

July 20, 2009

Ms. Ellen Posivach, City Manager
City of Port Richey
6333 Ridge Road
Port Richey, Florida 34668

Re: Proposed Scope of Services and Estimated Costs, Miller's Bayou Dredging – Engineering, Permit Modifications, Special Assessment District for Canal Dredging Program, and Construction Phase Services, City of Port Richey, FL

Dear Ms. Posivach,

Taylor Engineering is pleased to present the attached scope of services (Attachment A) and costs (Attachment B) for professional dredging engineering services to dredge a series of new navigation channels within Miller's Bayou (Channels 1, 7, 8, 9, 10, 14, 15, 16, 17, 18, 24, and 26). The attached figure shows the canal locations. Taylor Engineering has based this scope of services on discussions with the City of Port Richey Council members and city staff, review of current regulatory agency permits, and review of the previous consulting engineering firm's project files that the city provided.

As requested, our services and associated costs includes meetings with the permitting entities — Florida Department of Environmental Protection and U. S. Army Corps of Engineers — to modify the current permits for the project. The success of this project pivots on modifying the permits to add provisions for maintenance dredging, remove seagrass mitigation requirements, include allowances for overdepth dredging, and identify a disposal site that meets the permitting requirements of state and federal agencies. The attached scope of services begins with these tasks and continues with the broad assumption that the results will meet the approval of all parties. Subsequent tasks thus address work associated with final design and plans, technical specifications, and contract documents for the project, as well as construction administration, and project certification and closeout.

As detailed in Attachment B, Taylor Engineering proposes to perform the work outlined above for a cost not-to-exceed of \$254,841.

We appreciate this opportunity to serve the City of Port Richey. If you have any questions about this proposal, please contact me via email at jwagner@taylorengeering.com or at (904) 731-7040.

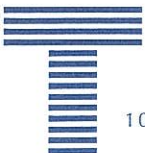
Best regards,



Joe Wagner, P.E.
Senior Engineer, Waterfront Group

Enclosures

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**Scope of Services
for
Miller's Bayou Dredging – Engineering, Permit Modifications, Special Assessment District for
Canal Dredging Program, and Construction Phase Services, City of Port Richey, FL**

Introduction

The City of Port Richey has obtained permits from the Florida Department of Environmental Protection (FDEP) and U.S. Army Corps of Engineers (USACE) to dredge a series of new navigation channels. However, due to impacts to seagrass, the existing FDEP permit mandates 100 specific conditions that the city must address or complete before dredging. In effect, these permit conditions render the current permit infeasible. Therefore, the city seeks to concentrate on 12 channels within Miller's Bayou (Channels 1, 7, 8, 9, 10, 14, 15, 16, 17, 18, 24, and 26) that do not impact seagrasses.

The Miller's Bayou channels have an authorized channel depth of -5 ft Mean Low Water (MLW), varying channel bottom-widths from 8 ft to 50 ft, and 1 vertical to 2 horizontal side slopes. Primarily following deep water, the 12 proposed channels will extend over two miles, and will provide navigation to 143 residences and businesses within Miller's Bayou to the Pithlachascotee River and then the Gulf of Mexico.

Before composing this scope of services, representatives of Taylor Engineering and its subconsultant, Scheda Ecological Associates, accompanied members of the city staff on a site visit to a number of potential dredged material management areas (DMMA) and final dredged material management disposal sites. Following the city's selection of a DMMA and a final dredged material management disposal site, Taylor Engineering will focus this entire scope of services on only one DMMA and one separate final disposal site.

If necessary, Taylor Engineering will work with the relevant regulatory agencies to modify existing permits to reflect the selected DMMA, remove any impacts to seagrasses or other natural resources during dredging, include provisions for maintenance dredging, and add 1 ft of overdepth dredging to each canal.

Assumptions/Exclusions

In developing this scope of services, Taylor Engineering made the following assumptions and exclusions. Should these assumptions or exclusions prove incorrect or if the City of Port Richey wishes to alter the project from its original design, Taylor Engineering will submit a separate scope of services and cost estimate to cover this new work.

- 1) Project final design and construction will generally occur as described in the City of Port Richey's current FDEP Environmental Resource Permit (ERP) and USACE Department of the Army Permit unless otherwise noted in the attached scope of services.
- 2) As approved by the City Council, the City Manager will act as the city's project manager for all dredging projects and coordination efforts. The City Project Manager will act as the Taylor Engineering's point of contact and Taylor Engineering shall submit all requests for information through the city's project manager or designee.
- 3) The city will provide the data required to develop the special assessment program (see Task 3).
- 4) This scope of services does not provide time and budget to prepare and mail first class notices required by section 197.3632, Florida Statutes for the tax bill collection method or the separate bill collection method for the special assessment program (see Task 3). These mailings and notifications remain the city's responsibility.

