will be paid on a time and materials not-to-exceed basis to allow for flexibility and responsiveness to field work and data collection as design progresses.

Task 2.1 Monitoring Data Collection

HDR will continue to collect temporary and permanent piezometer data developed under previous work orders. Collection will continue through construction of Reservoir No. 3 for a period not to exceed 9 months. Amendment 1, 2, **and 3** do not add additional field work effort.

Task 2.2 Surveying Allowance

Previously collected survey data will be augmented with additional data collected in this phase. A \$100,000 allowance will allow for the collection of field surveys to update the drawings as provided in Task 4. Amendment 1 adds an additional \$50,000 allowance for conducting of field surveying during Construction. Surveying data will be obtained to establish horizontal and vertical control for areas within the project footprint. Vertical project controls and survey elevations will be referenced to NGVD29. Horizontal project controls will be referenced to NAD83-2011. The coordinate system for surveys will be the Florida State Plane Coordinate System West Zone. Data will be provided in AutoCAD Civil 3D 2020 and the surveying subconsultant will provide signed survey reports in PDF.

For surveying field efforts, it is assumed that clearing will not be required. If locations requiring data collection are inaccessible, the HDR Team will coordinate with the Authority for access, clearing, or to develop alternative solutions. Surveying will be completed in phases concurrent with other field work and design development as detailed in the subsections that follow.

To support design of the open cut pipeline crossing and bypass of Kings Hwy, additional topographic and planimetric survey data is anticipated to be required during this phase to

capture areas of the project not identified during the previous design phases, such as existing drainage features, utilities, and fencing. This work will proceed on an as-needed basis in coordination with the Authority.

Task 2.2.1 Bonneted Bat Survey

Amendment 1 includes the following additional work. A roost tree survey will be required throughout forested portions of the pump station and pipeline footprint to comply with the Florida bonneted bat requirements. This roost tree survey will document trees and/or snags meeting the roosting criteria set forth by the U.S. Fish and Wildlife Service (USFWS). The survey area is approximately 6.4 acres and is anticipated to require a team of two biologists and approximately 5 days of field effort. **Amendment 3 adds 3 more days to the field effort for surveying all acres.**

Amendment 3 removes Task 2.2.2 from the scope and credits the fee back to the Contract.

~~Task 2.2.2 Gopher Tortoise Survey Permit Management~~

~~As the agent listed on the Gopher Tortoise permit, HDR's Gopher Tortoise Agent will coordinate Gopher Tortoise identification and relocation with the CMAR and Reservoir No. 3 Contractor for compliance with the permit. Coordination will include:-~~

- ~~• Review of 100% surveys prepared by the two construction contractors (up to 10 surveys)-~~
- ~~• Site visits to monitor and verify Gopher Tortoise extraction and relocation (up to 20 site visits)-~~
- ~~• Coordination with FWC-~~
- ~~• FWC Permit Submittal Review-~~

Task 2 Deliverables - Deliverables for Task 2 include (deliverables will be in PDF unless noted):

- Signed Survey Reports for topographic data – PDF, DTM, and dwg formats, as applicable
- Roost Tree Survey Results
- ~~• Gopher Tortoise Survey Review Comments to Contractors (up to 10 comments)~~

Task 2 Schedule – Schedule for Task 2:

- Topographic surveys will be performed throughout the construction phase tasks.

TASK 3 – ENVIRONMENTAL AND PERMITTING

Permits for a portion of the PR3 project have been submitted to various agencies as part of WO3. This task includes agency coordination and preparation of permit applications and

responses to Requests for Additional Information (RAI) for the SWFWMD Environmental Resource Permit (ERP), US Army Corp of Engineers (USACE) 404 permit, and for providing additional information to the USFWS for the River Intake Pump Station.

Delays in the Permitting process may result in additional effort for coordination and completion, which have not been considered in this scope. Should those delays occur, HDR will coordinate with the Authority on potential additional effort related to this scope.

As part of WO2, WO3 and WO 4, the following permitting and regulatory efforts were made:

- June 16th, 2023, a conceptual ERP application, authorizing the Uniform Mitigation Assessment Method (UMAM) scoring, was submitted to the SWFWMD.
- May 12th, 2023 a Formal Jurisdictional Determination request was additionally submitted.
- Jurisdictional verifications took place in July and August, 2023.
- To initiate and support the Section 10 consultation, a Technical Assistance request was submitted to the USFWS through their online portal on July 21, 2023.
- A construction ERP was submitted to authorize the construction of the entire project in September 2023. The September submittal included a conceptual mitigation plan which will require refinement and finalization during the RAI process.
- Final Comments on the ERP were received on: January 24, 2025. A 404 Permit for the Volume 1, 3, 4, and 5 areas was submitted on January 31, 2025.
- Final Reservoir ERP documents were submitted August 2025.
- Approved ERP Documents for Volume 1, 3, 4 and 5 were received on February 9, 2026.
- Volume 3E ERP permit approval documents were received on March 3, 2026.

Task 3.1 Meetings

HDR will participate in Permitting Meetings to be held every other week (through December 2025) to discuss the ongoing permitting process and responses to RAI comments with Authority and permitting staff for the River Pump Station permit. Amendment 1 will include an additional 12-months of permitting meetings, for a total of 24 meetings. It is assumed each meeting will not exceed 1 hour and include up to 3 HDR staff.

