

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date: February 6, 2007

(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. 2378-06 to a continuing Contract (R2004-2378) with Humiston and Moore Engineers (Humiston) in the amount of \$384,104.86 to provide professional coastal design and permitting services to develop the Environmental Impact Statement (EIS) in support of the erosion control project for Singer Island.

Summary: The BCC approved the Contract with Humiston on November 16, 2004 (R2006-2378) and extended the Contract on December 5, 2006 (R2006-2662). The County has issued \$663,415.62 in task orders since the Contract was executed in 2004. Task Order No. 2378-06 authorizes Humiston to design and permit the upcoming Singer Island Erosion Control Project. The County executed a new funding agreement (R2007-0046) with the Florida Department of Environmental Protection (DEP) on January 9, 2007 to cost share these Singer Island costs. Humiston committed to an overall 25% small business and minority business enterprise (SBE-MBE) participation in the Contract. Due to the highly specialized nature of this task, this Task Order has no SBE participation. Humiston has achieved 8.44% cumulative SBE-MBE participation on the Contract including this Task Order. District 1 (JM)

Background and Justification: The initial design phase of the Singer Island Erosion Control Project has been completed and the permitting has been initiated. The Joint Coastal Permit application was submitted to DEP and the Army Corps of Engineers (ACOE) in July of 2006. The EIS is required by the ACOE as part of the federal permitting process for this project.

Attachments:

1. Task Order No. 2378-06 with Contract History
2. Contract (pages 1, 17, Exhibit B Fee Schedule)

Recommended by:

Department Director

Date _____

Approved by:

County Administrator

Date _____

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2007	2008	2009	2010	2011
Capital Expenditures	\$384,105	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	< \$153,431 >	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
 NET FISCAL IMPACT	 \$230,674	 _____	 _____	 _____	 _____
 # ADDITIONAL FTE POSITIONS (Cumulative)	 _____	 _____	 _____	 _____	 _____

Is Item Included in Current Budget? Yes X No _____
 Budget Account No.: Fund 3652 Department 381 Unit M037 Object 3120
 Program _____ RSRC 3439

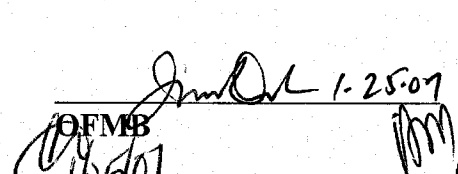
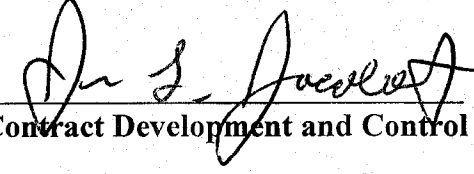
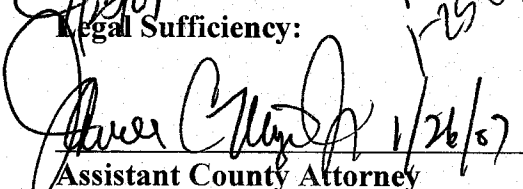
B. Recommended Sources of Funds/Summary of Fiscal Impact:

Beach Improvement Fund and DEP Grant Agreement No. 06PB2
 County matching funds of 60.055% are required.

C. Department Fiscal Review:

III. REVIEW COMMENTS

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

 1-25-07
 OFMB
 1/26/07
 Contract Development and Control
 B. Legal Sufficiency:
 1/26/07
 Assistant County Attorney

This item complies with current
 County policies.