- 5) This scope of services does not provide time and budget to process (print, deliver, receive response) special prepayment notices. These notifications remain the city's responsibility.
- 6) This scope of services does not provide time and budget to make design changes to the previously designed and permitted channel template or to perform any detailed engineering analyses of the channel stability, construction, or offloading plans with the two exceptions. The exceptions are adding 1 ft of overdepth dredging to each canal and providing two dredging template volumes — corresponding to widths of 30 and 50 ft — for Channels 1 and 26.
- 7) Once selected, this project will include the use of only one DMMA and one final disposal site.
- 8) The city will provide a template for Division 1 (General Requirements) of the construction specifications in its approved format. Taylor Engineering will provide only the technical specifications.
- 9) Taylor Engineering does not guarantee that regulatory agencies will authorize permit modifications for this project. The city is responsible for any permit-related fees, if necessary.
- 10) The city will bear responsibility for legal review and evaluation of contractors' financial condition, business licenses or authorizations, bonding, contractual requirements, project fees, and any other non-engineering or non-technical information.
- 11) If final design or construction activities require additional field investigations, engineering analysis, design work, or construction observation not included in this scope of services, Taylor Engineering will discuss this matter with the city's project manager or their designee and, if necessary, submit a separate scope of services and cost estimate for those investigations.
- 12) The city will solicit bids for this project and award a single contract to a construction contractor based on the results of bids.
- 13) Taylor Engineering will receive written authorization from the City of Port Richey City Manager and/or their staff designee prior to proceeding with each task item outlined below.

Task 1. Dredged Material Management Area Permit Level Design

The scope and sequence of Task 1 will proceed as follows:

- Scheda Ecological Associates will perform a natural resource investigation of the DMMA site.
- Scheda Ecological Associates will prepare a natural resource narrative sufficient for permit review by regulatory agencies.
- Taylor Engineering will create a preliminary engineering design sufficient for permit review by regulatory agencies. Subtasks for this design include:
 - Topographic, boundary, and hydrographic survey (Group3 Surveying and Mapping)
 - Geotechnical conditions site investigation coordination (Ardaman and Associates)
 - Barge and dredge pipeline access location documents
 - DMMA details
 - ◆ Site bulkhead evaluation
 - ◆ Design (permit-level)
 - ◆ Permit Drawings (Signed and Sealed)
 - ◆ Dewatering and Operations Plan

Task 1 Cost: \$40,942

Task 2. Agency Coordination and Permit Modifications

Taylor Engineering will work with the permitting entities — Florida Department of Environmental Protection (FDEP) and U. S. Army Corps of Engineers (USACE) — to modify the current permits for the project. In addition, Taylor Engineering will coordinate with the U.S. Coast Guard and Florida Fish and Wildlife Commission regarding channel signage requirements.

2.1 Permit Modification Support Services

If necessary, Taylor Engineering will provide the city with the following services for a permit modification for the selected dredged material management area:

- Prepare revised permit drawings showing the modifications identified and described above
- Prepare and submit draft permit modification request letter along with supporting documents created as part of Task 1 (drawings, natural resource narrative, and dewatering and operations plan) to the city for review and acceptance
- Revise draft permit modification request and supporting documents, as requested by the city, and submit this along with permit drawings to FDEP and USACE
- Attend one meeting each with FDEP and USACE to review proposed permit modifications (described in greater detail below)
- Provide coordination between the city, FDEP, and USACE regarding the permit modification request

2.2 Agency Coordination Meetings

Taylor Engineering will prepare for and attend up to three separate meetings each with the FDEP and USACE. Taylor Engineering will attend these meetings to discuss adding provisions for maintenance dredging, removing seagrass mitigation requirements, including allowances for overdepth dredging, and if initiated in Task 1, information that may arise during the DMMA review process.

At the meetings, Taylor Engineering will present a project overview to the regulatory agencies, including previous investigation results and any other relevant information assembled through the completion of this scope of services.