Task 3.2 Additional Regulatory Coordination and Permitting

The permitting approach has been coordinated with the Authority and with regulators through pre-application meetings. However, due to the size, complexity, and nature of the project, additional RAIs, changes in the permitting approach and/or applications to be filed with additional agencies, such as DeSoto County for building and development permits, may be

required. Additionally, this subtask will include payment for permitting application fees and closeout of permits received. To allow the HDR Team to continue to advance the project, a time and materials budget to be used with the Authority's approval is proposed for additional permitting and regulatory coordination efforts.

Under Amendment 3, the following work is added: The creation of Volume 3E as a stand alone drawing set created the need for a separate ERP package. The HDR team developed and submitted the necessary documents for an ERP to cover the work associated with Volume 3E. This task covers one RAI, and the necessary changes to the permitting application.

Amendment 3 adds Task 3.3.

Task 3.3 Volume 2 – River Pump Station Permitting

Construction of the river intake pump station and associated conveyance pipeline will require a state ERP authorization, a USACE 404 permit, Gopher Tortoise Permitting, and potentially a FDEP Sovereign Submerged Lands proprietary authorization. As part of this work, HDR will develop a combined permitting and design schedule for review by the Authority.

SWFWMD ERP

HDR will develop, prepare, and submit the SWFWMD ERP application for the Volume 2 – River Intake Pump Station design. The existing ERP for the PR3 project or existing ERP on the Plant facility site will be modified. To support development of the permit application, HDR will review the existing wetland delineations and species surveys to determine what information needs to be supplemented with field services. Additional wetland delineation and species surveys will be performed on site not to exceed 2 days with two biologists. This work will also support the draft open cut pipeline design bypass road concepts for Kings Highway with respect to wetland and species impacts relevant to the ERP application. The SWFWMD application will include responses for up to two (2) formal RAIs.

USACE 404 Permit

HDR will develop, prepare, and submit the USACE 404 permit application for the Volume 2 – River Intake Pump Station design. To support development of the permit application, HDR will review the existing wetland delineations and species surveys to determine what information needs to be supplemented with field services. It is assumed that the delineated wetlands for the SWFWMD ERP will be assumed jurisdictional for the USACE 404 permit application. Species impacts will be evaluated for the Bonneted Bat, Osprey, Bald Eagle, and wading birds, along with coordination with United States Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS). Additional species surveys to support this effort will be performed in conjunction with those to support the SWFWMD

ERP.

The USACE 404 application will include responses for up to two (2) formal RAIs which may include RAI's from USFWS and NMFS..

Gopher Tortoise Permitting

HDR will perform a Gopher Tortoise survey to support modification of the existing Gopher Tortoise permit in the area of the Volume 2 project area to facilitate the ERP and FWC permitting requirements. HDR will provide supporting information to the CMAR contractor's Gopher Tortoise Agent for modification of the existing permit. This support will include two biologists and 1 day of field effort, survey results, and a phasing plan for the new construction work.

FDEP Sovereign Submerged Lands Permit

It is expected that a sovereign submerged lands authorization may be necessary for construction of the Volume 2 – River Intake Pump Station. HDR will provide support to the Authority and Authority's Consultant's, who will be responsible for application and acquisition of the authorization. This support will be limited to up to three (3) coordination meetings and supply of the design documents.

Task 3 Deliverables - Deliverables for Task 3 include (deliverables will be in PDF unless noted):

- RAI Responses for the 404 Clean Water Act permit for the PR3 Project (up to 2 responses)
- DeSoto County Permit Applications (up to 1 submission)
- Volume 2 – ERP Application
- Volume 2 – ERP RAIs (up to 2 formal, 1 informal)
- Volume 2 – 404 Application
- Volume 2 – 404 RAIs (up to 2)
- Volume 2 – Gopher Tortoise Survey and permit
- Volume 3E – ERP Application
- Environmental/Biological Report

Task 3 Schedule – Schedule for Task 3:

- Permitting efforts will be performed throughout the ongoing design tasks.

TASK 4 - Final, Ready to Advertise (RTA), and Issued for Construction Design Updates

Task 4.1 – Volume 1 and Volume 5 RTA Updates

The current design for Volume 1 (Reservoir No. 3) and Volume 5 (Wetland Restoration) are currently at 100%. To allow for the wetland mitigation to be performed within the Reserve property as On-Site Permittee Responsible Mitigation (OPRM), the team's design for wetland restoration drawings required more effort than initially anticipated during develop of the previous work order. This has resulted in more coordination and comments from the permitting agency, however effort allowed for significant cost savings by not having to purchase mitigation bank credits. HDR will incorporate additional comments from SWFWMD and USACE to revise the Volume 5 drawings and prepare them for advertisement with the Volume 1 set of drawings as one project.

The Authority has hired an independent technical reviewer (ITR) to perform a final review of HDR's 100% design of the Reservoir No. 3 set of drawings and specifications (Volume 1). HDR will review, respond to, and incorporate the ITR review comments into the drawings and specifications for Volume 1.

The Volume 1 and Volume 5 construction documents will be issued for advertisement as a signed and sealed RTA set.

