

**EXHIBIT “F-3”
CONTRACT AMENDMENT**

*Article 1
Execution*

1.01 The County executes this Agreement by and through the County Judge acting pursuant to Order of the Commissioners Court of Brazoria County, Texas, so authorizing. This Agreement shall not become effective until executed by all Parties hereto.

*Article 2
Character and Extent of Services*

2.01 The Consultant shall perform its obligations under this Contract Amendment in accordance with the original Scope of Work and any additional Scope of Work within the Consultant’s proposal attached hereto as **Exhibit “F-3.”** County and Consultant may agree to amend this contract. Any further amendments to this contract will be added as **“Exhibit F-4”** (F-1, F-2, etc.).

Brazoria County, Texas

**HDR Engineering, Inc.
a Nebraska company**

By: _____

L.M. (Matt) Sebesta, Jr

County Judge

Date: _____

By: _____

Scott A. Marr

Vice President

Date: _____



March 27, 2026

Mr. Matt Hanks, JD, PE
County Engineer
Brazoria County
451 N Velasco, Suite 230
Angleton, Texas 77515

**Re: Proposal for Professional Engineering Services
Water Supply Study for the Brazoria County Detention Facility Campus
Amendment #3
Water Sampling for Brazoria County Detention Facility Water Treatment Facility**

Dear Mr. Hanks:

HDR Engineering, Inc. (HDR) is pleased to submit this proposal for professional engineering services to perform Water Sampling Services for the Brazoria County Detention Facility Water Treatment Facility. The proposal is based on our understanding of the project from discussions with Brazoria County staff. For your convenience, this proposal consists of Project Understanding, Scope of Services, Fee Summary, Schedule, Terms and Conditions, and Invoices sections.

PROJECT UNDERSTANDING

Brazoria County (the County) operates the Brazoria County Detention Facility Campus (Campus) located north of the City of Angleton (City). Currently, the Campus is supplied by groundwater from an on-site well that is owned and operated by the County. The County has met with the City of Angleton and discussed the possibility of the City providing water service to meet current and future demands at the Campus.

The City receives surface water from the Brazosport Water Authority (BWA). Due to converting from groundwater to surface water and the fact that a surface water line will need to be extended five (5) miles from the City's current distribution system to the Campus, the County has requested that HDR provide a proposal with a scope of services to perform water sampling to determine if additional improvements will be needed on-site to maintain minimum required disinfection residuals required by the Texas Commission on Environmental Quality (TCEQ). These services will include engineering investigations, physical analysis, calculations, process analysis, research of reports, and formulation and evaluation of various alternatives.

The existing groundwater treatment facilities include the following primary components:

- Groundwater well – This well contains arsenic levels that are well above the current regulatory levels of 10 parts per billion.
- Aeration Tower – Cascade aerators to oxidize arsenic into a more filterable form.
- Ground Storage Tank – 750,000 gallon concrete tank.
- Arsenic Removal System – Pressure filters and pH adjustment to lower arsenic levels. This includes sulfuric acid and ferric chloride feed systems.
- High Service Pumps – Two booster pumps to provide pressurized water to the Campus.
- Disinfection System – Chlorination system utilizing multiple 150 pound cylinders of gaseous chlorine.
- Fire Pump System – Fire pump driven by a diesel engine.
- High Service Pump Building – Concrete block building housing the high service pumps, control panels and other instruments.

hdrinc.com

4828 Loop Central Drive, Suite 700, Houston, TX 77081-2220
T (713) 622-9264 F (713) 622-9265
Texas Registered Engineering Firm F-754

SCOPE OF SERVICES

Task 1: Project Management and QA/QC

HDR will perform project management activities under this task, including coordination, scheduling, budgeting, and accounting, and will complete quality assurance/quality control (QA/QC) reviews of work products.

Task 2: Data Collection

HDR will compile and review Client-provided information relevant to the project, including prior studies, historical water quality records, and projected service demands. HDR will catalog sources, confirm data formats, identify gaps, and request missing information needed to support subsequent tasks.

TASK 2 DELIVERABLES:

- Data Needs Summary documenting information received and gaps to be filled.
- Water Quality Summary Table

TASK 2 ASSUMPTIONS:

- Client will furnish available data in electronic format (e.g., PDF, CSV/Excel) within agreed timeframes.
- Historical records are assumed to include water quality and operational data at the connection to the water supply, if available.

Task 3: Water Sampling and Analysis

HDR will conduct targeted water sampling to address data gaps identified in Task 2 and to verify current delivered water quality. Sampling locations to include connection points to existing distribution system and location adjacent to delivery point. Analyses will focus on parameters relevant to potable water regulatory standards, including disinfectant residual (chlorine or chloramine), disinfection by-products (DBPs), nitrogen species (e.g., ammonia, nitrite, nitrate; etc.), total organic carbon (TOC), alkalinity, and other relevant metrics (e.g., pH, temperature, turbidity, conductivity, hardness, chloride/sulfate, TSS and TDS). Sampling and analysis will follow standard methods.

TASK 3 DELIVERABLES:

- Sampling Plan identifying locations, frequency, sample handling, and analytical methods/MDLs.

