



## Mouth of the San Bernard River Survey Proposal (2026)

| Placeholder |                                      |
|-------------|--------------------------------------|
| Date:       | 1/14/26                              |
| To:         | Matt Hanks, Brazoria County Engineer |
| From:       | Chris Sallese, Project Manager       |
| RE:         | Mouth of the San Bernard Survey      |

GFT is pleased to submit this proposal to perform professional survey services for the future dredging open of the mouth of the San Bernard River project. The purpose of the project is to determine the quantity of dredge material that will need to be removed for the future dredging project.

This work will be considered as a condition assessment and will include land and bathymetric survey operations developing schematic plans only to determine the quantity of dredge material to be removed. A high-level cost estimate (level 4) will also be provided for future final design and construction costs.

We understand that the County plans to partner with USACE to take advantage of their next dredging project in this area along the GIWW.

### **Project Background:**

In 2023, the county dredged to opened the mouth of the San Bernard River reestablishing the rivers historic flow to the Gulf of Mexico. In 2024, the river mouth was again closed by sediment.

### **General Scope of Services:**

GFT and our subconsultants International Consulting Engineers shall provide the professional services for the condition assessment.

### **The scope of work for this assignment includes:**

- Task 1 - Project Management
- Task 2 – Assess current project conditions
- Task 3 – Plan Development

The tasks associated with this project effort are described below.

This work effort will be executed on a time and materials basis.

### **Task 1- Project Management**

GFT will execute project management activities associated with the condition assessment for the San Bernard project. These activities include scope and risk management, team organization and task assignments, monitoring the project budget, schedule and controls, overseeing quality management plans and coordinating activities within the team, Brazoria County and any external stakeholders.

## **Task 2 – Assess current project conditions**

During this task, the team will coordinate closely with the County staff for any additional information or detailed investigations that are available for the project area. These items include:

- The USACE permit and all associated environmental documentation
- Recent topographic and bathymetric surveys of the project area
- Project site visit to verify on the ground conditions
- Final report on estimated dredge quantities, and estimated construction costs (Level 4 cost estimate)

GFT will use the dredge template that was developed for the 2021 dredging project. These documents will provide valuable information on the layout of the existing channel from the GIWW to the mouth of the river. Utilizing this template as a go-by will help jump-start the planning process and the development of total dredge quantities. Additionally, the existing channel is expected to have less sediment build-up, which will reduce the amount of material needed to be removed and the overall cost of the project.

The geotechnical data from the 2021 project will be used for this condition assessment. The review the existing data and coordinate with our environmental team to determine whether additional field investigations will be required.

Our survey consultant will also review any existing topographical and bathymetric survey data to determine whether additional field investigations will be required. The majority of the project area consists of submerged land that is under the control of the Texas General Land Office (GLO). We will review the county's lease with the GLO and update it as necessary.

Our environmental consultant will review the permit ensuring any special conditions required for our survey operations are adhered too.

## **Task 3: Plan Development**

Based on the initial evaluation of the project site, the GFT team will execute the required bathymetric and land surveys. The coastal boundary survey of the area from 2021 will be used to identify the MHHW mark which delineates the limits between State owned and privately owned land.

GFT intends on using the existing geotechnical data from USACE in 2009 and used in the 2021 dredging contract to review the geotechnical aspects of the project. This proposal does not include additional geotechnical field investigations and if required will be coordinated with the county for an additional fee in the future as a part of any future project design efforts.

A final condition assessment report will be provided that quantifies the amount of material that will need to be dredged and provide a level 4 cost estimate for construction.

## Schedule and Deliverables:

Summary of Project Schedule

| Deliverable/Meeting/Correspondence                                     | Submission/Execution                              |
|--|---|
| <b><u>Task 1 Project Management</u></b>                                |   |
| Kick off meeting   | Within 2 weeks of NTP                             |
| <b><u>Task 2 – Assess current project conditions</u></b>               |   |
| Data Collection and Review<br>Site Visit                               | Within 2 weeks of receipt of all record documents |
| <b><u>Task 3: Plan Development</u></b>                                 |   |
| Execute Coastal Boundary survey<br>Complete Geotechnical review/report | Within 4 weeks of NTP                             |
|  |   |

## Fees

### Price proposal for all work

| Project Task                              | Fee                 |
|---|---------------------|
| Task 1: Project Management                | \$24,018.08         |
| Task 2: Assess current project conditions | \$48,092.44         |
| Task 3: Condition assessment              | \$38,592.64         |
| <b>Labor Total</b>                        | <b>\$110,703.16</b> |
| <b>Total Profit (12%)</b>                 | <b>\$13,284.38</b>  |
| <b>Labor plus profit</b>                  | <b>\$123,987.54</b> |
| Subconsultant (survey) and Expenses       | \$21,000.00         |
| <b>Grand Total Fee</b>                    | <b>\$144,988.54</b> |

This work effort will be billed based on time and materials basis.

### Assumptions and Exceptions Inherent to this Proposal:

- Any analysis or studies other than what is presented in this proposal are beyond the scope of our services. Revisions to the scope of services may require adjustment of the estimated fees.



2. It is GFT's understanding that the relevant supporting documentation or other communications shall be provided by County through email. Similarly, construction documents and supporting documentation shall be submitted to County by email.
3. The construction cost estimate will be based on the estimated quantities develop during the assessment. GFT assumes no responsibility associated with repair quantity or final project overruns during construction.
4. During the site inspection, should GFT discover significant environmental concern which could impact the design or safe construction operations, GFT will immediately notify County and await further guidance concerning additional in-depth inspections. Additional inspections outside the scope of the project may require an additional fee.
5. Assumes all current permits and leases are in good standing and all conditions on the subject project would not require modification of permits or leases.
6. Coastal boundary surveys from 2021 will be used for this effort.
7. Right-of-entry will be obtained by the client.
8. Surveying services outside of the scope of work described will be considered additional services.
9. Weather and other environmental factors are conducive to completing field work in a timely fashion once initiated.
10. Access to the site will require a boat launched from a public dock within 3 miles of the site.
11. Design team will wear appropriate PPE during site visit. It is our understanding that no additional safety training or equipment will be required.
12. This scope of work does not include any additional geotechnical field investigations or borings. Should additional borings be required, GFT will immediately notify the County. Additional field investigations outside the scope of work to define in this proposal may require an additional fee.

We appreciate the opportunity to provide this proposal for professional services.

In your service,

*Christopher Sallesse*

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