Task 4.2 – Volume 3 and Volume 4 Final Updates and Issued for Construction (IFC) Package

The Reservoir Pump Station (Volume 3) and Conveyance Pipeline design (Volume 4) will continue to 100% and Corrected Final Design. This includes incorporating remaining input from the Authority's CMAR contractor and completion of early works packages including the conveyance pipeline owner direct purchase items and long lead time electrical equipment. New work items such as the Generator and Transformer site plan near the Dewatering Facility will be designed, which will require structural, architectural, civil, HVAC, and geotechnical design development.

HDR will submit the 100% and signed and sealed Corrected Final Design/IFC for the Volume 3 and Volume 4 construction documents.

Under Amendment 3, the following work is added: HDR's design for Volume 3 originally included a standby generator and associated equipment. During coordination with the Plant Expansion Project it was determined the existing switchgear needed to be upgraded, in addition to adding the new standby power generators. Due to long lead times of the electrical equipment, the switchgear and standby generator equipment were moved into an Early Works Package. The design involved coordinating the equipment and switchgear building locations congruently with the sludge blending tank being design under the Plant Expansion Project. To expedite the design of the plant standby power system and switchgear building, HDR separated this work into a Volume 3E which included a set of design drawings and an addendum to the technical specifications book.

Volume 3E required three additional in-person design review meetings. These meetings were necessary to understand the existing electrical components, coordinate with the Hazen/Wharton Smith team and the Authority, and to develop an approach that is constructible and meets both construction project needs. During the design phase of Volume 3E, the Authority requested additional modifications to the original design layout and material specifications, which resulted in rework to the design package.

Volume 4 required additional effort for post 100% design to relocate and change the type of flushing hydrants.

Task 4.3 Volume 2 River Intake Pump Station Final Design and IFC

The Volume 2 Design Package will be revised following comments from the permitting agencies. This task will also include conceptual design alternatives for the open cut of Kings Highway, and if elected by the Authority, final design of the selected alternative for the crossing and bypass, as described below. The Volume 2 – River Intake Pump Station updated design package will be prepared as a draft Final set of documents. After Authority review, the draft Final will be updated to 100% Final **followed by issued for construction (IFC)** documents after CMAR comments are incorporated. It is assumed the CMAR comments will be received within 2 weeks of delivery and only be provided to HDR in one transmittal.

Task 4.3.1 Draft Open Cut Kings Highway Conceptual Alternatives Design

A portion of the conveyance pipelines connecting various features of work were moved from the Volume 4 (Conveyance Pipelines) set of construction documents to Volume 2 (River Intake Pump Station) due to the similarity of wetland permitting with the River Intake Pump Station. During the previous design phase, the conveyance pipeline crossings of Kings Highway were designed as microtunnels. However, discussions with the Authority's CMAR contractor and the Authority has led to an opportunity for an open cut option across Kings Highway which may reduce construction costs and shorten the construction schedule.

HDR will coordinate with the Authority's CMAR contractor to develop two conceptual alternatives for an open cut crossing and bypass road for Kings Highway for the 84-inch pipeline from the new River Intake Pump Station to Reservoir No. 3. Specifically, HDR will prepare and provide the following:

- An initial workshop will be held with the Authority and the CMAR contractor to review existing conceptual layouts developed in previous phases of design to develop the basis for the two alternatives as part of this task.
- Develop two initial alternatives to a 15% level for bypassing traffic on Kings Hwy to allow for open cut of the existing roadway to facilitate installation of the pipelines. Alternatives will include coordination with FP&L, DeSoto County, and other utility owners, as necessary, to determine existence of utility conflicts and

potential mitigation strategies. Potential easement limits, temporary drainage requirements, and speed reductions to accommodate the two alternatives will also be evaluated. Consultant will review the CMAR prepared cost estimate.

- Consultant will provide these alternatives to the Authority, who will provide them to their CMAR Contractor for review and cost estimating.
- After the Authority's CMAR Contractor provides cost estimates and constructability review comments for the two initial alternatives for each crossing, a workshop will be held to evaluate the developed alternatives, their estimated costs, schedule for design and construction, constructability, impact to the public, and other risks. After this workshop, Authority will bring select the preferred alternative to bring to the Authority Board for final approval, which is inclusive of any CMAR developed alternatives or the original microtunneling approach.

Task 4.3.2 Final Open Cut Kings Hwy Design (Alternative Scope Item) (Allowance)

If one of the two alternatives for the open cut and bypass of Kings Hwy are selected, the Consultant will advance the design through the 90%, 100%, and IFC design phases with design deliverables at each milestone.

This subtask will only be performed with written approval from the Authority.

HDR will work proactively with the CMAR during the design phase to incorporate constructability concerns and feedback iteratively. It is assumed the CMAR comments will be received within 2 weeks of delivery at each milestone and only be provided to HDR in one transmittal.

Drawings and Specifications will be updated at each milestone (90%, 100%, and IFC) to incorporate the selected alternative into the construction documents. It is assumed that the maximum number of sheets for the Kings Hwy Bypass Road and Pipeline crossing will not exceed 15 additional sheets in the Volume 2 set. It is also assumed that no more than 4 additional specification sections will be added (in addition to the standard FDOT specifications). At each milestone, HDR will review the CMAR development cost estimate for the design.