The current USACE permit does not include channels with seagrass impacts (specifically Channel 2, 20, 22, 25, and 29), which the FDEP permit covers. Concurrent with subtask 2.2, Taylor Engineering will discuss during its meeting with the USACE modifying the current USACE permit to incorporate these channels. This subtask provides limited engineering time (approximately 24 hours) to consult with the USACE to document what the city can do to receive Florida Fish and Wildlife Conservation Commission (Fish and Wildlife) approval of regulatory signage to mitigate concerns regarding vessels entering the seagrass mitigation area. Based on correspondence from Banks Engineering, in a letter dated June 19, 2008 addressed to then City Manager for the City of Port Richey, Richard Reade, Fish and Wildlife approval is the last item necessary for the USACE to provide permits to these channels.

The purpose of this consultation is to determine USACE permitting feasibility and additional efforts required to pursue directly a USACE permit for Channels 2, 20, 22, 25, and 29. Following discussions with the City Manager, Taylor Engineering will submit a written letter report summarizing the outcome of the USACE meeting. Should the city wish to pursue this matter, Taylor Engineering will submit a

separate scope of services and cost estimate to cover any new work required to modify the USACE permit to incorporate channel 2, 20, 22, 25, and 29.

Two professional staff members and the City Manager and/or their staff designee will attend each of these meetings. Following discussions with each of the agencies, Taylor Engineering will prepare meeting minutes and provide them to the city.

Following the city's acceptance of meeting minutes from the two agency coordination meetings, Taylor Engineering will submit the final permit modification request and supporting documents to the FDEP and the USACE.

2.3 Regulatory Agency Request for Additional Information Responses

A permit modification request typically results in one or more requests for additional information (RAI) from the regulatory agencies. This subtask provides time (approximately 24 hours of engineering time and 10 hours of technician time) for one response to a request for additional information received from each of the regulatory agencies listed above. Taylor Engineering has included time for Scheda Ecological Associates to assist with this task. Should the budgeted time and scope of work prove inadequate to respond to additional RAI requests, Taylor Engineering will submit a separate scope of services and cost estimate to cover this additional work.

Task 2 Cost: \$21,941

Task 3. Community Education of Special Assessment District

Taylor Engineering will work with the City Manager and/or their staff designee to establish and implement a community education/outreach program to introduce the affected property owners to the proposed project and the special assessment methodology. Taylor Engineering will develop a preliminary outreach program limited to a dedicated webpage outlining the city's dredging program. Taylor Engineering will construct the webpage with all of the documents and information necessary to facilitate citizens' understanding of the proposed dredging project and to encourage their commitment (via ballot) to participate. The webpage will feature updates on the overall status of the program as well as the status of individual projects.

If the city desires, Taylor Engineering will solicit the services of a qualified public relations firm to muster a more rigorous public outreach program than the one described above. The current scope and budget does not include the services of a qualified public relations firm.

Task 3 Cost: \$4,686

Task 4. Special Assessment District for Canal Dredging Program

Taylor Engineering will coordinate with its subconsultant, Government Services Group (GSG), to help the city establish special assessments to fund this and subsequent canal dredging projects. GSG will develop and implement the proposed assessment program. Nabors, Giblin, & Nickerson, P.A. (NG&N) will assist GSG with the legal aspects of the special assessment program including the preparation of the legal documents necessary to implement the special assessments.

4.1 Development of Preliminary Proforma Assessment Rates

GSG and NG&N will evaluate the city's existing documents, ad valorem tax roll information, project data, agreements, reports, and other data pertaining to the canal dredging project. GSG will use the city's current financial information to evaluate the full cost of the proposed canal dredging project and identify issues that may affect the apportionment methodology. Taylor Engineering will work with GSG to determine the net revenue requirements. GSG will advise the City in determining the total project revenue requirements to identify the costs of: (a) net revenue requirements, (b) implementing the program, and (c) collecting the assessments.

- Import ad valorem roll data and GIS files
- Use GIS overlays of the assessment area(s) to determine the list of parcels to be included in the assessment
- Analyze all parcels within the area and assign units based on the assessment methodology.

Using the assessment billing and collection database, project cost data and defined project benefit areas, GSG and NG&N will develop the method of apportionment, classification of properties, and the use of the data on the assessment database. GSG and NG&N will review the assessment methodology for legal sufficiency and compatibility with all methods of collection. GSG will apply the apportionment methodology to the assessment database to test the data validity and legal sufficiency and will revise the apportionment methodology as necessary.