C. Other Department Review:

 Department Director

Attachment 1

TASK ORDER

TASK ORDER: 2378-06 CONSULTANT: Humiston and Moore Engineers

ACCOUNT: 3652-381-M037-3120-02 CONTRACT: R2004-2378, R2006-2662

[Fiscal approval of Budget Availability: *Big Money*]

PROJECT MANAGER: Michael Stahl PHONE: 561-233-2433

CONTRACT MANAGER: ^{CT}Juan Cueto *JC* PHONE: 561-233-2431

PROJECT NAME: Singer Island Environmental Impact Statement

LOCATION/DISTRICT #: Singer Island (District 1)

TASK DESCRIPTION (use additional pages if necessary): The consultant shall prepare an Environmental Impact Statement as part of the Singer Island Erosion Control Project, as described in the scope of services.

DELIVERABLES: See proposal dated 1/22/07.

TASK ORDER TYPE: FIXED PRICE \$369,582.36 DUE DATE: 3/27/09
NOT-TO-EXCEED EXPENSE \$14,522.50

TOTAL AMOUNT: \$384,104.86 See attached spreadsheet dated 1/22/07
RETAINAGE: \$ 0

(Check 1 or both)

for Subcontract Amounts:	Black	Hispanic	Women	Other (specify)	White Male
MBE	<input type="checkbox"/>	\$	\$	\$	\$
SBE	<input type="checkbox"/>	\$	\$	\$	\$

TOTAL M/WBE-SBE PARTICIPATION: \$ 0.00

CONSULTANT REP: *Ken Humiston* DATE: 1/23/07

ENV. CONTRACT MGR: *Allen* DATE: 1/24/07

DIVISION DIRECTOR: *QBT* DATE: 1/24/07

APPROVED AS TO TERMS AND CONDITIONS:
ERM DIRECTOR: *Richard E. Walby* DATE: 1/24/07

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:
ASSISTANT COUNTY ATTORNEY: _____ DATE: _____

BOARD OF COUNTY COMMISSIONERS: _____ DATE: _____

Addie L. Greene, Chairperson

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January 22, 2007



**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

5679 STRAND COURT
NAPLES, FLORIDA 34110
FAX: 239 594 2025
PHONE: 239 594 2021

SINGER ISLAND EROSION CONTROL PROJECT SCOPE OF WORK

Task 2 – ENVIRONMENTAL IMPACT STATEMENT

Task 2.1 – Review Existing Environmental Resource Information

The CONSULTANT shall compile and review environmental resource data to be provided by the COUNTY, including existing information on hardbottom mapping, essential fish habitat, mapping nearshore hardbottom resources for the purpose of developing a project plan that meets the goals of shoreline stabilization while minimizing potential impact to environmental resources. The CONSULTANT shall determine the scope of any additional environmental data collection necessary for resource mapping for project design and for preparation of submittals to regulatory agencies.

This task includes processing of one year of previously collected sea turtle nesting data to be provided by the County. If processing additional sets of sea turtle nesting data are required, those sets will be processed as Additional Services.

Deliverable: Memorandum of comments on documents reviewed and recommendations regarding need for additional data collection.

Task 2.2 – Project Scoping

The CONSULTANT shall coordinate with the COUNTY to prepare a scoping document including project summary, existing site conditions, alternatives, and relevant studies and reports. It is estimated that the Scoping Document will be approximately a 6 page document. The CONSULTANT shall have one meeting with the COUNTY to present the scoping document and to plan and schedule scoping meetings with the regulatory agencies. CONSULTANT will prepare a Notice of Intent for the EIS for publication by the County. CONSULTANT will prepare for and attend a public scoping meeting. Publication and cost of publication of the Notice of Intent is the responsibility of the County.

Deliverable: Scoping Document and Notice of Intent for the EIS.

Task 2.3 – Coordination Meetings with Regulatory Agencies

The CONSULTANT shall coordinate and attend a total of two meetings with regulatory agencies; one meeting in Palm Beach County to include the U.S.