HDR will coordinate with DeSoto County for approval of the selected alternative, speed reductions, phasing, and drainage requirements. Based on recent discussions with DeSoto County on other elements of the project, a traffic count study may be necessary to obtain approval of the plan. Additional survey of the crossing and bypass area along with temporary drainage design will be required.

Consultant will coordinate with FP&L and other utility owners, including the Authority, throughout design to accommodate utility relocation and protections.

Work by others to complete the design and construction include:

- Authority's CMAR Contractor
 - **Companion cost estimating of the preferred design**
 - Development of Maintenance of Traffic (MOT) Plan
 - Constructability reviews
- Authority
 - Alternatives and Design reviews
 - **Cost and coordination of required easements**

Task 4.4 Workshops and Meetings

The HDR Team will conduct internal bi-weekly progress meetings for coordination between task leads, schedule and progress updates, and early identification of issues to resolve or bring to the Authority's attention for input and resolution. Internal bi-weekly meetings will be conducted during the Final, RTA, and IFC design updates, which is estimated to occur over a period of 8 months. A total of sixteen (16) bi-weekly progress meetings are budgeted.

As part of updating the design for the River Intake Pump Station (Volume 2), HDR will participate in the below workshops:

- Volume 2 Final Workshop – These workshops will focus on potential permit related changes or other unforeseen requested changes in the design. These workshops are anticipated to be held through a series of two (2) half-day sessions (may be scheduled sequentially) and may include the following design disciplines; civil site, electrical, instrumentation and controls, pump stations, structural, and conveyance pipelines. Attendees to this workshop are HDR Team staff, Authority staff, and other project stakeholders including the CMAR.
- Kings Highway Crossing Workshop – This workshop will be held with the Authority to discuss the options and preferences for crossing Kings Highway with the intake pipeline. The workshop is intended to be a full-day in-person workshop. Attendees to this workshop are HDR Team staff, Authority staff, and other project stakeholders including the CMAR.
- Turn Pocket Workshop - This workshop will be held with the Authority to discuss the options and preferences for a new turn pocket on Kings Highway to improve traffic access and crossing conditions of Kings Highway. The workshop is intended to be a full-day in-person workshop. Attendees to this workshop are HDR Team staff, Authority staff, and other project stakeholders including the CMAR.

Task 4 Deliverables - Deliverables for Task 4 include (deliverables will be in PDF unless noted):

- Volume 1 and Volume 5 RTA
- Volume 3 and Volume 4 100% and RTA
- Volume 2 RTA

- **Draft Kings Highway Open Cut and Bypass Conceptual Alternatives**
- **90% Kings Highway Open Cut and Bypass Design (If approved by Authority)**
- **100% Kings Highway Open Cut and Bypass Design (If approved by Authority)**
- **IFC Kings Highway Open Cut and Bypass Design (If approved by Authority)**
- **Workshop agenda, materials, summary notes – as needed (up to 4)**

Task 4 Schedule – Schedule for Task 4:

- Volume 2 RTA – **September 2027**
- **Draft Kings Highway Open Cut and Bypass Design – October 2026**
- **Final Kings Highway Open Cut and Bypass Design – September 2027 (If approved by Authority)**
- Workshops will be scheduled between design deliverable milestones as necessary.

TASK 5 CMAR Contract (Package 2) Engineering During Construction (EDC) Services

This task will include the construction phase services specific to the Reservoir Pump Station and Conveyance Pipelines, as included in the Volume 3 and Volume 4 set of construction documents. These features will be constructed by the Authority's CMAR contractor.

Amendment 1 adds additional quantities of existing scope items to this task. HDR as the engineer of record (EOR) will perform the following roles:

- Engineer of Record
 - This will consist of the various EORs or their delegates who will perform reviews of shop drawings, submittals, requests for information (RFIs), value engineering (VE) proposals, change orders, or other CMAR or Authority-generated items needing review to verify conformance with construction documents.
- Document Control Specialist
 - The document control specialist is responsible for providing administrative document control and records management support to the project team.

The Authority will fill other construction phase roles for this portion of the PR3 Project including, construction manager (CM), resident engineer (RE), construction inspector, and others as necessary.

Additional support for CM can be provided with use of the Owners Allowance.

Task 5.1 Guaranteed Maximum Price (GMP) Review and Recommendations

HDR will support the Authority in its review of the CMAR's GMP proposals (up to 3), focusing on alignment with the design basis, design scope, and supporting documentation. To support development of an appropriate GMP, review comments will be provided to the Authority based on the design deliverables. The expected GMPs are:

- Package 2A – Reservoir Pump Station Channel Intake and Electrical Early Works Package
- Package 2B – Volume 3 Reservoir Pump Station Construction
- Package 2C – Volume 4 Conveyance Pipeline Construction
- **Package 2D – Volume 2 River Intake Pump Station**

Task 5.2 Project Controls

HDR will provide a document controls specialist to provide administrative document control and records management support during construction. Amendment 1 extends this task an additional 30-months, through June 2028. Specific duties will include:

- Filing project electronic and hard copy files
- Receive and send electronic and hard copy correspondence
- Coordinate and monitor the project management information system

It is assumed that the project controls staff member will have 25% engagement for the project duration.