Using the assessment billing and collection database, GSG will calculate a proforma schedule of rates based on the apportionment methodology and revenue requirements for the assessment program. GSG will then prepare and present an Assessment Memorandum that documents the proposed apportionment methodology and proforma assessment rates. This subtask includes two onsite visits by GSG staff and one onsite visit by NG&N staff.

4.2 Implementation of Proforma Assessment Rates

NG&N will draft the Master Capital Assessment Ordinance to establish the procedures for implementation of a canal dredging assessment program. NG&N will draft an initial assessment resolution that conforms to the assessment ordinance and that implements the city's policy decisions and proposed methodology. Based on city review and comment on the draft resolution, NG&N will draft a final assessment resolution that conforms to the assessment ordinance and adopts final assessment rates.

GSG and NG&N will advise and assist with the legal requirements for the adoption of the final assessment rate resolution. GSG will advise and assist with the prepayment process including preparation and mailing of the prepayment notices and provision of a table or spreadsheet for city staff to track prepayments. For the initial billing cycle, GSG will assist the city in mailing the separate bills to the affected property owners (if the city elects to use a separate billing process) and will advise the city on finance and accounting procedures to monitor the separate billing process. The city will assume full responsibility for all subsequent billing cycles. This subtask includes one onsite visit by GSG staff and two onsite visits by NG&N staff.

4.3 Opinion of Probable Cost

Taylor Engineering will provide the city with an opinion of probable cost for dredging channels within Miller's Bayou (Channels 1, 7, 8, 9, 10, 14, 15, 16, 17, 18, 24, and 26). The cost opinion will include all expected engineering, establishment of special assessment district (provided by GSG), construction, and final permit certification expenses. Taylor Engineering will perform material take-offs to estimate the

quantities of project construction materials. We will research material unit costs, adjusted for the project location and current market conditions. We will also attempt to obtain cost information from local contractors and material suppliers near the project. This opinion of probable cost will serve for planning purposes. Actual construction costs may vary depending on prevailing market conditions at the time of construction.

Task 4 Cost: \$52,731

Task 5. Special Assessment District Ballot

Before proceeding with this task, the City Council will determine the level of public acceptance and support necessary to move forward with the construction of the dredging project. Upon the completion of the proposed assessment methodology and proforma assessment rates, Taylor Engineering will work with GSG to draft a Special Assessment District Ballot in a manner conducive to providing survey results that clearly indicate support or opposition to the proposed assessment program. GSG will produce and send the ballot and return envelope (postage paid) via first-class mail to all affected property owners. GSG will tally and summarize the results of the ballot for the City Council review. Taylor Engineering will receive written authorization from the City of Port Richey City Manager and/or their staff designee prior to proceeding with the next task, final construction documents.

Task 5 Cost: \$3,979

Task 6. Final Construction Documents

Taylor Engineering will prepare final design drawings and technical project specifications.

6.1 Project Design Elements

Development of final dredging plans will include the following services.

- Prepare final channel design geometry including plan and cross-sectional layout consistent with the permit-level drawings submitted to the regulatory agencies. The dredging plans will include designated dredging cuts, stationing, and work areas limits, as appropriate. The dredging plans will also include adding 1 ft of overdepth dredging to each canal and providing two dredging template volumes — corresponding to widths of 30 and 50 ft — for Channels 1 and 26.
- Prepare final DMMA and disposal site plan and cross-sectional layout consistent with the permit-level drawings submitted to the regulatory agencies. The plans will include designated details described in the dewatering and operations plan.
- Prepare all final estimates of required dredging volumes.

Taylor Engineering will develop and incorporate into the final construction drawings a pipeline or barge route between each proposed dredging site to the DMMA. Taylor Engineering will base the location of each route on previously provided or collected information (permit documents) and the location of the federal channel within the Pithlachascotee River. This task includes time and budget to contact the U. S. Coast Guard (USCG) and develop drawings and specifications necessary to construct channel markers and navigational aids as previously identified in permitting documents.

6.2 Draft Construction Drawings

Taylor Engineering will prepare AutoCAD-based digital full-size construction drawings. The plan set will include photo-based sheets depicting the project areas. Taylor Engineering will obtain existing aerial photography for this purpose. These drawings will provide plan views and cross sections of existing conditions, the proposed dredging template, and the proposed barge and pipeline routes. The drawings will also include information regarding the DMMA. Taylor Engineering will provide the city with two copies of the final draft construction plans for review and comment.

