

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date: April 21, 2009

(X) Consent

() Regular

() Workshop

() Public Hearing

Department

Submitted By:

Environmental Resources Management

Submitted For:

Environmental Resources Management

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Task Order No. 0410-09 to a continuing Contract (R2008-0410) with Taylor Engineering for an amount not to exceed \$362,811.85 for completion of the Army Corps of Engineers (ACOE) required Environmental Impact Statement (EIS) for the South Palm Beach & Lantana Erosion Control Project (Project).

Summary: The BCC approved the Contract with Taylor on March 11, 2008 (R2008-0410). Eight (8) task orders totaling \$1,183,831.34 have been issued under the Contract. Task Order No. 0410-09 authorizes Taylor to perform an EIS which evaluates the environmental, historic, economic and social values that the Project may impact as well as alternatives to the proposed Project. It was recently determined by the ACOE that an EIS must be completed in order to meet federal agency obligations under the National Environmental Policy Act (NEPA). The Town of South Palm Beach (SPB) will reimburse \$72,562.37 of the cost. The County's share is funded by a combination of Tourist Development Tax, interest, and ad valorem. There is no (0%) SBE subconsultant participation on this Task Order. Taylor committed to an overall 15% Small Business and Minority Business (SBE-MBE) participation in the Contract. Taylor has achieved 16.1% cumulative SBE-MBE participation on the Contract including this Task Order. District 4 (JM)

Background and Justification: On October 7, 2008 the BCC approved Coastal Planning & Engineering's (CPE) Task Order No. 0877-03 (R2008-1764) which authorized CPE to continue the coastal engineering, design and permitting services required to further develop the Project. Presently, the designed Project consists of a series of segmented nearshore breakwaters parallel to the shoreline. In April 2009, CPE will submit on the County's behalf a Joint Coastal Permit application for this Project to the FDEP.

In April 2006, the BCC approved the South Palm Beach Feasibility Study (Task Order CPE-001), which evaluated the SPB and Town of Lantana shorelines, multiple erosion control alternatives (no action, beach nourishment, groins and breakwaters), and the
(Continued on Page 3.)

Attachments:

1. Task Order No. 0410-09 with Contract History
2. Contract (pages 1, 18, Fee Schedule)

Recommended by:

Richard E. Walby
Department Director

3/24/09
Date

Approved by:

[Signature]
County Administrator

4/6/09
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	<u>362,811</u>	_____	_____	_____	_____
External Revenues	<u>(72,562)</u>	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	<u>290,249</u>	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes X No _____

Budget Account No.: Fund Department Unit Object

Feasibility Study 3652 381 M044 3120

Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Town of South Palm Beach: \$72,562.37

Beach Improvement Fund: \$290,249.48

It is anticipated that the Florida Department of Environmental Protection (FDEP) will reimburse 50% of the project costs through a future grant agreement. SPB, through Interlocal Agreement (R2007-0796), is cost sharing twenty percent (20%) of the total eligible project costs which includes project management, engineering and design, permitting, construction, mitigation and environmental and project performance monitoring.

C. Department Fiscal Review:

JH

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:

Jim D. 3-30-09
OFMB *3/30/09*

Jim J. Jacoby 3/31/09
Contract Development and Control *3/31/09*

B. Legal Sufficiency:

James C. King 4/1/09
Assistant County Attorney

This item complies with current County policies.

C. Other Department Review:

Department Director

Background and Justification (continued from page 1):

environmental impacts each alternative may create. CPE completed the Study in June 2007 and the County determined that constructing breakwaters would be the most appropriate long-term protection response to the ongoing erosion.

The shoreline along the SPB and Lantana Municipal Beach has been designated by FDEP as critically eroded. Since winter 2003, six dune restoration projects have been constructed in an effort to help provide storm protection to upland infrastructure. The last dune restoration was completed in January 2009 with placement of approximately 12,000 tons of sand.

TAYLOR ENGINEERING INC

March 18, 2009

Kimberly Miranda
Senior Environmental Analyst
Palm Beach County
Department of Environmental Resources Management
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743

Re: South Palm Beach Shoreline Protection Project Environmental Impact Statement (EIS) —
Responses to Comments and Revised Proposal

Dear Ms. Miranda,

Taylor Engineering is pleased to provide the following:


- Our responses to comments from Palm Beach County concerning our proposal for the project referenced above (Exhibit A). Taylor Engineering's responses in italics follow each Palm Beach County comments.
- The revised Taylor Engineering Scope of Work (Exhibit B) and Cost Summary (Exhibit C)

Taylor Engineering proposes to provide the services outlined in the Scope of Work for a fee of \$362, 811.85. Of that total, we will perform Subtasks 9.1 and 13.2 as cost-plus efforts for a not-to-exceed fee of \$48,945.75. We will provide the fixed fee portion of the services for a fixed, lump sum fee of \$313,866.10. Our Cost Summary revisions include development of fixed fee costs for all printing and reproduction efforts, court reporter services, and deaf interpreter services. Our attached responses and the Cost Summary detail the basis of the fixed fee and not-to-exceed costs.

The most recent cost revisions included changes to estimated advertisement costs, based on reduced unit cost estimates for an advertisement and additional advertisements requested by the USACE. The revised scope of work includes minor revisions requested by Palm Beach County.

If you have any questions, please contact me at (904) 731-7040.

Best regards,


David Stites, Ph.D.
Director, Environmental Services

:lgr

Exhibits

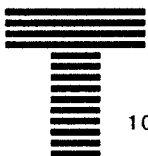


Exhibit B

Preparation of an Environmental Impact Statement for South Palm Beach Shoreline Protection Project, Palm Beach County, Florida

**Scope of Work and Schedule
Taylor Engineering
16 March 2009**

Introduction

The U.S. Army Corps of Engineers (USACE) has selected the Taylor Engineering, Inc. team (Taylor Engineering and its subconsultant CSA International Inc.) to assist in the development of an Environmental Impact Statement (EIS) for the South Palm Beach Shoreline Protection Project, Palm Beach County, Florida. The USACE has concluded that the proposed project will require an EIS to meet federal agency obligations under the National Environmental Policy Act (NEPA). Section 102 of NEPA requires all federal agencies to prepare detailed statements assessing the environmental impact of and alternatives to major federal actions significantly affecting the environment. These statements may develop in one of a few different forms; the EIS is the most comprehensive of the alternative statements defined by federal statutes.

This Scope of Work includes all procedures and steps required by the USACE to develop and complete the EIS for the proposed South Palm Beach Shoreline Protection Project.

Taylor Engineering developed this Scope of Work with the following assumptions:

- As part of this EIS process, a communications protocol designed by the USACE will govern all project-related contacts between the County, the Taylor Engineering team, and the USACE. The purpose of the letter is to "identify communication strategies and protocols to ensure that no conflict of interest occurs relative to the formulation of the EIS to maintain the public's faith in the integrity of the process." Note that Taylor Engineering signed the letter January 8, 2009.
- The tasks described below include fixed fee costs wherever possible, and not-to-exceed costs otherwise. Not-to-exceed tasks will proceed on a time and materials basis. As identified below, Task 9.1 is a not-to-exceed task because of the uncertainty at this point in the EIS process. Not-to-exceed Task 13.2, ad-hoc meetings, requires County authorization. Taylor Engineering will notify the County Project Manager after expending 25%, 50%, and 75% of the budget for each of these subtasks (9.1 and 13.2). At the point of 75%

Exhibit B

expenditure or at any point prior when the USACE recommends additional work, Taylor Engineering will consult with the County Project Manager and revise the budget as necessary to account for any changes.

- Fixed fee task cost estimates associated with regular monthly efforts (e.g., progress reports) assume 20-month project duration (April 2009 – November 2010).
- The Taylor Engineering team will perform no fieldwork, modeling, or collection of new data for the South Palm Beach Project but will gather all existing data from other sources. However, the project tasks include a data gaps analysis, which may require the project team to collect additional data. The USACE will determine the need for any new data and provide guidance to Taylor Engineering regarding the necessary means to collect that data. If the guidance identifies the need for additional data collection, Taylor Engineering will prepare and submit to the County a scope of work and budget for the additional data collection.
- The USACE and/or Palm Beach County will provide the following materials to support the Taylor Engineering team's efforts to develop the information database necessary for the EIS:
 - Contacts for further definition of proposed actions
 - Original software format graphics and related text for relevant information developed by the USACE and its contractors and the County and its contractors. The Taylor Engineering team will edit and reformat available appropriate maps for incorporation into the PDEIS and DEIS documents.
 - Assistance in developing a mailing list of interested entities
 - Any studies, reports, or documents in the possession of the USACE or County that the Taylor Engineering team may find useful in developing the Preliminary Draft Environmental Impact Statement (PDEIS) and Draft Environmental Impact Statement (DEIS).
 - Available cultural resources surveys (including those from Palm Beach County archaeologist)
 - Available Threatened and Endangered Species surveys

Exhibit B

- The USACE will provide consistency guidance throughout the process and certify that the document complies with the requirements of the federal EIS preparation guidance.
- Failure of the USACE or the County to provide the assistance as identified above and according to the agreed-upon schedule may result in a contract or schedule modification to meet the required completion date.

At this time, discussions with USACE have indicated that a limited economic analysis (performed in Task 6), within the capabilities of Taylor Engineering, will suffice for this EIS. However, if during the scoping process, data gap analyses, or public comment process the USACE identifies the need for complex economic analyses requiring the services of an economist, Taylor Engineering — after consulting with the USACE — will consult with the County to subcontract additional appropriate economic expertise to provide those services.

TASK 1 Prepare Statement of Work

The Taylor Engineering Project Manager (PM) will prepare a Statement of Work for the USACE. This document will follow example guidance provided by the USACE PM for the EIS and include the following sections:

- Introduction
- Need for the EIS
- Study Area
- Existing Conditions
- Project Objectives
- Scope of Work
- Work Breakdown Structure
- Background Work Necessary to Complete DEIS
- Government-furnished Information
- Points of Contact
- Formats of Deliverables
- Deliverable, Deliverable Dates, and Payment Schedule

Taylor Engineering will develop the South Palm Beach Project baseline schedule in Microsoft Project® and track and revise the schedule as warranted.

Exhibit B

The USACE PM will review the draft Statement of Work. Based on this review, Taylor Engineering will revise the Statement of Work in consultation with the USACE and provide USACE a final document within five working days of receiving comments. The USACE will provide a copy of the final Statement of Work to the County. With USACE approval (as required in the USACE communications protocol for the project), Taylor Engineering will provide the County an electronic copy of the schedule in Microsoft Project format.