Task 5.3 Submittal and RFI Reviews

HDR will review submittals, as requested by the CM, for conformance with the contract documents. Submittal review responses will include a recommended submittal response code in accordance with the contract documents. Amendment 1 includes an additional 600 submittals, and 100 RFIs to this task, for a total of 850 submittals and 150 RFIs.

Task 5.4 Engineering Input and Recommendations

HDR may be needed to provide engineering advice related to design, plans, specifications, change orders, value engineering assessments, start-up, commissioning, testing, or other items not directly related to submittals or RFIs and as requested by the Authority. This subtask includes miscellaneous engineering time to assist the Authority during construction and may also include time for design work products such as drawings, figures, tables, specifications, or sketches. Amendment 1 includes additional Engineering Input to this task.

Task 5.5 Meetings and Site Visits

HDR will participate in regular and special meetings as requested by the Authority. It is assumed 20 meetings will be necessary for this subtask. HDR will provide up to three team members at each meeting. These meetings may be virtual or in person and are expected to be up to one hour long. It is expected that regular meetings during the construction phase will be hosted by either the Construction Contractor or the CM who will be responsible for drafting meeting minutes or notes. HDR will review draft meeting minutes and provide comments on the meeting notes. Amendment 1 adds 80 additional meetings to this task, for a total of 100.

HDR will also perform site visits to review in process work or for other related construction observation purposes. Site visits will be performed by up to two team members. After each site visit, HDR will prepare a site visit report to be delivered to the CM. Amendment 1 adds an additional 30 site visits to this task, for a total of 40.

HDR will lead up to 30 Monthly Progress Meetings.

HDR will participate in the following meetings to be led by others:

- Professional Staff (Members/Customers) Meetings – HDR will participate in, and may present at, meetings held between the Authority and Customer staff (up to 2 meetings, as requested).
- Board Meetings – HDR may prepare and deliver presentations to the Board on such topics as project progress or design and permitting advancement (up to 2 meetings, as requested).

Task 5.6 Record Drawings and Project Certification

The HDR Team will prepare final Record Drawings based on Construction Contractor as-built documents after final completion of the construction for Packages 2A, 2B, and 2C as defined above. Project Certification for the ERP permit and FDEP PWS clearance will be prepared and submitted to the Authority and permitting agency after Record Drawings or permit specific actions are completed.

Task 5 Deliverables - Deliverables for Task 5 include (deliverables will be in PDF unless noted):

- GMP Review notes and comments for Packages 2A, 2B, 2C, and **2D** (up to **34**)
- Additional 600 Submittal Review Responses for Package 2A, 2B, 2C for a contract total of 850 submittals.
- Additional 100 RFI Review Responses for Package 2A 2B, 2C, for a contract total of 150 RFIs.
- Additional Engineering and Input Recommendations deliverables (Up to 800 hours)
- Additional 80 Meeting notes reviews (up to 100)
- Site Visit Reports for Package 2A, 2B, and 2C (up to 40)
- Volume 3 and 4 Record Drawings
- Volume 3 and 4 Project Certification
- Progress Meeting notes (up to 30)
- Presentations to Staff or Board Meetings will occur as needed and at the request of the Authority, up to a total of 4 meetings.

Task 5 Schedule – Schedule for Task 5:

- The Package 2A GMP is anticipated in April 2025
- The Package 2B GMP is anticipated in October 2025
- The Package 2C GMP is anticipated in October 2025
- Package 2A is expected to run through the end of December 2025.

TASK 6 - Reservoir No. 3 (Package 1) Construction Management Services

Task 6.1 Contractor Prequalification

Prior to the solicitation of bids for the Volume 1 Reservoir No. 3 construction package (Package 1), the Authority will prepare and release a request for qualifications (RFQ) seeking construction firms that can demonstrate appropriate qualifications for construction of the Reservoir and its appurtenant structures. HDR will assist the Authority in writing the prequalification RFQ, reviewing the statements of qualifications (SOQs) from responsive firms, and providing recommendations on firms that meet the minimum qualifications set forth in the RFQ.

Task 6.2 Reservoir Construction Procurement and Bid Phase (Preconstruction)

The Reservoir No. 3 Construction project will include Volume 1 (Reservoir No. 3) and Volume 5 (Wetland Restoration) designs and will be solicited as a stand-alone construction contract. HDR will support the Authority in the advertisement of the Construction Contract by preparing sections of the request for bid (RFB) as requested by the Authority. Hard copy bid documents will be provided to the Authority (4 copies). HDR will support the Authority during the pre-bid meeting, including providing a PowerPoint presentation and bid submission requirements.

During the bid phase, the HDR Team will review and provide responses to bidder questions and provide up to two addendum packages including updated plans and specifications. Addendum plans and specifications will be noted as such with clouds and tracked changes.

HDR will attend the bid-opening and prepare the bid tabulation sheets. HDR will review bid forms against the HDR OPCC and provide Authority with recommendations related to expected costs to assist the Authority in award of the work.

HDR will develop conformed set of documents that incorporates addenda during the bid phase and distribute electronic and hard copies to Authority.

Amendment 2 adds Task 6.3, 6.4 and 6.5.

Task 6.3 Package 1 Construction Administration Services

Within this task, effort is included up to substantial completion as listed in the contract documents, which is December 2028. When the task budgets reach 50% spent, the team will coordinate with the Authority to modify the task budgets as necessary to complete the construction phase services.