6.3 Draft Specifications

Taylor Engineering will prepare Division 2 Technical Specifications for the project and submit both hardcopy and digital formats to the city. This task includes time for limited editing (24 staff-hours) of the city's Division 1 template for consistency with the Division 2 Technical Specifications.

6.4 Final Construction Documents

Taylor Engineering will revise the draft construction documents as required based on city review and comments, and submit to the city two electronic (PDF format files on individual compact discs) and six hardcopies of the final construction documents — project drawings and specifications signed and sealed by a registered Professional Engineer. Taylor Engineering will also provide the city with an updated final opinion of probable construction cost.

Taylor Engineering will deliver all project engineering and construction drawing and documents to the city in electronic format (i.e., AutoCAD, PDF, Word, Excel, etc.). Taylor Engineering will compose the request for proposal with input from the City of Port Richey City Manager and/or their staff designee.

Task 6 Cost: \$33,837

Task 7. Bidding Assistance and Contractor Selection

Taylor Engineering will provide the city with support services during bidding and dredging contractor selection. Taylor Engineering will prepare and provide a master copy of bid packages to the city, clarify and interpret the project documents, and prepare addenda, if required. The Engineer of Record will attend the pre-bid meeting near the project site or in another location as directed by the City Manager and/or their staff designee. At this meeting, the Project Engineer will answer questions concerning elements of the project for which Taylor Engineering is responsible.

The Engineer of Record will attend and observe the bid opening. Taylor Engineering will assist with bid review and provide the city with written recommendations for contractor selection. Taylor Engineering's review of bid documents will focus on contractors' technical qualifications and excludes review of contractors' financial or contractual arrangements and other non-technical issues.

Task 7 Cost: \$8,416

Task 8. Dredging Construction Administration Services

Taylor Engineering has developed the scope of services for this task based on the following:

- The total maximum construction time (including mobilization/demobilization of construction equipment) will not exceed 240 calendar days. The total maximum construction time reflects a seven-day week, 12-hour day operating schedule for surveying, dredging and dredged material management activities (initial preparation of the DMMA, laying pipeline (if necessary), decanting the dredged material in the dredged material management facility, offloading the DMMA, and returning the site to its pre-construction condition (if necessary)).
- Project construction will adhere to the project plans and specifications and permit conditions.
- The contractor will take responsibility for all construction layout surveys and preparation of as-built drawings for final survey certification of the completed work.
- The contractor will take responsibility for water quality monitoring; monitoring of endangered, threatened, and other species of special concern; and all other activities required to comply with permit conditions and control of the job site.
- Taylor Engineering will help the city establish owner, engineer, and contractor lines of communication.
- Taylor Engineering will limit its review of contractor submittals, including permit-related documentation, to checking for general conformance with the design intent.
- The contractor will assume all responsibility for construction means and methods and project site safety.

Should any of these assumptions prove incorrect, Taylor Engineering will work with the city to develop an appropriate additional scope of services and budget.

8.1 Pre-Construction and Coordination Meeting

After the Notice to Award, but before the issuance of a Construction Notice to Proceed, Taylor Engineering will review the contractor's pre-construction submittals to understand the contractor's intended procedures and assist in preparation of the pre-construction meeting agenda. Taylor Engineering will conduct a preconstruction meeting with the City Manager and/or their staff designee, the contractor, and regulatory agencies. The purpose of the meeting is to achieve a mutual understanding with the contractor of required quality control procedures; to jointly review project design and resolve issues of concern; to discuss project drawings and specifications, schedule, and documentation; and to establish a good working relationship between the contractor's quality control staff and Taylor Engineering's construction administration representatives. Taylor Engineering will take minutes of the preconstruction meeting discussions and distribute them to the City Manager and/or their staff designee and the contractor.

8.2 Dredging Construction Administration

Taylor Engineering will help the city administer construction. Taylor Engineering's in-office duties will include the following:

- Review the contractor's shop drawings and submittals (limited to ten submittals)
- Review and recommend for approval up to eight progress pay application surveys
- Review and recommend for approval up to eight monthly pay applications

- Prepare up to eight change order directives
- Review work progress and contractor initiated change orders
- Review the release of lien, contractor affidavits, and contract certifications

Taylor Engineering will remain available through construction to provide advice and consultation to the city through site visits and teleconferences (see Task 9). In that role, Taylor Engineering will address questions pertaining to engineering, design, permitting issues, and any proposed changes to project design. During the project, Taylor Engineering will coordinate permit-related submittals (in accordance with the permit requirements) to the relevant permitting agencies.