Task 1 Deliverables

- Final Statement of Work (three paper copies and one electronic copy in pdf format)
- Baseline project schedule (one electronic copy in MS Project format)

Task 1 Estimated Cost \$ 5,902 (fixed fee)

TASK 2 Develop and Implement Quality Assurance/Quality Control (QA/QC) Plan

The QA/QC plan shall ensure the quality of all activities and products associated with the EIS. The Quality Assurance process applies planned and systematic actions within the quality management process to check that Taylor Engineering develops, produces, and records the EIS activities in compliance with the applicable regulatory requirements and USACE Jacksonville District policy. The Quality Control process applies, in response to the QA findings, planned and systematic actions within the quality management process to ensure that the all EIS-related activities and products meet project requirements.

The QA/QC plan will include the procedures used by all South Beach Project team members, a specific QA/QC Team of Taylor Engineering staff, and a schedule of QA and QC activities. Regularly scheduled activities include a monthly meeting and QA/QC report, which the Taylor Engineering PM will then include as part of the monthly progress report (Task 12).

The line item cost associated with this task includes only development of the plan and regularly scheduled QA/QC activities. The costs for all other tasks subsume the cost for all other QA/QC efforts.

Exhibit B

Task products include a USACE-approved QA/QC plan and short monthly reports concerning QA/QC activities. The USACE communications protocol for the South Palm Beach Project requires that Taylor Engineering deliver these and all other South Palm Beach Project products to the USACE.

Task 2 Deliverables

Final QA/QC plan

- Five paper copies and one electronic copy in pdf format on CD to the USACE

Monthly QA/QC meetings and reports

- Taylor Engineering will deliver monthly QA/QC reports with the monthly project report (Task 12)

Task 2 Estimated Cost \$ 13,613 (fixed fee)

TASK 3 Prepare Public Participation Plan

The public participation plan defines the stakeholder audience and the means to contact and inform stakeholders about the EIS process, the South Palm Beach Shoreline Protection Project, and EIS progress over the life of the EIS process. The public participation plan includes these elements:

- A list of stakeholders for inclusion in the mailing list for public involvement
- Schedule for the public involvement process. Revisions to the schedule may occur as the South Palm Beach Project develops. The schedule will include the time and place for public meetings including one scoping meeting, one Draft EIS (DEIS) public comment meeting, and Notice of Availability of the Final EIS (FEIS). Taylor Engineering will submit draft public notices to the USACE for review and incorporate USACE comments into the final products. Taylor Engineering, with the agreement of the USACE, intends to publish notices of public meetings in the Palm Beach Post classifieds within the "Announcements" section.

Part of the plan includes participation of a court reporter and deaf interpreter at each public meeting. Taylor Engineering also assumes that no Spanish language requirements apply to the public participation process. If the USACE determines otherwise, we will submit a revised task budget incorporating the cost to develop and publish Spanish language documents to the County.

Task 3 Deliverables

Exhibit B

- Public participation plan and electronic list of stakeholders (five paper copies and one electronic copy in pdf format on CD)
- Initial and as-necessary updated schedule for the public involvement process
- Draft notices in appropriate format (MS Word or pdf) for publication in the Palm Beach Post or other venue identified by the USACE
- Appropriate proof of publication documents

Task 3 Estimated Cost \$ 3,702 (fixed fee)

TASK 4 Prepare and Conduct Scoping Meetings

Taylor Engineering will prepare for and participate in a public scoping meeting and three scoping coordination meetings with state and federal regulatory agencies. Agency scoping coordination meetings with FDEP, Florida Fish and Wildlife Conservation Commission, United States Fish and Wildlife Service, and National Marine Fisheries Service representatives will serve to solicit their concerns as well as their roles and responsibilities in both the completion of the EIS process and the future operation of the proposed actions. The USACE will prepare the public notice (for the public scoping meeting) and Taylor Engineering will arrange for publication of that notice in the Palm Beach Post.

Taylor Engineering will provide the following services:

- Prepare necessary documentation, including display items for the public scoping meeting, and a fact sheet in consultation with the USACE. The materials will describe the proposed South Palm Beach Project and the EIS process.
- Arrange for and oversee publication of the public notice in the Palm Beach Post and Sun Sentinel. Advertisements will appear approximately 14 days and 7 days before the scheduled meeting.
- Mail notices to the list of stakeholders.
- Engage services of a court reporter and interpreter for the deaf for the public meeting.
- Arrange for and participate in agency meetings
- Prepare reports summarizing the public meeting and the agency meetings

The USACE PM has stated that Taylor Engineering should provide an informal format for the public scoping meeting. Two representatives of the Taylor Engineering team (South Palm Beach Project

Exhibit B

Manager and Senior Project Engineer) and one representative from CSA will participate in the public scoping meeting and agency scoping meetings.

Palm Beach County will arrange for the appropriate meeting room and any necessary chairs, tables, loudspeakers, or other equipment necessary to conduct the meetings.

Taylor Engineering will prepare a draft report summarizing the results of agency and public scoping coordination for USACE review. The report shall include

- Transcripts of all four meetings provided by the attending court reporter
- A spreadsheet or other tabular format for compiling and sorting public responses obtained at the public scoping meeting
- A spreadsheet or other tabular format for compiling and sorting agencies' comments obtained at the agency scoping coordination meetings
- Other public or agency scoping comments received by mail
- An evaluation of the issues raised and their recommended disposition – either to continue evaluation as part of EIS or to cease further evaluation

The USACE will review the draft scoping report and provide comments to the Taylor Engineering PM for incorporation into the final report. Taylor Engineering will provide USACE a final report within 10 working days of receiving comments.

Costs for this task include labor to develop presentation materials, participate in the meetings, and prepare draft and final reports. Other direct costs include services of a court reporter, deaf interpreter, copying, and mailing.

Task 4 Deliverables

- 100 copies of Notice of Public Scoping Meeting and Local Issuance
- Scoping Meeting materials and participation
- Draft and final scoping reports
 - Three paper copies and one electronic copy (pdf format) on CD of each the draft and final scoping reports delivered to USACE

Task 4 Estimated Cost \$19,379 (fixed fee)

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TASK 5 Identify Data For and Develop Documentation Necessary for Inter-Agency Coordination to Support Development of Biological Assessments and Essential Fish Habitat Analyses

Task 5 will provide the basis for preliminary drafts of the NEPA-required Biological Assessments (BAs) and Essential Fish Habitat (EFH) evaluation. Taylor Engineering and CSA expect to develop biological assessments for marine turtles, acroporid corals, and piping plover. The beaches of the South Palm Beach Project area are important habitat for marine turtles. The hardbottom in the project area provides important habitat for acroporid corals, and the project area falls within the Florida piping plover consultation area. Draft Biological Assessments will support United States Fish and Wildlife Service (USFWS) consultations with USACE under the Endangered Species Act and will provide a primary source of information for USFWS development of the Biological Opinion (BO) for the project. The BO is the USFWS decision document determining whether the proposed action will affect federally listed species, and what actions or project changes can effectively protect the species from project impacts. Draft EFH evaluation will support USACE consultation with the National Marine Fisheries Service (NMFS). CSA International will perform the majority of the Task 5 efforts, focusing on marine turtle biological assessment, acroporid coral assessment, and EFH evaluations. Taylor Engineering will provide technical support associated with marine turtle nesting, and lead evaluation of shorebird issues and any other issues associated with the beach environment above the mean high water elevation. Taylor Engineering will provide quality control for both Biological Assessment and EFH evaluation documents.

Note that in formulating the scope and costs for this task, we have assumed that existing data will suffice for completion of the Biological Assessment and EFH documents. If the USACE concludes that additional data are required, Taylor Engineering, in consultation with the USACE, will develop appropriate modifications to the Scope of Work and task budget and submit a proposal to the County for the additional work.

The documents developed in this task — after reviews, revisions, and approvals by other federal agencies — will provide the basis for the Biological Opinion or opinions those agencies issue.

USACE staff will review the draft documents and provide comments to the Taylor Engineering PM. Taylor Engineering and CSA will revise the documents based on USACE comments. After final QA/QC

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review, Taylor Engineering will submit the draft preliminary Biological Assessment and EFH documents to the USACE for its use.

Costs associated with this task include Taylor Engineering's labor, copying, and subcontractor charges.

Task 5 Deliverables

- Data and documentation sufficient for development of the necessary Biological Assessments for the project expected to include those for marine turtles, acroporid corals, and piping plover, and possibly other species.
- Data and documentation sufficient for NMFS to assess project impacts to EFH
- Draft Biological Assessment documents
 - Five paper copies and one electronic copy in MS Word and pdf formats on CD
- Draft EFH Evaluation document
 - Five paper copies and one electronic copy in MS Word and pdf formats on CD

Task 5 Estimated Cost \$45,599.50 (fixed fee)

TASK 6 Prepare Description of Proposed Action and Alternatives, and Matrix of Environmental Consequences

Tasks 5 and 6 provide the information necessary to develop the Preliminary Draft EIS (PDEIS). In Task 6, the Taylor Engineering team will assemble and review all other existing data necessary to describe and assess the environmental, historic, economic, and social values that the South Palm Beach Project may affect.

Taylor Engineering will gather information from other state and federal agencies as well as other sources such as the local municipalities and the County to describe baseline conditions and future conditions. Information collection will include a contracted hazardous toxic radioactive waste (HTRW) site search. Taylor Engineering shall coordinate with the USACE to determine the validity of data intended for incorporation into the PDEIS, regardless of the source.

Taylor Engineering will review gathered information to form concise descriptive statements of the proposed activities addressed in the EIS.

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Taylor Engineering will develop a description of proposed actions to include

- Objective(s) of the proposed action
- Alternatives descriptions
- Anticipated metrics to evaluate alternatives
- Identification of resources Taylor Engineering will evaluate in the Environmental Consequences sections of the EIS

USACE staff will review the draft task product and provide comments to the Taylor Engineering PM. Taylor Engineering and CSA will revise the document based on USACE comments. After final QA/QC review, Taylor Engineering will submit a final draft to the USACE. The final draft will become part of the PDEIS.

If during the execution of Task 5 or Task 6 Taylor Engineering identifies any data gap, the PM will report those findings to the USACE PM. The USACE and Taylor Engineering PMs will identify any necessary further action to resolve the data gap or gaps. If the USACE concludes that additional data are required, Taylor Engineering and the USACE will modify the Statement of Work and Taylor Engineering will submit a proposal to the County for the additional work. We will request that the USACE discuss the additional work requirements with the County as part of the project amendment process.