Coordinate and Administer Project. A budget is established for an HDR Construction Manager and Document Controls Specialist to coordinate and administer the project for 36 months.

Package 1 Construction Manager. Provide one full-time Construction Manager (CM) for 36-months. CM will provide contract management support which will include:

- Planning, coordinating, budgeting construction supervision from start to completion
- Coordinating with design team, contractor, and Authority on construction progress, change requests, and other items as necessary during the construction phase
- Developing, monitoring, and executing constructability/biddability reviews, construction schedule, schedule impact analysis, contract change/work order, project risk analysis, NOI/claims analysis and coordination, project records and contract administration
- Managing preparation of cost estimates, budgets and work timetables, in conjunction with other specialists
- Supervision of construction activities
- Communicating contract requirements and technical information to other professionals
- Monitoring project and reporting progress and budget matters to the Authority
- Responding to work delays, emergencies and other problems with the project.
- Verifying that the project complies with legal requirements such as safety codes
- Reviewing and approving pay requests, change orders, and budget adjustments
- Maintaining accurate project documentation and records
- Conducting regular site inspections and progress reviews
- Managing QA testing schedule and sub consultants.
- HDR will review monthly Contractor pay requests during the 42-month duration of construction.
- Prepare and submit monthly progress reports to the Authority
- Hosting meetings, as necessary, during the construction period with the Authority, Contractor, QA team, and design team staff
- Performing other duties as needed

Package 1 Project Controls Administrator. Provide one full-time construction document manager for 36-months. Project Controls Administrator will assist the construction manager and support construction documentation by:

- Organizing and filing submittals, RFIs, change orders and other construction related documentation
- Managing project information, including hard-copy and electronic files
- Coordinate information flow between project participants, including subconsultants, and if appropriate, between design team, Contractor, and Authority
- Attending project meetings and preparation of detailed minutes of meetings
- Developing presentations based on input from project team members
- Developing and tracking project schedules for meetings and deliverables
- Monitoring, updating, and reviewing financial data, as necessary
- Preparing drafts of monthly progress reports
- Using processes and tools established on projects
- Preparing various reports, as necessary
- Assisting in pay request review
- Performing other duties as needed

Task 6.4 Package 1 Field Engineering and Inspection Services

Package 1 Full-Time Onsite Geotech Resident Engineer. Provide one full-time geotechnical Resident Engineer (RE) for 36-months. RE will provide the following services:

- Observe construction progress and develop weekly reports for updates to Engineers of Record.
- Read and interpret construction drawings and specifications, and identify discrepancies or conflicts within the construction documents
- Maintain accurate daily records of the contractor's daily activities and the work performed, and of the labor, equipment and materials used
- Review construction materials for Contract compliance based on contractor submittals and test results
- Track unit pay quantities and review pay estimates for acceptance
- Attend construction progress meetings

- Conduct observations of the installation and acceptance testing of completed equipment and systems
- Identify nonconforming work, develop project punchlists and maintain until corrected
- Develop record documentation based on contractor as-builts for engineer review/acceptance
- Assist with project audit/closeout
- Work under general supervision of a Design Project Manager
- Supervise and direct the activities of Construction Inspectors, testing services and subconsultants

Package 1 Construction Inspector. Provide two full-time construction inspectors for 36-months to provide field observation and documentation of construction activities. Inspectors will observe, document, and monitor the installation of structural, rebar, earthwork QA, instrumentation installation, stormwater management system, erosion and sediment control systems, and other systems for compliance with the contract documents. Inspectors will prepare daily inspection reports and submit to the CM.

Package 1 Materials Testing and Surveying (QA). On-site soil testing laboratory and equipment will be provided by the contractor for performance of Quality Assurance testing on the soils and other geotechnical materials for the reservoir. Provide one full-time laboratory technician for 36 months during the construction of the reservoir to perform laboratory tests, maintain the laboratory, and generate laboratory reports. At times an additional on-site technician will be required to support the QA process. This item also includes materials testing for other construction materials such as concrete, soil cement bentonite, and others as required by the contract documents, but not capable of being performed in the contractor provided laboratory.

Surveying will include up to 180 days of survey for quality assurance. Surveys will be performed in accordance with the requirements provided in Task 2.2.

Package 1 Record Drawings and Project Certification. Prepare final Record Drawings at the completion of the construction. Record drawings will incorporate the contractors as-built documents into the project drawings using the design CAD drawings as a base. A project certification will be prepared and submitted to the Authority.

Task 6.5 Package 1 Engineering During Construction

Submittal and RFI Reviews – HDR will review submittals for conformance with the contract documents. Submittal review responses will include a recommended submittal response code in accordance with the contract documents. HDR will also review and provide responses to RFIs submitted by the contractor.

Engineering Input and Recommendations – HDR may be needed to provide engineering advice related to design, plans, specifications, change orders, value engineering assessments, start-up, testing, or other items not directly related to submittals or RFIs and as requested by the Authority or in the course of construction. This subtask includes miscellaneous engineering time to assist the project team during construction and may also include time for design work products such as drawings, figures, tables, specifications, or sketches.