Taylor Engineering's project staff will conduct up to 24 site visits to observe whether work is preceding in general conformance with permit conditions, plans, and specifications. Visits will include observation of the work; however, Taylor Engineering will not assume responsibility for the contractor's means, methods, sequence, and safety measures.

During the 24 site visits, Taylor Engineering will conduct eight scheduled onsite project meetings with contractor and City Manager and/or their staff designee to discuss project progress and to address questions pertaining to engineering, design, permitting issues, and conflicts that require resolution. Should unexpected problems arise outside of these planned meetings, Taylor Engineering staff will attend up to two-problem resolution meetings onsite and up to two meetings via teleconference.

Taylor Engineering will notify the City Manager and/or their staff designee of any contractor-reported permit violations, work stoppages, or conflicts and recommend to the city ways to resolve these issues. Taylor Engineering will not take responsibility for jobsite safety. Under subtask 7.2, Taylor Engineering has budgeted three hours per week of corporate level project review and quality control/quality assurance oversight.

Task 8 Cost: \$50,333

Task 9. Dredging Construction Project Closeout and Certification

Upon notice from the City Manager and/or their staff designee, Taylor Engineering will visit the project site to determine whether the project is substantially complete. If Taylor Engineering finds the project less than substantially complete, Taylor Engineering will work with the city to develop preliminary and final punch lists of items for the contractor to complete or correct. After the contractor satisfies the requirements of the punch lists, Taylor Engineering will certify the project substantially complete. Taylor Engineering has budgeted for two onsite meetings (pre-final and final observation and closeout) during this stage of the project.

Taylor Engineering will collect and review the following information from the contractor before project closeout.

- Final waiver and release of lien from all subcontractors and suppliers
- Final pay application
- Post-construction/as-built survey
- Final contractor certification
- Final contractor affidavit

Following completion of the project, Taylor Engineering will prepare and submit a statement of completion and a certification (in accordance with the permit requirements) to the relevant permitting agencies.

Task 9 Cost: \$13,509

Task 10. Project Management and Public Meetings

Taylor Engineering will track schedules throughout this project to monitor all costs and timelines. Taylor Engineering will adjust the schedule to account for agency review times, weather delays, or any other issues that could delay the progress of this project. Thus, Taylor Engineering will update the schedule with any progress information as Taylor Engineering receives it.

Taylor Engineering will prepare for and attend up to eight public meetings with the City Council during the duration of this scope of services. In addition, Taylor Engineering will be available via phone for up to 16 additional public meeting with the City Council. Taylor Engineering understands that the City of Port Richey will hold these meetings to solicit input from City Council and to provide project updates to residents and stakeholder representatives as deemed necessary and appropriate. Taylor Engineering's Project Manager and additional team members, as appropriate, will attend these meetings as needed. Should the City Council or City Manager request that Taylor Engineering's staff attends additional public meetings, Taylor Engineering will submit a separate scope of services and cost estimate to cover this additional work.

Taylor Engineering will complete 24 monthly status reports (i.e., updates), to the City of Port Richey. These reports will include current project schedule, agency actions/determinations, and an updated status of project budget to include current expenditures compared to the approved budgets. Taylor Engineering will provide copies of all correspondence with the regulatory agencies to the City of Port Richey for public distribution. In addition, Taylor Engineering will prepare and attach separate, monthly progress reports with invoices to the City of Port Richey. These reports will outline the work performed during the previous month on a task-by-task basis.

Taylor Engineering will provide project information, a project timeline, and current project status in PDF format on a website for public access. Taylor Engineering will update the information on this website for two years under this Work Order.

Task 10 Cost: \$24,466

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TAYLOR ENGINEERING, INC.
COST SUMMARY BY TASK
CITY OF PORT RICHEY MILLER'S BAYOU DREDGING (30 FT AND 50 FT WIDE CHANNELS):

TASK 1: Dredged Material Management Area Permit Level Design

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	2.0	280.00	
Senior Professional	74.0	8,880.00	
Staff Professional	96.0	7,776.00	
Editor	2.0	186.00	
Senior Technical Support	4.0	380.00	
Staff Technical Support	36.0	2,484.00	
Administrative Support	11.0	561.00	
Total Man-Hours		225.0	
Labor Cost			20,547.00
<i>Non-Labor</i>	Units	Cost (\$)	
DMMA Subconsultant Investigations	--	--	
Subcontractor (Scheda) Environmental Assessment	1.0	4,975.00	
Subcontractor (Group3) Surveys	1.0	6,975.00	
Subcontractor (Ardaman)	1.0	6,000.00	
Reimbursable	1.0	50.00	
DMMA Site Inspection	--	--	
Car Rental with Gas (Days)	1.0	85.00	
Per Diem (Hotel/Food for one person)	1.0	125.00	
Non-Labor Cost		18,210.00	
Fee @ 12.0%		2,185.20	
Total Non-Labor Cost			20,395.20
<i>Total Task 1</i>			\$ 40,942.20