January 22, 2007

Army Corps of Engineers (USACE), U.S. Fish and Wildlife Service (USFWS), and the Environmental Protection Agency; and one meeting in Tallahassee to include the Florida Department of Environmental Protection (DEP) and the Florida Fish and Wildlife Conservation Commission. These meetings shall include but not be limited to presentation of the scoping document, Section 7 Consultation with USFWS to generate a Biological Opinion (BO), discussion of document review comments, strategy meetings for public involvement activities, technical exchange of information, identification of feasible alternatives for evaluation, discussion of other technical issues, and review of data collected. This task will include a scoping meeting with the regulatory agencies to present and discuss the scoping document, and a meeting to discuss USACE comments to the Draft Environmental Impact Statement (EIS).

Deliverable: Memorandum summarizing meeting discussions.

Task 2.4 – Environmental Data Collection

CONSULTANT shall conduct underwater field surveys with diver transects or towed video recorder to ground-truth recent aerial photography and to evaluate species composition and density from underwater photography to characterize hard bottom epifaunal communities and essential fish habitat. It is anticipated that this effort will consist of 3 field days of diver video documentation and 2 days of side scan surveying. CONSULTANT shall rely on information provided by the COUNTY for sea turtle nesting data.

Deliverable: Report of surveys findings. This report will be prepared in a format suitable for inclusion in the Appendices of the EIS, and provided to the County in a format acceptable to the County, the USACE and the DEP.

Task 2.5 – Preparation of Draft Environmental Impact Statement

The CONSULTANT shall prepare a Draft EIS that follows the USACE approved outline, as attached. The Draft EIS shall include an environmental impact analysis of the proposed action on the various media of the affected environment. In order to reduce costs for this task, the scope of work and budget for this task is based on the assumption that portions of the Phipps Park EIS can be utilized substantially in preparation of the Singer Island EIS with only minor revisions related to project site specificity; in particular the sections addressing Essential Fish Habitat, Threatened and Endangered Species, Coastal Zone Management Consistency, and Cumulative Environmental Effects. If it is determined that it is necessary to prepare these sections independently of the information contained in the Phipps Park EIS, those services will be provided as Additional Services.

The CONSULTANT shall be responsible for preparation of the Section 404(b)(1) Evaluation, Coastal Zone Management Act Consistency Determination, and

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Pertinent Correspondence Appendices of the EIS. The latter will consist of compilation or correspondence from National Marine Fisheries Service, Environmental Protection Agency (EPA), USACE, USFWS, South Florida Water Management District, and various offices of the State of Florida. The CONSULTANT shall assemble, in chronological order, all letters and reports applicable to the Pertinent Correspondence appendix.

CONSULTANT shall establish telephone and written communication with the USACE Jacksonville District sufficient to coordinate agency preparation of the following documents, which will be incorporated into the project EIS: Section 7 Consultation with USFWS to generate a BO; and a USFWS Coordination Act Report (CAR) for the project. Once the USACE and USFWS generate the above documents, the information will be incorporated into the EIS. The CONSULTANT shall utilize all existing environmental resources information pertaining to the project and the above documents to prepare a Draft EIS main document text.

This document shall be reviewed by the COUNTY and the CONSULTANT shall have one meeting with the COUNTY for the purpose of including COUNTY comments and revisions prior to submittal to the USACE. Seventy-five (75) copies of the Draft EIS will be transmitted to the USACE Jacksonville District office. This task includes the cost of reproduction, binding, and postage for 80 copies of a document not exceeding 300 pages in length.

Deliverable: Draft EIS. The cost of printing the required number of copies can not be determined until size of the document is known. \$8,400 has been included in the proposed budget for printing the Draft EIS, and this shall be a not-to-exceed amount unless it is determined that the cost will exceed this amount and prior authorization is obtained from the County.

Task 2.6 – Respond to Initial USACE and Public Comments on the Draft EIS

This Task is not included in this scope of work

Task 2.7 – Public Involvement and Public Hearing

The CONSULTANT shall coordinate and attend a Public Hearing to present the Draft Final EIS and obtain public comments on the document. The CONSULTANT shall also prepare presentation materials and handouts for the Public Hearing. The COUNTY shall be responsible for recording the Public Hearing proceedings.