Meetings and Site Visits – HDR will participate in regular and special meetings as requested by the Authority. It is assumed bi-weekly meetings will occur during construction. HDR will provide up to three team members at each meeting. These meetings may be virtual or in person and are expected to be up to one hour long. It is expected that regular meetings during the construction phase will be hosted by either the Construction Contractor or the HDR CM who will be responsible for drafting meeting minutes or notes.

HDR will also perform engineer of record site visits to review in-process work or for other related construction observation purposes. Site visits by the engineering team will be performed by up to two team members for up to two days, not including travel. Up to 25 site visits are included. After each site visit, HDR will prepare a site visit report to be delivered to the CM.

Task 6 Deliverables - Deliverables for Task 6 include (deliverables will be submitted in PDF unless noted otherwise):

- Package 1 Final Record Drawings and certification
- Package 1 Engineering Input and Recommendations (up to 1,500 hours)
- Package 1 Submittal Responses (up to 2,900)
- Package 1 RFI Responses (up to 300)
- Site visit reports
- Daily inspection reports, Weekly RE reports, Daily CM reports
- Laboratory reports
- QA Survey Results
- Package 1 Contractor Prequalification RFQ Notes
- Package 1 Contractor Prequalification SOQ Review Notes (Up to 4)
- Package 1 Bidder Question Reviews and Responses (Up to 100)
- Package 1 Amendments (Up to 20 plan sheets and 20 specifications)
- Package 1 Bid Review Notes and Tabulation (Up to 4)
- Package 1 Conformed Electronic and Hard Copy Documents (Up to 2 Sets)

Task 6 Schedule – Schedule for Task 6:

- Package 1 Prequalification RFQ Package – June 2025
- Package 1 Bid Package – August 2025
- Package 1 Bid Tabulation – October 2025
- Package 1 Bid Recommendation – November 2025
- Package 1 Conformed Set Documents – December 2025

TASK 7 – Emergency Action Plan and Operations and Maintenance Manual

Task 7.1 – Emergency Action Plan (EAP)

An emergency action plan (EAP) will be developed to document incidents that can lead to potential emergency conditions at a dam, areas that can be affected by the damage of the reservoir, and specific pre-planned actions that can be followed to reduce the potential of property damage, potential loss of infrastructure, resources and life. The emergency action plan will be submitted as a draft to the Authority for preliminary review and comment.

Authority comments will be incorporated into a final EAP.

Task 7.2 – Operations and Maintenance Manual

An operations and maintenance O&M Manual will be drafted to document the recommended operational limits and procedures for the Reservoir No. 3 facility and project features, including maximum reservoir draw down, spillway gate operations, pump stations, valve operations, and other relevant considerations. Recommended maintenance procedures and frequency of maintenance activities will be provided. The O&M Manual will anticipate inclusion of future O&M manuals for construction contractor procured and installed materials and equipment.

Task 7 Deliverables - Deliverables for Task 7 include (deliverables will be submitted in PDF unless noted):

- Draft EAP
- Final EAP
- Draft O&M Manual
- Final O&M Manual

Task 7 Schedule – Schedule for Task 7:

- Draft EAP will be completed during construction of Reservoir No. 3. Date to be coordinated with the Authority and Regulatory Agencies.
- Final EAP will be completed during construction of Reservoir No. 3. Date to be coordinated with the Authority and Regulatory Agencies.

- Draft O&M Manual will be completed during construction of the PR3 project. Date to be coordinated with the Authority and Regulatory Agencies.

TASK 8 – Owner’s Allowance

An Owner’s Allowance of \$350,000 is included in this Scope of Work to allow for currently unidentified efforts associated with this phase of the PR3 Project to be added on an as-needed basis. This allowance will not be utilized by HDR without written direction from the Authority following an agreed scope and fee for the work to be included under the allowance.

Amendment 1 added an additional \$100,000 allowance. Amendment 2 adds an additional \$150,000 allowance for HDR and \$120,000 for environmental subconsultants. **Amendment 3 adds \$468,447.77 to the owners allowance for the Final Open Cut Kings Hwy Design (Alternative Scope Item) (Allowance).**

TASK 9 – Construction Phase Direct Costs

Construction Phase Direct Costs include construction vehicles, travel expenses, and other non-labor items required to support the construction phase services in Task 6. These will be tracked under a separate task and provided with receipt backup.

4 Authority Responsibilities

This Phase requires close coordination with Authority staff, with regular and frequent meetings and discussions to successfully prepare deliverables associated with this Phase. The Authority staff will participate in workshops and meetings and will review work products and promptly provide comments, as needed.

5 Schedule

The Scope of Services for the Construction Phase is assumed to be delivered over the course of **57 months** after being given a written NTP. A summary schedule and a detailed project schedule with the planned dates for distribution of deliverables will be developed early in the initiation of this scope of work. Amendment 1 adds 30 months to this Work Order. Amendment 2 adds 18 months to this contract. **Amendment 3 does not impact overall contract schedule.**

6 Assumptions

1. The Authority and stakeholders will provide timely review and input of requests and deliverables.
2. HDR will coordinate with the Authority’s CMAR, Owner’s Rep and other partners as requested by the Authority and with the Authority’s participation.
3. HDR Engineering, Inc.’s (HDR) observation or monitoring portions of the work performed under construction contracts shall not relieve construction contractor(s) from

responsibility for performing work in accordance with applicable contract documents. HDR shall not control or have charge of, and shall not be responsible for, construction means, methods, techniques, sequences, procedures of construction, health or safety programs or precautions connected with the work and shall not manage, supervise, control or have charge of construction. HDR shall not be responsible for the acts or omissions of construction contractor(s) or other parties on the project.