TASK 3 ASSUMPTIONS:

- Client will facilitate site access, safety briefings, and operational coordination during sampling.
- All laboratory analyses will be performed by HDR or a certified lab; HDR will coordinate courier logistics and COC documentation. A budgetary amount will be included for costs associated with a certified lab.
- Sampling scope and frequency will be finalized with the Client to align with operations and regulatory needs.
- The scope of work includes one (1) sampling event, to be completed in a single day by two (2) HDR representatives.

Task 4: Desktop Residual Analysis

Engineer will perform a desktop analysis for calculated chlorine residual at point of delivery, Disinfection By Products (DBP) formation, and water quality characterization upon conversion to the City of Angleton supplied water. This analysis will include potential residual decay and DBP formation due to on-site retention in the ground storage tank.

This task includes model simulation of treatment parameters to initially predict and inform design criteria for further validation through testing. Additional lab work may be required on-site to determine DBP and chlorine residual decay rates. Outcomes from the desktop analysis will be used to identify and develop treatment strategies to maintain TCEQ compliant water supply.

TASK 4 DELIVERABLES:

- Tabular Summary of Preliminary Desktop Screening (PDF format e-mailed to Client’s Project Manager).

TASK 4 ASSUMPTIONS:

- The scope of work includes one (1) sampling event and laboratory testing period, to be completed in a single day by two (2) HDR representatives.
- Previous report for DBP and chlorine residual decay testing to be provided by the Client.

Task 5: Treatment Development and Analysis

HDR will identify and develop a treatment system to address scenarios where delivered water does not meet potable standards. On-site treatment will focus on chemical stabilization/disinfection improvements. Planning-level capital and O&M costs will be developed for the short-listed alternatives to support the evaluation.

HDR will prepare a Final Report that compiles the background, data collection results, sampling findings, and the evaluated system. The report will present HDR’s recommendations for the preferred path forward, including the proposed system, rationale, implementation plan (phasing and triggers), planning-level cost summary, schedule, and next steps. This report will determine the suitability of an alternative source to meet regulatory requirements, with and without the proposed system. Appendices will include Sampling Plan, data tables, laboratory reports, and supporting calculations as appropriate.

TASK 5 DELIVERABLES:

- Draft Final Report (PDF) for Client review with consolidated comments log.
- Final Report (PDF) incorporating Client comments; editable figures/tables provided as applicable.

TASK 5 ASSUMPTIONS:

- Costs developed are planning level and intended for planning purposes only. Any opinion of construction costs prepared by HDR is supplied for the general guidance of the Client only. Since HDR has no control over competitive bidding or market conditions, HDR cannot guarantee the accuracy of such opinions as compared to contract bids or actual costs to Client.
- Vendor budgetary quotes will be sought only as needed to support screening-level fidelity.
- Contractual options will be described for Client consideration only; The City or authorized legal representative will perform any negotiations and/or legal drafting of the water supply agreement with the City of Angleton.
- If more advanced treatment alternatives are necessary to meet water quality goals, such as combinations of granular activated carbon (GAC) adsorption, membrane processes (e.g., ultrafiltration, nanofiltration/reverse osmosis), or ion exchange, an amendment to the scope of services will be required to develop and evaluate these alternatives in greater detail.
- Client will provide one (1) consolidated set of comments within two (2) weeks of the Draft Final Report submittal.
- Permitting applications and final design are excluded from this scope work and may be authorized under a separate contract amendment.

FEE SUMMARY

HDR proposes to perform the above-described scope of work for a not-to-exceed amount of **\$70,775.00**. This amount is broken down below as follows:

| | |
|--|------------------|
| Task 1 – Project Management (Lump Sum) | \$ 8,150 |
| Task 2 – Data Collection (Lump Sum) | \$ 4,500 |
| Task 2 – Certified Lab Water Sampling Budget* (Cost Plus 10%) | \$ 9,500 |
| Task 3 – Water Sampling and Analysis (Lump Sum) | \$ 10,850 |
| Task 4 – Desktop Residual Analysis (Lump Sum) | \$ 10,850 |

| | |
|---|------------------|
| Task 5 – Treatment Development and Analysis (Lump Sum) | \$ 26,925 |
| TOTAL FEE: | \$ 70,775 |

* At this time, the magnitude of this task is not known. Therefore, a budgetary amount is provided. This figure may increase or decrease depending upon the actual work required. If an increase becomes necessary, a contract amendment will be requested.

SCHEDULE

The proposed work will be performed within **90 calendar days** upon receipt of a signed agreement and a Notice to Proceed by the County.

TERMS AND CONDITIONS

This project will be performed under the existing contract between the County and HDR executed on June 19, 2025.

INVOICES

HDR will submit monthly invoices for all engineering work completed to invoice date. The invoices for lump sum work will be based on a percentage of completion of each phase applied to the lump sum fee and based on the appropriate fee cost for work from our subconsultants. Time and materials charges and additional services beyond those described in the Scope of Services will be invoiced on the basis of direct labor costs times a factor of 3.18 and direct cost plus 10%. Mileage will be charged at prevailing IRS rates.

HDR appreciates the opportunity to submit this proposal, and we look forward to continuing our work with the County.

Sincerely,

HDR Engineering, Inc.

Michael P. Meroney, P.E.
Vice President

Acceptance of these terms and conditions of the lump sum contract by affixing your signature to this document will constitute your acceptance of the terms and conditions.

County of Lawrence, Kansas

Authorized Signature

Printed Name

Title

Date