Task 6 Deliverables

- Five paper copies and one electronic copy (MS Word and pdf formats) on CD of the final draft document describing the proposed action and alternatives, and the matrix evaluating environmental consequences of each alternative

Task 6 Estimated Cost \$21,491.50 (fixed fee)

TASK 7 Prepare Preliminary Draft Environmental Impact Statement (PDEIS)

Task 7.1 Submittal No. 1 of PDEIS

The information compiled in Tasks 5 and 6 should allow the Taylor Engineering team to evaluate the proposed actions and alternatives, and demonstrate their compliance with project-related environmental requirements. If during development of the PDEIS Taylor Engineering identifies any data gap, the Taylor

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Exhibit B

Engineering PM will report those findings to the USACE PM. The USACE and Taylor Engineering PMs will identify any necessary further action to resolve the data gap or gaps. If necessary, Taylor Engineering and the USACE will modify the Statement of Work and Taylor Engineering will submit a proposal to the County for the additional work. We will request that the USACE discuss the additional work requirements with the County as part of the project amendment process.

Using information describing the proposed actions and alternatives, baseline environmental information, scoping information, and information resulting from the data gathering tasks and site visits, Taylor Engineering will evaluate the potential impacts anticipated from the proposed action and its alternatives, as defined in the USACE Statement of Work.

Document content will comply with Council on Environmental Quality (CEQ) regulations, Appendix B of 33 CFR 325 and the "How to Write Quality EISs and EAs" manual (third edition) by The Shipley Group, Inc. Taylor Engineering will format the document as prescribed in USACE Jacksonville District templates for an EIS at

http://www.saj.usace.army.mil/Divisions/Planning/Branches/Environmental/DocsNotices_OnLine.htm.

Upon completion of the first draft of the PDEIS, Taylor Engineering will submit five paper copies and one electronic copy of the PDEIS to the USACE for review and comment. Three Taylor Engineering team representatives (the Taylor Engineering South Palm Beach Project Manager and Senior Coastal Engineer and one CSA professional) will meet with the USACE at their offices to discuss revisions to the PDEIS. Participants will discuss the comments and resolve any problems or questions that may arise. The participants will also discuss the Notice of Availability (NOA) required to announce the availability of the DEIS to the public and the upcoming public meeting. The budget provides for a full day (8-hour) meeting.

Task 7.1 Estimated Cost \$107,244 (fixed fee)

Task 7.2 Submittal No. 2 of PDEIS

Taylor Engineering will incorporate all comments into a revised PDEIS and distribute five paper copies and one electronic copy of PDEIS Submittal No. 2 to the USACE for review and approval.

Task 7.2 Estimated Cost \$8,808 (fixed fee)

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Task 7.3 Prepare Draft EIS (DEIS) For Publication

Following USACE review and acceptance of the PDEIS, the Taylor Engineering will prepare the DEIS document. The front cover of the DEIS (and Final EIS), printed on heavier stock suitable for a cover, shall include the title of the document, the USACE date of official release (month and year), and the name "Taylor Engineering, Inc." The same stock will provide the front and back cover material.

Upon USACE approval, Taylor Engineering will reproduce and mail the DEIS to the public. The South Palm Beach Project budget includes a fixed fee cost for reproduction and distribution of up to 100 printed copies and 250 electronic copies (pdf format) on CD.

Task 7.3 Estimated Cost \$5,244 (fixed fee)

Task 7.4 Prepare DEIS Notice of Availability and Public Meeting Notice for Draft EIS and Issue Locally

Taylor Engineering will prepare a draft and final Notice of Availability (NOA) of the DEIS for USACE approval and assumes that the USACE will provide the Environmental Protection Agency with the information necessary to publish the Federal Register Notice. The locally published NOA will provide an abstract of the proposed South Palm Beach Project, and give the location, date, and time of the public meeting for receiving comments on the DEIS.

In consultation with the USACE, Taylor Engineering will

- Prepare a narrative that the USACE and Palm Beach County will use on their Internet sites, as specified in the public participation plan
- Submit the draft narrative and draft NOA to the USACE for approval before public distribution
- Prepare and advertise the NOA information in the non-legal section of the Palm Beach Post and Sun Sentinel. Advertisements will appear approximately 14 days and 7 days before the scheduled meeting.

Publication of the NOA will coincide with the DEIS filing at least 30 days before the public meeting. Taylor Engineering will distribute the NOA to the stakeholder mailing list approximately 30 days before the scheduled meeting.

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Task 7.4 Estimated Cost \$4,360 (fixed fee)

Task 7 Deliverables

- 7.1 PDEIS Submittal #1
 - Five paper copies and one electronic pdf copy on CD
- 7.2 PDEIS Submittal #2
 - Five paper copies and one electronic copy (pdf format) on CD
- 7.3 DEIS for Publication
 - Up to 100 printed copies and 250 electronic copies (pdf format on CD).
- 7.4 Notice of Availability of DEIS and the Public Meeting Notice
 - 100 copies of Notice of Availability of DEIS and Public Meeting Notice
 - South Palm Beach Project Narrative

Task 7 Estimated Cost \$125,656

TASK 8 Hold One Public Meeting On DEIS and Prepare Summary Report Fixed Fee

Taylor Engineering, in consultation with the USACE, will conduct one public meeting for DEIS review. The public meeting will occur no earlier than 30 days after the NOA appears in the Federal Register.

Taylor Engineering will provide the following services for the public meeting:

- Develop and provide graphic displays, including maps and charts
- Schedule and provide all logistic support for the meeting except scheduling the meeting hall and providing furniture (tables, chairs, loudspeakers, etc). Taylor Engineering assumes Palm Beach County will provide the meeting hall and furniture.
- Obtain the services of a court report and deaf interpreter
- Prepare a meeting summary report for USACE review.

At each meeting, a USACE representative will make an opening statement at the public meeting. The Taylor Engineering PM and two other key team personnel (one from Taylor Engineering and one from CSA) will participate in the public meeting to present the proposed action, alternatives, and evaluation framework, and to discuss the probable environmental effects of the proposed action and alternatives.

Exhibit B

Task 8 Deliverables

- Public meeting presentation materials
- Public meeting participation
- Public meeting transcripts (Court Reporter Document)
- Summary Report of Public Meeting
 - Five paper copies and one electronic copy in pdf format on CD

Task 8 Estimated Cost \$11,095 (fixed fee)

TASK 9 Development of the Final Environmental Impact Statement (FEIS)

This task completes the FEIS document including

- Development of responses to public comments on the DEIS,
- Preparation of the Preliminary Final EIS (PFEIS)
- Preparation, notification, and distribution of the Final EIS (FEIS)

Task 9.1 Respond to Public Comments on DEIS (Cost Plus, Not-to-Exceed Maximum)

The Taylor Engineering team will review all public comments received from USACE to identify major components and conflicting comments, and develop a draft outline of methods for responding to the comments. The work will serve to provide a starting point for development of coordinated responses to the comments.

Three members of the Taylor Engineering team (the Taylor Engineering South Palm Beach Project Manager, a Taylor Engineering Senior Coastal Engineer, and a CSA Key Biologist) and USACE staff will meet to coordinate responses to public comments. The USACE will approve all responses before their inclusion in the PFEIS (Task 9.2). Completing the objectives of this meeting will require a full day (8-hour) meeting at the USACE offices.

Taylor Engineering, in consultation with USACE, will develop draft summaries of and responses to public comments on the EIS. The process of drafting the responses includes

- Selection of major comments
- Identification of any conflicting comments
- Methods used for responses and comments

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Exhibit B

Responses to comments may include additional tables, graphics, or additional data for review and incorporation in FEIS text or appendices, as well as corrected text from the DEIS. Taylor Engineering will submit the draft response document for USACE review.

Task 9.1 Estimated Cost \$39,812 (cost plus, not-to-exceed maximum)

Task 9.2 Coordinate Final Responses to Comments and Prepare Preliminary Final EIS Submittal # 1 (PFEIS) (Fixed Fee)

The USACE will review the products of Task 9.1 and provide Taylor Engineering comments and suggested revisions on those products. The Taylor Engineering team will

- Make any final revisions to the PFEIS and to comment responses requested by the USACE
- Incorporate approved revisions and responses to comments into a PFEIS.
- Provide five paper copies and one electronic copy of the PFEIS to the USACE for review and approval.

Task 9.2 Estimated Cost \$12,307.50 (fixed fee)

Task 9.3 Submittal No. 2 of PFEIS and USACE Review

Taylor Engineering will incorporate all comments received from the USACE into a distribution-ready copy of the PFEIS for final USACE review and approval. Taylor Engineering will furnish five paper copies and one electronic copy of the PFEIS to the USACE for final review and approval.

Task 9.3 Estimated Cost \$1,116 (fixed fee)

Task 9.4 Prepare Final Environmental Impact Statement for Publication

Taylor Engineering will execute this task in the same manner as the task for preparing the Draft EIS for distribution (Task 7.3). Taylor Engineering will

- Prepare a draft and final NOA of the FEIS for USACE approval before public distribution
- Prepare a narrative that the USACE and County will use on their Internet sites, as specified in the public participation plan

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Exhibit B

- Prepare and distribute the FEIS document. The front cover shall include the title of the document, the USACE date of official release (month and year), and the name "Taylor Engineering, Inc."
- Provide five printed copies and an electronic copy of the FEIS to the USACE.

Task 9.4 Estimated Cost \$6,378.10 (fixed fee)

Task 9.5 Prepare Final Environmental Impact Statement Notice of Availability and Issue Locally

Taylor Engineering will perform the same tasks to prepare and distribute the NOA for the FEIS as it did for the NOA for the DEIS (Task 7.4) including preparation of the draft and final NOA, and local publication

Taylor Engineering will

- Publish and distribute the NOA to the public at the same time the USACE files the FEIS with USEPA. Publication will occur once in two newspapers, the Palm Beach Post and Sun Sentinel.

The USACE will file the FEIS with USEPA. A 30-day waiting period for the FEIS will provide for external review and submission of comments. The waiting period will extend 30 calendar days after EPA's NOA appears in the Federal Register.

Taylor Engineering will respond to any comments received on the FEIS in draft and final letter format after consulting with the USACE on the contents of the responses. Taylor Engineering will then provide for USACE final review the original final letters of response for inclusion in the Record of Decision.