The CONSULTANT shall prepare the Notice of Intent (NOI) and Notice of Availability (NOA) for publication of the EIS in the Federal Register. The COUNTY shall be responsible for publishing the NOI and NOA in the Federal Register. The COUNTY shall publish the required notifications in the local newspapers, one for the NOI for the public scoping process and one for the

January 22, 2007

announcement of the public meeting. The COUNTY shall provide the facilities for the public meeting. The CONSULTANT shall prepare the letters to file the Draft Final EIS with the EPA.

The COUNTY shall collect and distribute any public comments received during the public scoping process.

Deliverable: Notice of Intent, Notice of Availability, and presentation materials for the public meeting.

Task 2.8 – Respond to Initial Outside Agency Comments on the Draft EIS

This Task is not included in this scope of work

Task 2.9 – Final EIS

Upon resolution of additional agency/interest group review comments, the CONSULTANT shall finalize the EIS and shall transmit twenty-five (25) copies of the final EIS to the USACE. The USACE and USFWS will then utilize the submitted information for consideration as the basis for a project Record of Decision (ROD). This task includes the cost of reproduction, binding, and postage for 30 copies of a document not exceeding 300 pages in length.

Deliverable: Final EIS. The cost of printing the required number of copies can not be determined until size of the document is known. A total of \$3,250 has been included in the proposed budget for printing the Final EIS, and this shall be a not-to-exceed amount unless it is determined that the cost will exceed this amount and prior authorization is obtained from the County.

Task 2.10 – Erosion Control Line

This Task is not included in this scope of work

Task 2.11 – Status Reports

Prepare monthly status reports and submit to Palm Beach County. This task assumes that the EIS will be completed during the course of a 18 months, and that there will be a total of 15 status reports.

Deliverable: Monthly status reports of progress on the EIS process

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BUDGET FOR SINGER ISLAND EROSION CONTROL PROJECT ENVIRONMENTAL IMPACT STATEMENT															
PROJECT	Singer Island Phase II, H&M File No. 14011	Humiston & Moore Engineers							Subconsultants				Total Expenses &	Total Cost of Task	
DATE	22-Jan-07	Hours					Total H&M	Total H&M		Continental	Sea	Betsey			
Task		Prin Engr	Prj Engr	Engr II	Pr Coord	Tech	Admin	Hours	Fees	Expense	Shelf Assoc	Diversified, Inc.	Lindsey, Inc.	Subconsultants	
2.1	Review Existing Environmental Resource Data	4.00	0.00	4.00	4.00	0.00	1.00	13.00	\$1,352.32	\$100.00	\$15,242.00	\$0.00	\$0.00	\$15,342.00	
2.2	Project Scoping	42.00	12.00	12.00	8.00	28.00	7.00	109.00	12713.82	0.00	\$20,312.00	\$0.00	\$0.00	\$20,312.00	
2.3	Coordination Meetings	35.00	35.00	12.00	4.00	10.00	10.00	106.00	13160.41	2772.50	\$13,445.66	\$0.00	\$0.00	\$16,218.16	
2.4	Environmental Data Collection	10.00	0.00	16.00	6.00	0.00	2.00	34.00	3571.48	0.00	\$67,197.00	\$0.00	\$0.00	\$67,197.00	
2.5	Draft Environmental Impact Statement (EIS)	74.00	14.00	43.00	137.00	67.00	10.00	345.00	33265.34	8400.00	\$126,334.50	\$0.00	\$0.00	\$134,734.50	
2.6	Respond to 1st COE Comments on EIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2.7	Environmental Impact Statement Public Hearing	20.00	20.00	10.00	4.00	10.00	1.00	65.00	7968.78	0.00	\$18,621.00	\$0.00	\$0.00	\$18,621.00	
2.8	Respond to 2nd COE Comments on EIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2.9	Final Environmental Impact Statement	20.00	0.00	10.00	20.00	20.00	40.00	110.00	9270.10	3250.00	\$14,216.00	\$0.00	\$0.00	\$17,466.00	
2.10	Erosion Control Line Submittal, Coordination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2.11	Status Reports	30.00	15.00	15.00	30.00	0.00	15.00	105.00	11290.95	0.00	\$1,621.00	\$0.00	\$0.00	\$1,621.00	
2.12	Contingency for Additional Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	Totals:	235.00	96.00	122.00	213.00	135.00	86.00	887.00	\$92,593.20	\$14,522.50	\$276,989.16	\$0.00	\$0.00	\$291,511.66	
														\$384,104.86	