TASK 2: Agency Coordination & Permit Modifications

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	1.0	140.00	
Senior Professional	89.0	10,680.00	
Staff Professional	90.0	7,290.00	
Editor	7.0	651.00	
Senior Technical Support	5.0	475.00	
Staff Technical Support	18.0	1,242.00	
Administrative Support	12.0	612.00	
Total Man-Hours		222.0	
Labor Cost			21,090.00
<i>Non-Labor</i>	Units	Cost (\$)	
Reimbursable (Reproductions/Delivery)	2.0	100.00	
Agency Coordination Meetings	--	--	
Car Rental with Gas (Days)	6.0	510.00	
Per Diem (Food for one person)	6.0	150.00	
Non-Labor Cost		760.00	
Fee @ 12.0%		91.20	
Total Non-Labor Cost			851.20
<i>Total Task 2</i>			\$ 21,941.20

TASK 3: Community Education of Special Assessment District

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	1.0	140.00	
Senior Professional	8.0	960.00	
Staff Professional	16.0	1,296.00	
Editor	4.0	372.00	
Senior Technical Support	1.0	95.00	
Staff Technical Support	16.0	1,104.00	
Administrative Support	4.0	204.00	
Total Man-Hours	50.0		
Labor Cost			4,171.00
<i>Non-Labor</i>	Units	Cost (\$)	
Website Access Fee (24 months)	24.0	360.00	
Reimbursable (Reproductions/Delivery)	2.0	100.00	
Non-Labor Cost		460.00	
Fee @ 12.0%		55.20	
Total Non-Labor Cost			515.20
<i>Total Task 3</i>			\$ 4,686.20

TASK 4: Special Assessment District for Canal Dredging Program

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Senior Professional	16.0	1,920.00	
Staff Professional	32.0	2,592.00	
Editor	4.0	372.00	
Senior Technical Support	4.0	380.00	
Staff Technical Support	28.0	1,932.00	
Administrative Support	3.0	153.00	
Total Man-Hours	87.0		
Labor Cost			7,349.00
<i>Non-Labor</i>	Units	Cost (\$)	
Special Assessment District Investigations	--	--	
Subcontractor (GSG) Assessment District	1.0	40,000.00	
Car Rental with Gas (Days)	2.0	170.00	
Per Diem (Hotel/Food for one person)	2.0	250.00	
Reimbursables (Reproductions/Delivery)	2.0	100.00	
Non-Labor Cost		40,520.00	
Fee @ 12.0%		4,862.40	
Total Non-Labor Cost			45,382.40
<i>Total Task 4</i>			\$ 52,731.40

TASK 5: Special Assessment District Ballot

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Senior Professional	4.0	480.00	
Staff Professional	16.0	1,296.00	
Editor	2.0	186.00	
Administrative Support	2.0	102.00	
Total Man-Hours	24.0		
Labor Cost			2,064.00
<i>Non-Labor</i>	Units	Cost (\$)	
Special Assessment District Ballot	--	--	
Subcontractor (GSG) Assessment District	1.0	1,500.00	
Car Rental with Gas (Days)	1.0	85.00	
Per Diem (Food for one person)	1.0	25.00	
Reimbursable (Reproductions/Delivery)	2.0	100.00	
Non-Labor Cost		1,710.00	
Fee @ 12.0%		205.20	
Total Non-Labor Cost			1,915.20
<i>Total Task 5</i>			\$ 3,979.20