Task 9.5 Estimated Cost \$5,069 (fixed fee)

Task 9 Deliverables

9.1 Draft Responses to Comments

- Five paper copies, one electronic copy in MS Word format on CD of the draft responses to comments submitted to USACE

9.2 Prepare PFEIS Submittal #1

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- Five paper copies and one electronic copy in MS Word format on CD of the PFEIS Submittal #1 submitted to USACE

9.3 Preliminary Final EIS Submittal #2

- Five paper copies and one electronic copy in WORD format on CD of the PFEIS Submittal #2 submitted to USACE

9.4 Prepare FEIS for Publication

- One electronic copy of the NOA in pdf format on CD
- Two electronic copies of the Project Narrative in WORD and pdf formats on CD
- Up to 100 paper and 250 electronic copies (pdf format on individual CDs) for stakeholders
- Five paper copies and one electronic copy in WORD format on CD submitted to USACE

9.5 Prepare FEIS NOA; Issue Locally

- Distribute up to 100 copies of NOA to stakeholders

Task 9 Estimated Cost \$64,682.60

TASK 10 Prepare Draft Record of Decision

Taylor Engineering will draft a preliminary Record of Decision (ROD) for USACE use. The USACE will prepare the final Record of Decision and will retain responsibility for publication in the Federal Register of the ROD notice of availability.

Task 10 Deliverables

Preliminary Record of Decision

- Five paper copies and one electronic copy (WORD format) on CD of the preliminary ROD delivered to USACE

Task 10 Estimated Cost \$2,125 (fixed fee)

TASK 11 Maintain and Provide Administrative Record and Document EIS-Related Communications

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The Administrative Record, the entirety of the information relied upon to prepare and assemble the EIS, includes all information and analyses either generated by the South Palm Beach Project team or obtained from other sources, or other information used to support documentation and analyses. The EIS Administrative Record does not have to include information listed in the references of documents used to prepare the EIS.

Taylor Engineering will prepare and assemble the Administrative Record including all information available for development of the EIS. Taylor Engineering will furnish the Administrative Record to the USACE after issuance of the FEIS.

For this task, Taylor Engineering will

- Organize the information composing the Administrative Record as accessible electronic files, indexed by topic to the extent possible, and submit this record to the USACE. These files will include documentation of communications between the Taylor Engineering and USACE, including emails, information, and phone logs.
- Develop and provide a supplemental Administrative Record that provides a record of the transactions related to the receipt and drafting of responses to the comments on the FEIS.

Taylor Engineering will maintain these records in database formats compatible with USACE software.

Task 11 Deliverables

- One electronic copy of Administrative and Supplemental Administrative Records on CD. File formats for both deliverables are expected to include (but may not be limited to) those associated with Microsoft Office (WORD, EXCEL, ACCESS, and MSProject) software, email messages, .pdf, and .rtf (rich text file).

Task 11 Estimated Cost \$13,866 (fixed fee)

TASK 12 Prepare Monthly Progress Reports

The monthly progress report includes a summary of work progress, percent of completion by task, and task schedule monitoring, including any recommended schedule changes based on the previous month's events. As necessary, we will also include any newly required tasks or proposed scope changes. We will

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develop one report for the USACE, which will not include budget information, and one for the County that will include task budget "burn" rate and significant variance of the burn rate from the burn rate projected in the previous month progress report. We do not expect steady rates of completion for the various tasks; therefore, we will identify the specific activities for each task and as necessary discuss why tasks differ from anticipated schedules or budgets. The monthly report will also include the QA/QC report provided by the lead QA/QC officer.

Taylor Engineering will submit the first monthly progress report to the USACE 30 days after execution of the Work Order. Taylor Engineering shall submit subsequent monthly progress reports around the last working day of each month.

Task 12 Deliverables – Monthly Progress Reports

- One electronic copy in pdf format on CD each month

Task 12 Estimated Cost \$8,677.50 (fixed fee)

TASK 13 Participate in Progress Review Meetings and Unscheduled Meetings**Task 13.1 Participate in Four Progress Review Meetings**

Taylor Engineering will, in consultation with the USACE, schedule, and conduct progress review meetings (approximately four) at important points within the EIS schedule. Taylor Engineering will also prepare summaries of the progress review meetings for submittal to the USACE.

These meetings will:

- Occur in the USACE office in West Palm Beach or other nearby location
- Require one day per meeting
- Require attendance of three team members (the Taylor Engineering South Palm Beach Project Manager, a Taylor Engineering Senior Coastal Engineer, and either the CSA Project Manager or Senior Scientist) to address major issues and environmental impacts.

Task 13.1 Estimated Cost \$13,568.00 (fixed fee)

Task 13.2 Participate in Up To Three Unscheduled (Ad-Hoc) Project Meetings

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The USACE has reserved the right to request unscheduled meetings with the key Taylor Engineering team members to review and discuss the progress and to discuss any problems or concerns that may arise. The Taylor Engineering PM may also request meetings with the USACE. The budget for this task assumes three unscheduled meetings during the course of the South Palm Beach Project. The Taylor Engineering team's participation in any ad-hoc meetings will require written authorization from the County. The cost estimate for this subtask includes participation by up to three team members (the Taylor Engineering South Palm Beach Project Manager, a Taylor Engineering Senior Coastal Engineer, and either the CSA Project Manager or Senior Scientist). Taylor Engineering will request that the USACE South Palm Beach Project manager also coordinate with the County when making ad-hoc meeting requests. If the County does not approve the meeting request, the County will contact the USACE South Palm Beach Project manager in a timely fashion to convey that decision.

Task 13.2 Estimated Cost \$9,133.75 (cost plus, not-to-exceed maximum)

Task 13 Deliverables

- 13.1 Participate in Four Progress Review Meetings
 - Five paper copies and one electronic copy in pdf format on CD of Progress Review Meeting Summaries for each meeting
- 13.2 Participate in up to Three Ad-Hoc Project Meetings
 - Five paper copies and one electronic copy in pdf format on CD of Ad-Hoc Meeting Summaries for each meeting.

TASK 14 Develop And Maintain A Bibliography Of Acronyms And References And Mailing List

Task 14 provides for development of the South Palm Beach EIS bibliography and acronyms lists. Taylor Engineering will maintain these products in electronic format compatible with USACE software and print them as necessary. The USACE will receive electronic copies of the final bibliography and acronyms list as part of the final products package.

Taylor Engineering will develop and maintain an updated bibliography, with data sources and reports noted. The DEIS and subsequent document revisions will include the bibliography.

- The bibliography will include only those references used in the EIS.

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- The Administrative Record will include copies of materials referenced in the EIS.

In consultation with the USACE (see Task 3 above), Taylor Engineering will maintain a current mailing list. The list will include all interested or affected agencies, interested parties, various news media and public libraries throughout the area of environmental impact, and information on individuals commenting during the scoping process or during public review of the DEIS. Taylor Engineering assumes that Palm Beach County will provide most of the names for the initial mailing list from existing sources, and that Taylor Engineering, in consultation with the USACE, will complete the initial list. Over the course of the South Palm Beach Project, Taylor Engineering will maintain and modify the list as necessary

Task 14 Deliverables

- One electronic copy on CD of:
 - Bibliography (MS Word format)
 - Acronym list (MS Word format)
 - Mailing list (Access or Excel format)

Task 14 Estimated Cost \$4,321 (fixed fee)

End Scope of Work

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Exhibit B**South Palm Beach Shoreline Protection Project EIS Schedule**

This schedule provides a preliminary timetable for development of an EIS for the South Palm Beach Shoreline Protection Project. The schedule provides an optimistic and aggressive timetable for project performance. The USACE will approve a final schedule for the project as part of Task 1. Please note that the schedule below does not show all deliverable details but focuses on final products and key activities for each task. Please note that the schedule does not show some items, such as progress meetings, that the USACE will schedule at times of their preference.

**South Palm Beach Shoreline Protection Project Environmental Impact Statement
Key Deliverables and Deliverable Dates**

Task	Deliverable	Deliverable Date
1	Draft Statement of Work	17 April 2009
1	Complete Final Statement of Work and Communication Protocol	1 May 2009
2	Complete Final QA/QC Plan	1 May 2009
3	Complete Public Participation Plan	1 May 2009
	Federal Register Publication of Notice of Intent to Prepare an Environmental Impact Statement (Federal Register – USACE Responsibility)	22 May 2009
4	Mail Notice of Intent and Public Scoping Meeting Notice to Stakeholders	22 May 2009
4	Advertise Public Scoping Meeting	10 June 2009 17 June 2009
4	Conduct Scoping Meeting	25 June 2009
4	Submit Final Scoping Report to USACE	3 August 2009
5	Submit Completed BA and EFH Documents to USACE	29 September 2009
6	Complete Descriptions - Proposed Actions, Alternatives, Environmental Evaluation Matrix	5 October 2009
7.1	Submit Preliminary Draft EIS #1 to USACE	30 November 2009
7.1	PDEIS Submittal #1 Review meeting	8 January 2010
7.2	Submit Draft EIS to USACE	5 February 2010
7.3	Submit Final Notice of Availability to USACE	3 February 2010

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Exhibit B

**South Palm Beach Shoreline Protection Project Environmental Impact Statement
Key Deliverables and Deliverable Dates**

Task	Deliverable	Deliverable Date
	Federal Register Filing Date (USACE responsibility)	24 February 2010
7.4	Mail DEIS to Stakeholders	14 February 2010
7.4	Draft and Issue Locally the Notice of Availability of DEIS and Public Meeting Notice	10 March 2010 17 March 2010
8	Public Comment Meeting	25 March 2010
8	Submit Public Meeting Transcripts and Public Meeting Summary Report to USACE	16 April 2010
9.1	Meet with USACE to Develop Response Strategies	16 April 2010
9.1	Submit Draft Responses to Comments to USACE	7 May 2010
9.2	Submit Preliminary Final EIS #1 Incorporating approved Responses to Comments and PFEIS revisions to USACE	27 May 2010
9.2	Submit Preliminary Final EIS #2 to USACE	17 June 2010
9.3	Submit Final EIS to USACE	23 July 2010
9.4	Publish Local Notice of Availability of FEIS and locally Issue Notice of Availability	August 6, 2010
	Publish Notice of Availability of FEIS in Federal Register (USACE Responsibility)	August 6 2010
9.5	Print and Mail FEIS	13 August 2010
	30 Day FEIS Comment Period End	3 September 2010
10	Submit Draft FEIS Comment Responses and Draft Record of Decision to USACE	20 September 2010
10	Submit Complete Draft Record of Decision Document to USACE	18 October 2010
11	Submit Completed Administrative Record to USACE	1 November 2010
11	Submit Supplemental Administrative Record and Supplemental Administrative Record to USACE	1 November 2010
12	Monthly Progress Reports (#)	Monthly
13	Submit Summaries of Progress Review Meetings and Unscheduled Meetings to USACE	As Required