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Date: 01/12/07

Ship To:
Humiston & Moore Engineers
5679 Styrand Court
Naples FL 34110

Customer Pickup

SIR SPEEDY PRINTING #5534 · 851 Village Blvd., Suite 502 · West Palm Beach FL 33409 · (561) 683-6226

Date: 01/12/07

Ship To:
Humiston & Moore Engineers
5679 Styrand Court
Naples FL 34110
Customer Pickup

SIR SPEEDY PRINTING #5534 · 851 Village Blvd., Suite 502 · West Palm Beach FL 33409 · (561) 683-6226



CSA International, Inc.

www.csaintl.com

759 Parkway Street
Jupiter, Florida 33477

Phone: 561-746-7946
Fax: 561-747-2954

January 17, 2007

Mr. Ken Humiston, P.E.
Humiston & Moore engineers
5679 Strand Court
Naples, Florida 34110

RE: Singer Island Revised Cost Estimate

Dear Mr. Humiston:

Continental Shelf Associates, Inc. (CSA) has revised our cost estimate based on our meeting with you and Palm Beach County on May 4, 2006, your subsequent e-mails with direction regarding scope and level of effort, responding to additional comments from Palm Beach County on January 2, and 17, 2007, and the addition of preparing materials for and attendance at the public scoping meeting. Listed below is our basis of estimate for each task as outlined in the attached cost spreadsheet.

TASK	ITEM	COST
II Task 2.1	<ul style="list-style-type: none">Includes the review of shorebird data and other data provided by Palm Beach County (PBC), excluding Turtle data.	\$11,128.00
	<ul style="list-style-type: none">Includes a literature search for similar habitat projects benthic community structure (Miami breakwater, Fisher Island) and review of literature.	
Deliverables	<ul style="list-style-type: none">Summary tables and literature synthesis included in DEIS.	
II Task 2.2	<ul style="list-style-type: none">Includes 1 meeting with PBC and the development of a Scoping document (6 pages) to provide to and discuss with the regulatory agencies.	\$20,312.00
	<ul style="list-style-type: none">CSA will work with H&M to prepare a scoping document to describe the project and alternatives to be evaluated for presentation to the regulatory agencies and make available to the public.	
	<ul style="list-style-type: none">Includes the attendance at the public scoping meeting by up to 4 CSA staff and the preparation of a Powerpoint presentation relative to CSA scope issues, and poster boards relative to CSA scope issues.	
	<ul style="list-style-type: none">Cost includes the preparation of Notice of Intent (NOI) for the EIS. Costs for the publication of notices are not included.	
	<ul style="list-style-type: none">It is assumed that H&M will be responsible for the distribution of the NOI and Scoping document to stakeholders.	
Deliverables	<ul style="list-style-type: none">NOI, Input to the scoping Document, Powerpoint presentation, and poster boards.	