TASK 6: Final Construction Documents

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	2.0	280.00	
Senior Professional	70.0	8,400.00	
Staff Professional	97.0	7,857.00	
Editor	8.0	744.00	
Senior Technical Support	3.0	285.00	
Staff Technical Support	208.0	14,352.00	
Administrative Support	15.0	765.00	
Total Man-Hours	403.0		
Labor Cost			32,683.00
<i>Non-Labor</i>	Units	Cost (\$)	
Final DMMA & Offloading Site Inspection	--	--	
Car Rental with Gas (Days)	1.0	85.00	
Per Diem (Hotel/Food for one person)	1.0	125.00	
Draft Con Doc (Reproducible)	2.0	100.00	
Draft Spec Doc (Reproducible)	2.0	100.00	
Final Spec & Con Doc (Electronic)	2.0	20.00	
Final Spec Doc (Reproducible)	6.0	300.00	
Final Con Doc (Reproducible)	6.0	300.00	
Non-Labor Cost		1,030.00	
Fee @ 12.0%		123.60	
Total Non-Labor Cost			1,153.60
<i>Total Task 6</i>			\$ 33,836.60

TASK 7: Bidding Assistance & Contractor Selection

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	2.0	280.00	
Senior Professional	32.0	3,840.00	
Staff Professional	26.0	2,106.00	
Editor	6.0	558.00	
Senior Technical Support	1.0	95.00	
Staff Technical Support	8.0	552.00	
Administrative Support	9.0	459.00	
Total Man-Hours	84.0		
Labor Cost			7,890.00
<i>Non-Labor</i>	Units	Cost (\$)	
Meetings (Pre-Bid & Bid Opening)	--	--	
Car Rental with Gas (Days)	2.0	170.00	
Per Diem (Hotel/Food for one person)	2.0	250.00	
Bid Package Master Copy (Reproducible)	1.0	50.00	
Non-Labor Cost		470.00	
Fee @ 12.0%		56.40	
Total Non-Labor Cost			526.40
Total Task 7			\$ 8,416.40

TASK 8: Dredging Construction Administration Services

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Senior Advisor	40.0	6,640.00	
Director	2.0	280.00	
Senior Professional	161.0	19,320.00	
Staff Professional	206.0	16,686.00	
Editor	1.0	93.00	
Senior Technical Support	8.0	760.00	
Staff Technical Support	32.0	2,208.00	
Administrative Support	28.0	1,428.00	
Total Man-Hours	478.0		
Labor Cost			47,415.00
<i>Non-Labor</i>	Units	Cost (\$)	
Meetings (Pre-Construction and Coordination)	--	--	
Car Rental with Gas (Days)	2.0	170.00	
Per Diem (Hotel/Food for one person)	2.0	250.00	
Meetings (Site Visits)	--	--	
Fuel Cost Per Visit (Days)	24.0	705.60	
Per Diem (Food for one person)	24.0	600.00	
Meetings (Project Meetings)	--	--	
Car Rental with Gas (Days)	8.0	680.00	
Per Diem (Food for one person)	8.0	200.00	
Non-Labor Cost		2,605.60	
Fee @ 12.0%		312.67	
Total Non-Labor Cost			2,918.27
Total Task 8			\$ 50,333.27

TASK 9: Dredging Construction Project Closeout & Certification

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	3.0	420.00	
Senior Professional	43.0	5,160.00	
Staff Professional	64.0	5,184.00	
Editor	1.0	93.00	
Senior Technical Support	4.0	380.00	
Staff Technical Support	16.0	1,104.00	
Administrative Support	15.0	765.00	
Total Man-Hours	146.0		
Labor Cost			13,106.00
<i>Non-Labor</i>	Units	Cost (\$)	
Meetings (Punchlists)	--	--	
Car Rental with Gas (Days)	1.0	85.00	
Per Diem (Food for one person)	1.0	25.00	
Reproducible	5.0	250.00	
Non-Labor Cost		360.00	
Fee @ 12.0%		43.20	
Total Non-Labor Cost			403.20
<i>Total Task 9</i>			\$ 13,509.20

TASK 10: Project Management & Public Meetings

<i>Labor</i>	Hours	Cost (\$)	Task Totals
Director	4.0	560.00	
Senior Professional	104.0	12,480.00	
Staff Professional	80.0	6,480.00	
Staff Technical Support	32.0	2,208.00	
Administrative Support	8.0	408.00	
Total Man-Hours	228.0		
Labor Cost			22,136.00
<i>Non-Labor</i>	Units	Cost (\$)	
Reimbursables	8.0	400.00	
Car Rental with Gas (Days)	8.0	680.00	
Per Diem (Hotel/Food for one person)	8.0	1,000.00	
Non-Labor Cost		2,080.00	
Fee @ 12.0%		249.60	
Total Non-Labor Cost			2,329.60
<i>Total Task 10</i>			\$ 24,465.60

Project Total \$ 254,841.27