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Exhibit B

**South Palm Beach Shoreline Protection Project Environmental Impact Statement
Key Deliverables and Deliverable Dates**

Task	Deliverable	Deliverable Date
14	Submit Final Bibliography of Acronyms, References, Data Sources, and Mailing Lists to USACE	1 November 2010

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

I. LABOR COST

Description	Man-Hours												Cost
	CEO	Pres	VP	Sr Adv	Director	Sr Prof	Proj Prof	Prof	Sr Edit	Sr Tech	Tech	Admin	
Hourly Burdened Rate	247.00	186.00	185.00	144.00	125.00	103.00	103.00	73.00	85.00	85.00	58.00	43.00	
Task 1: Develop Statement of Work Fixed Fee													
1.1 Draft Statement of Work					16.0							1.0	2,043.00
1.2 Revise Statement after USACE Review					8.0							1.0	1,043.00
1.3 Develop Microsoft Project Schedule					8.0							1.0	1,043.00
1.4 Final Printing and Submission					1.0	2.0						2.0	417.00
1.5 QA/QC Review			2.0						4.0				710.00
Task 1 Totals			2.0		33.0	2.0			4.0			5.0	5,256.00
Task 2: Develop and Implement QA/QC Plan Fixed Fee													
2.1 Draft QA/QC Plan			2.0		8.0				1.0			1.0	1,468.00
2.2 Revise Plan after USACE Review					2.0								250.00
2.3 QA/QC Review of Plan			1.0						1.0			1.0	303.00
2.4 Monthly QC Meetings			18.0			54.0							8,532.00
2.5 Monthly QC Reports			9.0			5.0			5.0			6.0	2,733.00
Task 2 Totals			30.0		10.0	59.0			7.0			8.0	13,286.00
Task 3: Public Participation Plan Fixed Fee													
3.1 Develop Draft Plan					4.0	8.0						1.0	1,367.00
3.2 Develop Stakeholder Database						4.0						8.0	756.00
3.3 Develop Schedule for Mailing and Public Noticing					1.0	2.0							331.00
3.4 QA/QC			2.0						2.0				520.00
3.5 Revise after USACE Review					1.0	2.0						1.0	374.00
Task 3 Totals			2.0		6.0	16.0			2.0			10.0	3,348.00
Task 4: Public Scoping Meeting fixed Fee													
4.1 Publish Notice of Intent, Mail Notice of Intent						1.0						4.0	275.00
4.2 Prepare Scoping Presentation Materials					4.0	16.0				4.0		8.0	2,832.00
4.3 Coordinate and conduct scoping and agency meetings (2 staff/4 meets)					19.0	19.0							4,332.00
4.4 Prepare Draft Scoping Reports					4.0	12.0			2.0			2.0	2,012.00
4.5 Prepare Final Scoping Reports					4.0	4.0						1.0	955.00
4.6 QA/QC			2.0						2.0				520.00
Task 4 Totals			2.0		31.0	52.0			4.0	4.0		15.0	10,926.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

I. LABOR COST

Description	Man-Hours												Cost
	CEO	Pres	VP	Sr Adv	Director	Sr Prof	Proj Prof	Prof	Sr Edit	Sr Tech	Tech	Admin	
Hourly Burdened Rate	247.00	186.00	165.00	144.00	125.00	103.00	103.00	73.00	95.00	85.00	58.00	43.00	
Task 5: Identify Necessary Data, Data Gaps, BA and EFH Documents Fixed Fee													
5.1 Compile and Review Available Data					4.0	16.0						8.0	2,492.00
5.2 Identify Data Gaps					2.0	8.0							1,074.00
5.3 Review CSA draft Documents					2.0	16.0							1,898.00
5.4 Draft BA Documents - Turtles, shorebirds					2.0	24.0							2,722.00
5.5 Revise after USACE review					2.0	8.0							1,074.00
5.6 QA/QC			8.0						16.0				2,840.00
Task 5 Totals			8.0		12.0	72.0			16.0			8.0	12,100.00
Task 6: Prepare Actions, Alternatives, and Environmental Matrix Fixed Fee													
6.1 Compile and Review Available Data					4.0	40.0		60.0				4.0	9,172.00
6.2 Draft Descriptions and Matrix					4.0	24.0		40.0				2.0	5,978.00
6.3 Revise after USACE Review					2.0	8.0						1.0	1,117.00
6.4 QA/QC			2.0						4.0				710.00
Task 6 Totals			2.0		10.0	72.0		100.0	4.0			7.0	16,977.00
Task 7.1: Submittal #1 of PDEIS Fixed Fee													
7.1.1 Draft PDEIS					24.0	140.0	140.0			8.0	40.0	4.0	35,012.00
7.1.2 Format PDEIS and submit for review					2.0	8.0			16.0		4.0	8.0	3,170.00
7.1.3 Preliminary PDEIS Meeting					8.0	8.0						1.0	1,867.00
7.1.4 QA/QC			16.0		16.0				40.0				8,440.00
Task 7.1 Totals			16.0		50.0	156.0	140.0		56.0	8.0	44.0	13.0	48,489.00
Task 7.2: Submittal #2 of PDEIS Fixed Fee													
7.2.1 Revise PDEIS Submittal #1					4.0	40.0				4.0	16.0	1.0	5,931.00
7.2.2 Print and Distribute PDEIS Copies to USACE						2.0						6.0	464.00
7.2.3 Prepare documents for mailing						1.0						2.0	189.00
7.2.4 QA/QC			4.0		4.0				8.0				1,920.00
Task 7.2 Totals			4.0		8.0	43.0			8.0	4.0	16.0	9.0	8,504.00
Task 7.3: Prepare DEIS for Publication Fixed Fee													
7.3.1 Oversee printing / reproduction						1.0						4.0	275.00
7.3.2 Prepare docs for mailing and Mail						1.0						8.0	447.00
Task 7.3 Totals						2.0						12.0	722.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

I. LABOR COST

	Man-Hours												
Description	CEO	Pres	VP	Sr Adv	Director	Sr Prof	Proj Prof	Prof	Sr Edit	Sr Tech	Tech	Admin	Cost
Hourly Burdened Rate	247.00	188.00	165.00	144.00	125.00	103.00	103.00	73.00	95.00	85.00	58.00	43.00	
Task 7.4: Prepare DEIS Notice of Availability and Public Meeting Notices Fixed Fee													
7.4.1 Draft NOA for USACE Review					1.0	4.0						1.0	580.00
7.4.2 Revise NOA per USACE Comments					1.0	2.0							331.00
7.4.3 Publish NOA in local paper (PB Post)												1.0	43.00
7.4.4 Distribute NOA to Mailing list					1.0	2.0			1.0			6.0	684.00
7.4.5 QA/QC			1.0						1.0				260.00
Task 7.4 Totals			1.0		3.0	8.0			2.0			8.0	1,898.00
Task 8: Conduct One Public Comment Meeting and Prepare Report Fixed Fee													
8.1 Prepare Meeting Materials					4.0	16.0						8.0	2,492.00
8.2 Coordinate Deaf and Court Reporter Services						1.0						4.0	275.00
8.3 Participate in Public Meeting					7.0	7.0						2.0	1,682.00
8.4 Prepare Meeting Summary Report					2.0	6.0						3.0	997.00
8.5 Revise report after USACE Review					1.0	4.0						3.0	666.00
8.6 QA/QC			2.0						4.0				710.00
Task 8 Totals			2.0		14.0	34.0			4.0			20.0	6,822.00
Task 9.1: Respond to Public Comments - Cost Plus, Not to Exceed													
9.1.1 Draft Comment Responses					16.0	60.0	60.0				16.0	2.0	15,374.00
9.1.2 Meet with USACE to Coordinate Responses					8.0	8.0						2.0	1,910.00
9.1.3 Revise Draft Responses					8.0	12.0					4.0	2.0	2,554.00
9.1.4 QA/QC			8.0						8.0				2,080.00
Task 9.1 Totals			8.0		32.0	80.0	60.0		8.0		20.0	6.0	21,918.00
Task 9.2: Coordinate Final Responses and Prepare PFEIS Submittal #1 Fixed Fee													
9.2.1 Include final response document into PFEIS					4.0	16.0					4.0		2,380.00
9.2.2 Copy and provide PFEIS to USACE for review						1.0						4.0	275.00
9.2.3 Revise PFEIS based on USACE Comments, resubmit					8.0	16.0						2.0	2,734.00
9.2.4 QA/QC			8.0						4.0				1,700.00
Task 9.2 Totals			8.0		12.0	33.0			4.0		4.0	6.0	7,089.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

I. LABOR COST

Description	Man-Hours												Cost
	CEO	Pres	VP	Sr Adv	Director	Sr Prof	Proj Prof	Prof	Sr Edit	Sr Tech	Tech	Admin	
Hourly Burdened Rate	247.00	186.00	165.00	144.00	125.00	103.00	103.00	73.00	95.00	65.00	58.00	43.00	
Task 9.3: Submittal #2 PFEIS and USACE Review - Fixed Fee													
9.3.1 Make final revisions to PFEIS					1.0	4.0							537.00
9.3.2 Prepare Distribution Ready PFEIS Copy and submit						1.0						4.0	275.00
Task 9.3 Totals					1.0	5.0						4.0	812.00
Task 9.4: Prepare FEIS Fixed Fee													
9.4.1 Prepare NOA and project narrative						6.0							618.00
9.4.2 Revise NOA and Project Narrative					1.0	2.0							331.00
9.4.3 Oversee printing/Reproduction						1.0						4.0	275.00
9.4.4 Prepare FEIS for mailing and Mail												8.0	344.00
9.4.5 QA/QC									1.0				95.00
Task 9.4 Totals					1.0	9.0			1.0			12.0	1,663.00
Task 9.5: Prepare FEIS NOA and Issue NOA and FEIS Fixed Fee													
9.5.1 Draft responses to comments on FEIS					4.0	16.0					4.0	1.0	2,423.00
9.5.2 Revise Comment responses on FEIS after USACE review					2.0	4.0					2.0	1.0	821.00
9.5.3 QA/QC			2.0						2.0				520.00
9.5.4 Publish NOA in local paper (PB Post)												1.0	43.00
Task 9.5 Totals			2.0		6.0	20.0			2.0		6.0	3.0	3,807.00
Task 10: Prepare Draft Record of Decision Fixed Fee													
10.1 Prepare Draft Record of Decision					5.0	10.0						1.0	1,696.00
10.2 QA/QC			1.0						2.0			1.0	396.00
Task 10 Totals			1.0		5.0	10.0			2.0			2.0	2,096.00
Task11: Develop and Maintain Administrative and Document Records Fixed Fee													
11.1 Design and Develop ACCESS and EXCEL databases					1.0	6.0							743.00
11.2 Maintain databases and document repository (electronic and paper)					1.0	36.0						72.0	6,928.00
11.3 Develop Draft Supplemental Admin Record					1.0	8.0						8.0	1,293.00
11.4 QA/QC			4.0		4.0	8.0			2.0				2,174.00
Task11 Totals			4.0		7.0	58.0			2.0			80.0	11,139.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