//

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Mr. Humiston

TASK	ITEM	COST
II Task 2.3	<ul style="list-style-type: none"> Includes preparation for and attendance at two meetings with the regulatory agencies (USACE, USFWS, and FDEP, etc.) to present the scoping document and discuss the project. It is assumed that the Federal meeting (USACE, USFWS, EPA) will take place in Palm Beach Gardens and the FDEP and other State agencies meeting will take place in Tallahassee. 	\$13,445.66
	<ul style="list-style-type: none"> Includes 3 CSA staff in attendance at the meetings. 	
	<ul style="list-style-type: none"> Includes review of meeting minutes prepared by H&M for each meeting. 	
Deliverables	<ul style="list-style-type: none"> Review and comment to meeting minutes. 	
II Task 2.4	<ul style="list-style-type: none"> Includes 3 field days for diver video documentation, and 2 days for side scan mapping. 	\$67,197.00
	<ul style="list-style-type: none"> Does not include weather delays and assumes that surveys can be performed on consecutive days. 	
	<ul style="list-style-type: none"> Includes the preparation of a report documenting the surveys and findings. This report will be included in the Appendices of the EIS. 	
Deliverables	<ul style="list-style-type: none"> Report documenting the surveys and findings. 	
II Task 2.5	<ul style="list-style-type: none"> These Subtasks include the development of the internal draft EIS document, meeting with PBC and incorporation of PBC comments into the Draft EIS document for submittal to the USACE. 	
	<ul style="list-style-type: none"> Assumes the use of the USACE EIS outline for the preparation of the EIS. 	
	<ul style="list-style-type: none"> Includes CSA as the lead for Subsection 1.5 of the outline. H&M is the Lead for other Subsections within Section 1. 	\$4,729.50
	<ul style="list-style-type: none"> Includes CSA review and assistance on Subsections 1.4, 1.6, and 1.7. 	
	<ul style="list-style-type: none"> Includes a joint effort between CSA and H&M on Subsections 2.2, 2.3, 2.7. H&M is the lead for the other Subsections in Section 2. Includes CSA assisting with the development of evaluation criteria. 	\$8,467.00
	<ul style="list-style-type: none"> Assumes that portions of the Phipps EIS are appropriate and can be incorporated with only minor revisions needed into this EIS including portions of the affected environment, EFH Analysis, T&E species, and CZM consistency. 	
	<ul style="list-style-type: none"> Includes CSA as the lead on Subsections 3.2, 3.3, 3.5, 3.6, 3.8 - 3.11 and input to Subsection 3.1, and the text for Subsection 3.4. H&M will provide the mapping of Hardbottoms for Subsection 3.4. 	\$20,181.50
	<ul style="list-style-type: none"> Includes CSA as lead on all of Section 4 with H&M providing hardbottom mapping. 	\$27,682.00
	<ul style="list-style-type: none"> Assumes that the Phipps EIS Evaluation of environmental effects including cumulative effects will be the base for the environmental effects section, however, additional effects analysis will need to be performed to be project specific. 	
	<ul style="list-style-type: none"> H&M is responsible for Section 5 	
	<ul style="list-style-type: none"> Includes CSA input to Section 6 with H&M as the lead 	\$5,405.50
	<ul style="list-style-type: none"> Includes CSA lead for Appendices: Section 404 Evaluation, CZM consistency, Correspondence, EFH Assessment Report, Mitigation Plan with UMAM, and data collection survey report only (Completed in task 2.4) 	\$50,938.50
	<ul style="list-style-type: none"> Includes the preparation of Internal Draft EIS sections for submittal to H&M to incorporate into Internal Draft EIS for PBC review and comment. 	\$8,931.00
Deliverables	<ul style="list-style-type: none"> Internal Draft EIS Sections 1.5, 3.2 - 3.5, 3.6, 3.8 - 3.11, and all of Section 4 	
	<ul style="list-style-type: none"> Input to Draft EIS Section 3.1 and all of Section 6 	
	<ul style="list-style-type: none"> Section 404 Evaluation, CZM consistency, Correspondence, EFH Assessment Report, Mitigation Plan with UMAM 	

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January 17, 2007
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Mr. Humiston