4. The RAI effort and coordination with the agencies for permitting will include up to 2 RAI cycles.
5. The Authority's CMAR will develop cost estimates for the pumping and conveyance features of the project as part of their work.
6. For all surveying field efforts, it is assumed that clearing will not be required. If clearing is required, additional coordination with the Authority will need to occur.
7. The Draft EAP and Draft O&M Manual will be completed after the construction documents are ready for bidding and/or construction. These two documents will not be finalized until construction is complete.
8. Services considered for this Work Order are for an expected 40-hour work week, and do not include costs for overtime work.
- ~~9. Volume 2 ERP and 404 Permitting efforts will be included in future amendments.~~
- 10. Construction services from Substantial Completion through Final completion for the reservoir construction will be included in a future amendment.**
- 11. Construction inspection services for Package 2 will be covered by the Authority.**
- 12. The billing rates for the T&M tasks will be adjusted for escalation annually by 4%. Rates, shown in Exhibit B, will be sent to Authority for review before use.**

7 Fee

The Authority agrees to compensate HDR for this scope of services on a Lump Sum and Time and Materials (T&M) basis as shown on the Fee Schedule in Exhibit A and the Fee Summary Table below. The compensation for all tasks, except Task 2, Task 5, and Task 6 will be on a Lump Sum basis. Task 2, Task 5, and Task 6 will be paid on a Time and Materials not-to-exceed basis and is based on rates in the master contract for the PR3 Project and actual costs incurred by our subconsultants.

EXHIBIT A – FEE SCHEDULE

Fee Summary Table – Compensation by Task

Description	Fee	Amendment 1	Amendment 2	Amendment 3	Revised Contract Total	Compensation
Task 1 – Project Management, Communication, and Coordination	\$274,255.00	\$712,749.00	\$164,691.34	\$46,445.63	\$1,198,140.97	Lump Sum
Task 2 – Field Work	\$139,010.00	\$75,855.00		(\$43,931.81)	\$170,933.19	T&M
Task 3 – Environmental and Permitting	\$179,650.00	-	-	\$602,457.41	\$782,107.41	Lump Sum
Task 4 – Final, RTA, and IFC Design Updates	\$1,444,978.00	-		\$333,769.65	\$1,778,747.65	Lump Sum
Task 5 – CMAR Contract (Package 2) Engineering During Construction Services	\$785,274.00	\$2,013,177.00			\$2,798,451.00	T&M
Task 6 – Reservoir No. 3 (Package 1) Construction Management Services	\$336,934.00	-	\$17,136,696.30		\$17,473,630.30	T&M
Task 7 – Emergency Action Plan (EAP) and Operations and Maintenance (O&M) Manual	\$195,208.00	-			\$195,208.00	Lump Sum
Task 8 – Owners Allowance – Environmental	\$250,000.00	\$100,000.00	\$270,000.00	\$468,447.77	\$1,088,447.77	N/A
Task 9 – Construction Phase Direct Costs			\$1,335,141.71		\$1,335,141.71	T&M
TOTAL:	\$3,605,309.00	\$2,901,780	\$18,906,529.35	\$1,407,188.65	\$26,820,808.00	

Work Order No. 4 - Engineering During Construction

AMENDMENT 3

RFP Para. No.	Task Description	HDR	ODCs	Hazen	Hyatt (Survey)	H2R (Geotech QA)	Other Subs	Amendment 2 TOTAL
T1	Project Management and Progress Reporting (LS)	\$46,445.63						\$46,445.63
T2	Field Work (T&M)	(\$43,931.81)						(\$43,931.81)
T3	Environmental and Permitting (LS)	\$533,157.41		\$69,300.00				\$602,457.41
T4	Final Design Updates (LS)	\$333,769.65						\$333,769.65
T5	CMAR Contract (Package 2) EDC Services (T&M)							
T6	Reservoir No. 3 (Package 1) CPS (T&M)							
T7	EAP and O&M Manual (LS)							
T8	Owner's Allowance	\$ 468,447.77						\$468,447.77
T9	Construction Phase Direct Costs							
		\$1,337,888.65		\$69,300.00				\$1,407,188.65

EXHIBIT B – 2026 RATE SCHEDULE

Billing Rates	
	2026*
Sr. Project Manager	\$301.60
Professional Technical Expert	\$312.00
Engineer V	301.60
Engineer IV	\$275.60
Engineer III	\$244.40
Engineer II	\$208.00
Engineer I	\$182.00
Senior Designer/CAD	\$156.00
Designer/CAD	\$124.80
Sr Environmental Scientist	\$182.00
GIS Field Tech	\$135.20
Accounting	\$119.60
Assistant Project Manager	\$249.60
Project Principal	\$312.00
Design Manager	\$265.20
Quality Control	\$296.40
Administrative Assistant	\$88.40
Sr Construction Manager	\$312.40
Resident Engineer	\$244.00
Sr Construction Inspector	\$201.20
Construction Inspector 2	\$174.00
Construction Controls and Estimation	\$182.00

*Escalated 4% annually on February 1.