I. LABOR COST

Description	Man-Hours												
Hourly Burdened Rate	CEO	Pres	VP	Sr Adv	Director	Sr Prof	Proj Prof	Prof	Sr Edit	Sr Tech	Tech	Admin	Cost
	247.00	188.00	165.00	144.00	125.00	103.00	103.00	73.00	95.00	85.00	58.00	43.00	
Task 12: Monthly Progress Reports Fixed Fee													
12.1 Prepare and Submit Monthly Progress Reports					9.0	36.0						12.0	5,349.00
12.2 QA/QC			9.0						4.5				1,912.50
Task 12 Totals			9.0		9.0	36.0			4.5			12.0	7,261.50
Task 13.1: Progress Review Meetings (4) Fixed Fee													
13.1.1 Participate in Progress Review Meetings (4)					32.0	40.0						4.0	8,292.00
13.1.2 Summary Reports of Meetings					2.0	8.0							1,074.00
13.1.3 QA/QC			4.0						4.0				1,040.00
Task 13.1 Totals			4.0		34.0	48.0			4.0			4.0	10,406.00
Task 13.2: Ad-Hoc Meetings (3)- Optional Task Cost Plus, Not to Exceed													
13.2.1 Ad Hoc Meeting Participation					24.0	24.0						3.0	5,601.00
13.2.2 Summary Reports of Ad-hoc Meetings					6.0							1.5	814.50
13.2.3 QA/QC of meeting reports									1.5				142.50
Task 13.2 Totals					30.0	24.0			1.5			4.5	6,558.00
Task 14: Develop and Maintain Bibliographies of Acronyms and References Fixed Fee													
14.1 Develop and Maintain Acronym List					1.0	8.0						8.0	1,293.00
14.2 Develop and Maintain Reference List					1.0	8.0						8.0	1,293.00
14.3 QA/QC			2.0						4.0				710.00
Task 14 Totals			2.0		2.0	16.0			4.0			16.0	3,296.00
LABOR TOTALS — HOURS			107.0		316.0	855.0	200.0	100.0	140.0	16.0	90.0	264.5	2,088.5
LABOR TOTALS — COST			17,855.00		39,500.00	88,065.00	20,600.00	7,300.00	13,300.00	1,360.00	5,220.00	11,373.50	\$204,373.50

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TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

II. OTHER DIRECT COSTS

Description	Quantity	Unit Cost	Direct Cost	Burden	Burdened Cost	Task or Subtask Cost
Task 1: Develop Statement of Work Fixed Fee						
Subcontractor CSA	1.0	626.00	626.00	1.00	626.00	
Copying Costs (3 copies, 30 pages each)	90.0	0.15	13.50	1.00	13.50	
CD Label and Copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (First Class)	1.0	5.00	5.00	1.00	5.00	
Other Direct Costs Task 1						646.00
Task 2: Develop and Implement QA/QC Plan Fixed Fee						
Subcontractor CSA	1.0	313.00	313.00	1.00	313.00	
Copying Costs (5 copies, 10 pages each)	50.0	0.15	7.50	1.00	7.50	
CD Label and Copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (First Class)	1.0	5.00	5.00	1.00	5.00	
Other Direct Costs Task 2						327.00
Task 3: Public Participation Plan Fixed Fee						
Subcontractor CSA	1.0	340.00	340.00	1.00	340.00	
Copying Costs (5 copies, 10 pages each)	50.0	0.15	7.50	1.00	7.50	
CD Label and Copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (First Class)	1.0	5.00	5.00	1.00	5.00	
Other Direct Costs Task 3						354.00
Task 4: Public Scoping Meeting fixed Fee						
Subcontractor CSA	1.0	3,752.00	3,752.00	1.00	3,752.00	
Deaf Interpreter	5.0	40.00	200.00	1.00	200.00	
Court Reporter Services	1.0	3,195.00	3,195.00	1.00	3,195.00	
Notice mailing first class	100.0	0.42	42.00	1.00	42.00	
Notice copy costs	100.0	0.15	15.00	1.00	15.00	
Notice envelopes	100.0	0.05	5.00	1.00	5.00	
Newspaper advertisement	4.0	300.00	1,200.00	1.00	1,200.00	
Draft Scoping Meeting Report (3 @20 pp)	60.0	0.15	9.00	1.00	9.00	
Draft Scoping report Meeting (CD copy)	1.0	1.50	1.50	1.00	1.50	
Mailing Draft Scoping meeting (3 copies)	1.0	5.00	5.00	1.00	5.00	
Final Scoping Meeting Report (3 @20 pp)	60.0	0.15	9.00	1.00	9.00	
Final Scoping Meeting Report (CD Copy)	1.0	1.50	1.50	1.00	1.50	
Mailing Final Scoping Meeting and Official Court Report (3)	1.0	18.00	18.00	1.00	18.00	
Other Direct Costs Task 4						8,453.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

II. OTHER DIRECT COSTS

Description	Quantity	Unit Cost	Direct Cost	Burden	Burdened Cost	Task or Subtask Cost
Task 5: Identify Necessary Data, Data Gaps, BA and EFH Data						
Subcontractor CSA	1.0	33,431.00	33,431.00	1.00	33,431.00	
Copying Costs BA's(5 copies, 50 pages@)	250.0	0.15	37.50	1.00	37.50	
Copying Costs EFH (5 copies 30 page@)	150.0	0.15	22.50	1.00	22.50	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Parcel Post)	1.0	7.00	7.00	1.00	7.00	
Other Direct Costs Task 5						33,499.50
Task 6: Prepare Actions, Alternatives, and Environmental Monitoring						
Subcontractor CSA	1.0	3,991.00	3,991.00	1.00	3,991.00	
HTRW Radius search	1.0	500.00	500.00	1.00	500.00	
Draft document (5 copies, 20 pages each)	100.0	0.15	15.00	1.00	15.00	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Parcel Post)	1.0	7.00	7.00	1.00	7.00	
Other Direct Costs Task 6						4,514.50
Task 7.1: Submittal #1 of PDEIS Fixed Fee						
Subcontractor CSA	1.0	58,451.00	58,451.00	1.00	58,451.00	
Copying costs PDEIS	5.0	27.75	138.75	1.00	138.75	
Copying costs PDEIS Appendix	5.0	27.75	138.75	1.00	138.75	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Fed-Ex)	1.0	25.00	25.00	1.00	25.00	
Other Direct Costs Task 7.1						58,755.00
Task 7.2: Submittal #2 of PDEIS Fixed Fee						
Copying costs PDEIS	5.0	27.75	138.75	1.00	138.75	
Copying costs PDEIS Appendix	5.0	27.75	138.75	1.00	138.75	
CD label copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Fed-Ex)	1.0	25.00	25.00	1.00	25.00	
Other Direct Costs Task 7.2						304.00
Task 7.3: Prepare DEIS for Publication Fixed Fee						
Copying Costs DEIS	100.0	16.36	1,636.00	1.00	1,636.00	
Copying Costs DEIS Appendix	100.0	16.36	1,636.00	1.00	1,636.00	
CD Reproduction - 250	250.0	1.50	375.00	1.00	375.00	
Mailing Costs (Parcel Post)	100.0	5.00	500.00	1.00	500.00	
Mailing Costs (first class) (CD copy DEIS)	250.0	1.50	375.00	1.00	375.00	
Other Direct Costs Task 7.3						4,522.00
Task 7.4: Prepare DEIS Notice of Availability and Public Meeting						
Mailing Costs (first class)	100.0	0.42	42.00	1.00	42.00	
Copying Costs Notice	100.0	0.15	15.00	1.00	15.00	
Notice envelopes	100.0	0.05	5.00	1.00	5.00	
Newspaper advertisement	4.0	600.00	2,400.00	1.00	2,400.00	
Other Direct Costs Task 7.4						2,462.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

II. OTHER DIRECT COSTS

Description	Quantity	Unit Cost	Direct Cost	Burden	Burdened Cost	Task or Subtask Cost
Task 8: Conduct One Public Comment Meeting and Prepare						
Subcontractor CSA	1.0	851.00	851.00	1.00	851.00	
Deaf Interpreter	5.0	40.00	200.00	1.00	200.00	
Court Reporter Services	1.0	3,195.00	3,195.00	1.00	3,195.00	
Copying Costs Public Meeting Summary (5 copies, 10 ps	50.0	0.15	7.50	1.00	7.50	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs Report (5 copies), Official Court Report, CD	1.0	18.00	18.00	1.00	18.00	
Other Direct Costs Task 8						4,273.00
Task 9.1: Respond to Public Comments - Cost Plus, Not to E						
Subcontractor CSA	1.0	17,849.00	17,849.00	1.00	17,849.00	
Copying Costs Draft Response to Comments)5 copies, 50	250.0	0.15	37.50	1.00	37.50	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing (Parcel Post)	1.0	6.00	6.00	1.00	6.00	
Other Direct Costs Task 9.1						17,894.00
Task 9.2: Coordinate Final Responses and Prepare PFEIS S						
Subcontractor CSA	1.0	4,917.00	4,917.00	1.00	4,917.00	
Copying costs PFEIS	5.0	27.25	136.25	1.00	136.25	
Copying costs PFEIS appendix	5.0	27.75	138.75	1.00	138.75	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Fed-Ex)	1.0	25.00	25.00	1.00	25.00	
Other Direct Costs Task 9.2						5,218.50
Task 9.3: Submittal #2 PFEIS and USACE Review - Fixed Fe						
Copying costs PFEIS	5.0	27.75	138.75	1.00	138.75	
Copying costs PFEIS appendix	5.0	27.75	138.75	1.00	138.75	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
Mailing costs (Fed-Ex)	1.0	25.00	25.00	1.00	25.00	
Other Direct Costs Task 9.3						304.00
Task 9.4: Prepare FEIS Fixed Fee						
Copying Costs FEIS (FEIS)	105.0	16.36	1,717.80	1.00	1,717.80	
Copying Costs FEIS Appendix	105.0	16.36	1,717.80	1.00	1,717.80	
CD Reproduction - 250	250.0	1.50	375.00	1.00	375.00	
Mailing Costs (Parcel Post)	100.0	5.00	500.00	1.00	500.00	
Mailing Costs (first class) (CD copy DEIS)	250.0	1.50	375.00	1.00	375.00	
CD label and copy (NOA and FEIS)	1.0	1.50	1.50	1.00	1.50	
CD label and copy (Project Narrative)	2.0	1.50	3.00	1.00	3.00	
Mailing costs (Fed-Ex)	1.0	25.00	25.00	1.00	25.00	
Other Direct Costs Task 9.4						4,715.10
Task 9.5: Prepare FEIS NOA and Issue NOA and FEIS Fixer						
Newspaper advertisement of NOA	2.0	600.00	1,200.00	1.00	1,200.00	
Mailing Costs (first class) (NOA)	100.0	0.42	42.00	1.00	42.00	
Copying Costs (NOA)	100.0	0.15	15.00	1.00	15.00	
Notice envelopes	100.0	0.05	5.00	1.00	5.00	
Other Direct Costs Task 9.5						1,257.00

TAYLOR ENGINEERING, INC.
COST SUMMARY
P2007-148: SOUTH PALM BEACH COUNTY EIS

II. OTHER DIRECT COSTS

Description	Quantity	Unit Cost	Direct Cost	Burden	Burdened Cost	Task or Subtask Cost
Task 10: Prepare Draft Record of Decision Fixed Fee						
Copying Costs ROD (5 copies, 30 pages each)	150.0	0.15	22.50	1.00	22.50	
CD label and copy ROD	1.0	1.50	1.50	1.00	1.50	
Mailing Costs (Parcel Post)	1.0	5.00	5.00	1.00	5.00	
Other Direct Costs Task 10						29.00
Task 11: Develop and Maintain Administrative and Document						
Subcontractor CSA	1.0	2,724.00	2,724.00	1.00	2,724.00	
CD copy of Administrative Record	1.0	1.50	1.50	1.00	1.50	
Mailing Costs CD (first class)	1.0	1.50	1.50	1.00	1.50	
Other Direct Costs Task 11						2,727.00
Task 12: Monthly Progress Reports Fixed Fee						
Subcontractor CSA	1.0	1,362.00	1,362.00	1.00	1,362.00	
CD label and copy (18)	18.0	1.50	27.00	1.00	27.00	
Mailing Costs CDs (first class)	18.0	1.50	27.00	1.00	27.00	
Other Direct Costs Task 12						1,416.00
Task 13.1: Progress Review Meetings (4) Fixed Fee						
Subconsultant CSA	1.0	3,133.00	3,133.00	1.00	3,133.00	
Copying Costs Meeting Summaries (5 copies, 5 pages each)	100.0	0.15	15.00	1.00	15.00	
Mailing Costs (first class) (Reports and CDs)	4.0	2.00	8.00	1.00	8.00	
CD label and copy	4.0	1.50	6.00	1.00	6.00	
Total Other Direct Costs Task 13.1						3,162.00
Task 13.2: Ad-Hoc Meetings (3)- Optional Task Cost Plus, N						
Subcontractor CSA	1.0	2,554.00	2,554.00	1.00	2,554.00	
Copying costs Meeting Summaries (5 copies, 5 pages each)	75.0	0.15	11.25	1.00	11.25	
Mailing Costs (first class) (Reports and CDs)	3.0	2.00	6.00	1.00	6.00	
CD label and copy	3.0	1.50	4.50	1.00	4.50	
Other Direct Costs Task 13.2						2,575.75
Task 14: Develop and Maintain Bibliographies of Acronyms						
Subcontractor CSA	1.0	1,022.00	1,022.00	1.00	1,022.00	
CD label and copy	1.0	1.50	1.50	1.00	1.50	
CD mailing (first class)	1.0	1.50	1.50	1.00	1.50	
Other Direct Costs Task 14						1,025.00
TOTAL OTHER DIRECT COSTS						158,438.35
TOTAL PROJECT COST						\$362,811.85



CSA International, Inc.

www.csaintl.com

8502 SW Kansas Avenue
Stuart, Florida 34997

Phone: 772-218-3000
Fax: 772-218-3010

18 March 2009

David L. Stites, Ph.D.
Director, Environmental Services
Taylor Engineering, Inc.
10151 Deerwood Park Blvd., Bldg. 300, Suite 300,
Jacksonville, FL 32256

Re: South Palm Beach / Lantana Environmental Impact Statement (EIS) - Revised Proposal

Dear David:

CSA International, Inc. (CSA) is pleased to present the following items:

- A revised Description of CSA Services and
- A revised Cost Summary Spreadsheet

CSA is proposing to provide the items described in the Description of CSA Services for a total fee of \$135,316.00. Of that amount we will perform Subtasks 9.1 and 13.2 as cost-plus efforts for a not-to-exceed fee of \$20,403.00. We will provide the fixed fee portions of the services for a fixed, lump sum amount of \$114,913.00. Our attached Description of CSA Services details the basis of the fixed fee and not-to-exceed costs.

Thank you for the opportunity to submit this quote. Feel free to call if you have any questions.

Sincerely,

Keith D. Spring
Director of Coastal and Ocean Science

Robert D. Mulcahy
Director of Business Development

**Description of CSA Services and Task Costs for
the South Palm Beach Shoreline
Protection Project EIS
18 March 2009**

Task 1 - Prepare Statement of Work. CSA will review Statement of Work and submit comments on SOW document to Taylor Engineering, Inc.

\$626

Task 2 - Develop and Implement Quality Assurance / Quality Control QA/QC Plan. CSA staff will review and submit comments on the QA/QC plan to Taylor Engineering, Inc.

\$313

Task 3 - Prepare Public Participation Plan, Develop and Conduct Public Scoping. CSA will review and provide comments on the plan.

\$340

Task 4 - Public Scoping. One CSA staff member will prepare for and participate in one Public Scoping meeting and three additional meetings with FDEP, Florida Fish and Wildlife Conservation Commission, U.S. Fish and Wildlife Service, and National Marine Fisheries Service representatives. This includes preparation of appropriate graphical displays, including maps and charts, for inclusion in the meeting. CSA staff will review and provide comments on the Scoping Report.

\$3,752

Task 5 - Identify Data for and Develop Documentation Necessary for Inter-Agency Coordination to support Biological Assessment and Essential Fish Habitat Analyses. CSA staff will identify and collect information necessary to develop the Preliminary Draft EIS (PDEIS), Preliminary Draft Biological Assessment (PDBA), and Preliminary Draft Essential Fish Habitat evaluation (PDEFH). CSA team members will compile and review environmental data for the proposed action and alternatives, and draft the BA and EFH evaluation documents for use by the USACE. Staff will identify additional information needs and data gaps, identify sources of missing information, and obtain that information or data. Agencies contacted may include Palm Beach County, the South Florida Water Management District, the U.S. Geological Survey, the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, and the Florida Fish and Wildlife Conservation Commission to obtain baseline data for analysis and incorporation in the EIS document.

\$33,431

Task 6 - Prepare Description of Proposed Action, Alternatives and Matrix of Environmental Consequences. CSA staff will review the Description of Proposed Action and Alternatives and will develop evaluation metrics and a matrix of environmental consequences.

\$3,991

40

Task 7 - Prepare Preliminary Draft Environmental Impact Statement (PDEIS). Preparation of Preliminary DEIS and DEIS. CSA will be dealing with aspects relating to resources and impacts below the MHW line. CSA scientists will describe potential mitigation, the affected environment, and environmental effects. This will include descriptions of baseline environmental conditions and potential impacts from the proposed actions and the alternatives. Following USACE review of the PDEIS document, CSA will address and incorporate comments for USACE approval and assist in preparation of sections of the DEIS. One CSA staff member will participate in the PDEIS review meeting.

\$58,451

Task 8 - Hold Public Meetings on DEIS and Prepare Summary Report. One CSA staff member will attend one public meeting on the DEIS. CSA will review and provide comments on meeting summary report.

\$851

Task 9.1- Prepare Preliminary Final Environment Impact Statement (PFEIS) (Cost Plus, Not to Exceed Maximum) . One CSA staff member will participate in an all-day meeting at the USACE office to discuss and coordinate responses to public comments. Conference calls also may be utilized during this procedure. CSA will assist with the development of final responses and incorporation of all approved revisions and responses to comments into a Preliminary Final EIS for USACE review and approval.

\$17,849

Task 9.3 - Incorporate USACE Comments into Final FEIS document (Fixed Fee) CSA will assist with the development of final responses and incorporation of all approved revisions and responses to comments into a Final EIS document for publication.

\$4,917

Task 10 - Prepare Draft Record of Decision. No CSA time or costs in this task.

\$0

Task 11 - Maintain and Provide Administrative Record and Document EIS-Related Communications. CSA will submit information to Taylor Engineering, Inc. on a monthly basis for inclusion in the Administrative Record.

\$2,724

Task 12 - Monthly Progress Reports. CSA will submit Monthly Progress Reports for work on the project to Taylor Engineering, Inc.

\$1,362

Task 13.1 - Progress Review Meetings. One CSA staff member will attend four 4-hr progress review meetings.

\$3,133

Task 13.2 - Unscheduled Meetings (Cost Plus, Not to Exceed Maximum). One CSA staff member will be available to attend up to 3 unscheduled USACE meetings upon authorization by Palm Beach County. CSA cost per meeting is \$988. CSA will participate only upon written authorization from Taylor Engineering.

\$2,554



41

Task 14 - Develop and Maintain a Bibliography of Acronyms, References, and Mailing Lists. CSA will submit all references, data sources, and reports to Taylor Engineering, Inc. for inclusion in the Bibliography.

\$1,022

Project Total (including Task 13.2 meetings)

\$135,316

CSA International, Inc. - PROPRIETARY COST DATA													
Taylor Engineering - South Palm Beach EIS													
March 18, 2009													
	Task	Director	Sr. Sci. 2	Sr. Sci. 1	Proj. Sci. 2	GISA	Proj. Mgr. 2	Proj. Adm.	Tech. Ed. 1	Doc. Proc.	Clerical	Total Hours By Task	Total Cost by Task
Task #	Revised Hourly Burdened Rates 2008 rates minus 5% with no escalation	224.73	170.25	143.01	85.13	78.32	153.23	61.29	68.10	64.70	40.86		
1	Prepare Statement of Work		2	2								4	\$ 626
2	Develop QA/QC Plan		1	1								2	\$ 313
3	Develop Public Partic. Plan		2									2	\$ 340
4	Public Scoping		17	6								23	\$ 3,752
5	ID Data & Develop Document for BA & EFH Anal.	4	32	154	40		6	12				248	\$ 33,431
6	Describe Proposed Action, Alternatives, & Matrix of Consequences		10	16								26	\$ 3,991
7	Prepare Preliminary DEIS		144	152	40	28	6	12	36	36	4	458	\$ 58,451
8	Public Meetings For PDEIS		5									5	\$ 851
9.1	Prepare Preliminary Final EIS (cost plus, NTE)		35	44	44	8			8	8	4	151	\$ 17,849
9.3	Incorporate USACE Comments into Final EIS Document (fixed fee)		8	16	4	4			4	4	2	42	\$ 4,917
10	Prepare Draft Record of Decision											0	\$ -
11	Maintain Administrative Record & Document EIS Commun.		4		24							28	\$ 2,724
12	Monthly Progress Reports		4		8							12	\$ 1,362
13.1	Progress Review Meetings		10	10								20	\$ 3,133
13.2	Additional Ad Hoc Mtgs (up to 3 mtgs) (cost plus, NTE)		15									15	\$ 2,554
14	Bibliography of Acronyms, References, & Mailing Lists				12							12	\$ 1,022
	 Total Hours by Category	4	289	401	172	40	12	24	48	48	10	1,048	\$ 135,316
	 Total Cost by Category	\$ 899	\$49,202	\$57,347	\$14,642	\$ 3,133	\$ 1,839	\$ 1,471	\$ 3,269	\$ 3,106	\$ 409	\$ 135,316	

Taylor Engineering Continuing Contract for Coastal and Marine Engineering

Contract R2008-0410 dated March 1, 2008 for period of two years expires on Feb. 28, 2010

SBE-MBE Goal 15.0% (10% SBE/W; 5% MBE/H)

Task order summary:

TASK NUMBER	TOTAL/ SBE and/or MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
Taylor-01	316,582.00 0.00	1/31/09	2008 North County Sea Turtle Monitoring	BCC 3/11/2008
Taylor-01A	49,023.00 0.00	1/31/2009	2008 North County Sea Turtle Monitoring	ERM 3/11/2008
0410-02	5,000.00 0.00	4/30/2008	2007 Jupiter Inlet Ebb Shoal Survey	ERM 4/29/2008
0410-03	93,924.00 35,462.00	10/31/2008	2008 Regional Monitoring Beach Profiles and 3 Ebb Shoal Surveys	CRC 8/6/2008
0410-04	21,766.00 0.00	10/31/2008	Ocean Ridge 36 Month Monitoring Report	ERM 7/25/2008
0410-05	164,763.00 0.00	9/9/2009	Jupiter/Carlin Renourishment Beach Fill and Permitting	BCC 9/9/2008
0410-03A	18,363.00 8,046.00	10/31/2008	2008 Regional Monitoring Beach Profiles and 3 Ebb Shoal Surveys	ERM 10/22/2008
Taylor-01B	9,852.50 0.00	1/31/2009	2008 North County Sea Turtle Monitoring	ERM 11/10/2008
0410-05A	25,168.84 0.00	9/9/2009	Jupiter/Carlin Renourishment Beach Fill and Permitting	ERM 11/17/2008
0410-06	91,660.00 13,776.00	4/24/2009	Zeke's Parcel Waterfront Design	CRC 12/17/2008
0410-07	190,744.00 0.00	8/31/2010	Jupiter/Carlin Section 934 Study	BCC 2/24/2009
0410-08	196,985.00 191,445.00	1/31/2010	2009 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/24/2009
0410-09	362,811.85 0.00	11/1/2010	South Palm Beach/Lantana Environmental Impact Statement	BCC

Subtotal: 1,546,643.19

Subtotal SBE-MBE: 248,729.00

Subtotal SBE-MBE Part.: 16.1%

Report Date & Filename: 03/19/09

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44

JC
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R 2008 0410

**CONTRACT FOR PROFESSIONAL CONSULTANT SERVICES
BETWEEN PALM BEACH COUNTY AND
TAYLOR ENGINEERING, INC.**

This is a Contract made as of MAR 11 2008, by and between Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners, hereinafter referred to as the COUNTY, and Taylor Engineering, Inc., 9000 Cypress Green Drive, Suite 200, Jacksonville, Florida 32256, an engineering firm, a corporation, authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose Federal I.D. Number is 59-2850478.

In consideration of the mutual promises contained herein, the COUNTY and the CONSULTANT agree as follows:

ARTICLE 1 - SERVICES

The CONSULTANT's responsibility under this Contract is to perform professional coastal and marine engineering services and incidental services as more specifically set forth in the Scope of Work attached hereto as Exhibit "A". In the event services are required to be performed that are not described in Exhibit "A", but are within the general scope of services, the COUNTY and the CONSULTANT hereby reserve the right to negotiate task orders covering the desired services.

The CONSULTANT shall conduct professional services in accordance with Chapters 471 and 472, Florida Statutes and other applicable local, state and federal standards. The CONSULTANT shall conduct topographic and hydrographic survey work in compliance with the U.S. Army Corps of Engineers "Technical Requirements for Surveying, Mapping and Photogrammetric Services," Revised March 1989 and the U.S. Army Corps of Engineers "Engineering Design: Hydrographic Surveying," EM 1110-2-1003, January 1, 2001, and the most current Florida Department of Environmental Protection specifications for topographic (section 02000) and bathymetric (section 02100) surveying.

ARTICLE 2 - PERIODS OF SERVICE AND SCHEDULES

This Contract commences on March 1, 2008 and ends two years later. At the option of the COUNTY, the Contract can be renewed for an additional one-year period.

Reports and other work items shall be delivered or completed according to schedules established in each task order.

ARTICLE 3 - ASSIGNMENT OF WORK

The CONSULTANT shall provide professional services on a task order basis. A copy of the Task Order form and Task Change Order form are attached hereto as Exhibit "C" and Exhibit "D". The COUNTY reserves the right to modify these forms during the term of the Contract.

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ARTICLE 32 - CRIMINAL HISTORY RECORDS CHECK

The CONSULTANT shall comply with the provisions of Ordinance 2003-030, the Criminal History Records Check Ordinance ("Ordinance"), if CONSULTANT's employees or subcontractors are required under this contract to enter a "critical facility" as identified in Resolution R-2003-1274. The CONSULTANT acknowledges and agrees that all employees and subcontractors who are to enter a "critical facility" will be subject to a fingerprint based criminal history records check. Although COUNTY agrees to pay for all applicable FDLE/FBI fees required for criminal history record checks, the CONSULTANT shall be solely responsible for the financial, schedule, and staffing implications associated in complying with Ordinance 2003-030.

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Contract on behalf of the COUNTY and CONSULTANT has hereunto set its hand the day and year above written.

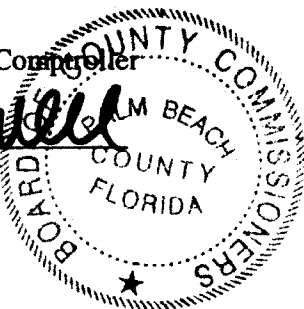
R 2008 04 10
MAR 11 2008

ATTEST:

Sharon R. Bock, Clerk & Comptroller

By: 

Deputy Clerk



PALM BEACH COUNTY

BOARD OF COUNTY COMMISSIONERS:

By: 

Addie L. Greene, Chairperson

WITNESS:



Signature

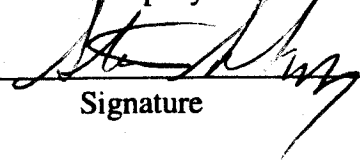


Name (type or print)

CONSULTANT:

Taylor Engineering, Inc.

Company Name



Signature

Steven J. Schropp

Name (type or print)

Vice President

Title

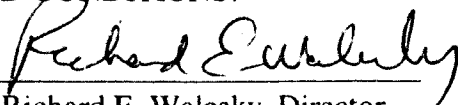
(corp.seal)

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

By: 

Assistant County Attorney

APPROVED AS TO TERMS
AND CONDITIONS:

By: 

Richard E. Walesky, Director

Dept. of Environmental Resources Mgmt.

EXHIBIT B
Taylor Engineering, Inc.
Schedule of Hourly Labor Rates
and Equipment Fees and Other Direct Costs
for 2008
Palm Beach County
Coastal & Marine Engineering Services

Position	Rate Basis Hourly Wage	Burdened Hourly Billing Rate*
CEO	86.67	247.00
President	65.26	186.00
Vice President	57.89	165.00
Senior Advisor	50.53	144.00
Director	43.86	125.00
Senior Professional	36.14	103.00
Project Professional	36.14	103.00
Staff Professional	25.61	73.00
Senior Editor	33.33	95.00
Sr. Technical Support	29.82	85.00
Technical Support	20.35	58.00
Administrative	15.09	43.00

Equipment Fee and Other Direct Costs	Rate	Unit
Black & White Photocopies (8-1/2 x 11)	\$0.15	/page
Black & White Photocopies (11 x 17)	\$0.20	/page
Color Photocopies (8-1/2 x 11)	\$1.25	/page
Color Photocopies (11 x 17)	\$1.50	/page
Computer Generated Glossy Plots (24" x 36" Glossy Paper)	\$65.00	/page
Computer Generated Glossy Plots (24" x 36" Standard Paper)	\$35.00	/page
14' Aluminum Jonboat	\$80.00	/day
Truck	\$85.00	/day
Trimble Differential GPS	\$100.00	/day
ADFM Velocity Profiler Pro20	\$200.00	/day
ADCP Rio Grande Current Meter	\$200.00	/day
Sokkia SET6E Total Station	\$350.00	/day
Cone Penetrometer	\$15.00	/day
YSI SCT Meter	\$50.00	/day
YSI DO Meter	\$50.00	/day
Hand-held GPS	\$10.00	/day

*The Burdened Hourly Billing Rates are based on a 2.85 multiplier.

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