TASK	ITEM	COST
II Task 2.6	• Not costed at this time	
II Task 2.7	• Cost includes the preparation of Notice of Availability (NOA) for the EIS. Costs for publication of notices are not included.	\$18,621.00
	• Includes the preparation of materials for the public meeting and participation in the public meeting by up to 4 CSA staff.	
	• PBC will provide the meeting room for the public meeting.	
	• PBC will provide the list of stakeholders for notification of the public meeting and the NOA.	
	• Assumes that H&M is responsible for distribution of the NOA.	
	• Assumes that PBC or USACE responsible for distribution of EIS for comment	
Deliverables	• NOA	
	• Presentation materials for the public meeting.	
II Task 2.8	• Not costed at this time	
II Task 2.9	• Includes preparation of final EIS sections that CSA is responsible for as described above in II Task 2.5 that incorporates all comment resolution and responses.	\$14,216.00
Deliverables	• Final EIS Sections	
II Task 2.10	• Assist with the development of a Microsoft project schedule and monthly updates for CSA tasks.	\$1,621.00
II Task 2.11	• 50 hrs have been added to enter only 1 year of turtle data in raw format obtained from PBC using the protocols established by the county.	\$4,114.00
Deliverables	• Turtle database	
General	• H&M is responsible for all document compilation and production.	
TOTAL		\$276,989.16

The CSA costs have changed to \$276,989.16 due to the previous use of 2005 staff rates, response to additional comments from Mike Stahl, of Palm Beach County, and the preparation of materials for and attendance at the public scoping meeting. The responses to questions raised by Mr. Stahl are included as an attachment. If you have any questions regarding this cost estimate or the associated basis of estimate, please call me at (561) 746-7946 to discuss.

Best Regards,



Kim Olsen
Senior Scientist

Attachment



Frederick Ayer
Vice President/General Manager

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Responses to Palm Beach County Questions

- Shipping costs included in Task 2.4 are for shipment and return of side scan sonar towfish and associated equipment. The \$1,000 included is a typical expense for shipment of this heavy and fragile equipment (see back-up submitted previously showing shipping 1-way for similar equipment).
- There are a total of 5 field days anticipated, three for diver video and two for side scan. However there is a day of mobilization time included for the calibration and setting up of the side scan equipment.
- Per diem is for anticipated trip to Tallahassee to meet with FDEP and includes driving up 1 day, have meeting, and driving back. Hotel rate back-up was provided previously and meals are included.
- Photocopy rate has been adjusted.
- A larger vessel was originally proposed, we have changed to 23 ft Parker and reduced daily rate.
- Have adjusted staff rates to 2006 rates and made consistent with the Juno Beach Project rates.
- The navigation software and DGPS required for this task is a higher rate than the Juno Beach Project due to the need for side scan surveys and correlating the video work with the side scan transects and vessel locations. It is not only for vessel navigation and locations as is the case with the Juno Beach Project.
- G&A on Admin and Travel have been removed.
- A \$20 per day cost has been included for each field staff per day to cover expenses for ice, drinks and meals while performing the field surveys. These staff will get on the vessel in the morning and will not get off the vessel until the end of the day.



CSA International, Inc.

759 Parkway Street
Jupiter, Florida 33477

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Phone: 561-746-7946
Fax: 561-747-2954

CSA by Line Items

Palm Beach County Singer Island EIS

Continental Shelf Associates, Inc
January 17, 2007

PROPRIETARY COST DATA

				II Task 2.1		II Task 2.2		II Task 2.3		II Task 2.4	
				Review Existing Data		Project Scoping Document		Meetings (2)		Data Collection and Reporting	
	FUNCTION	FY 06	RATE	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
	QA/QC		\$147.32		\$0.00		\$0.00		\$0.00	12	\$1,768.00
	NEPA Expert		\$147.32		\$0.00		\$0.00		\$0.00		\$0.00
	Project Manager		\$147.32	16	\$2,357.00	44	\$6,482.00	37	\$5,451.00	104	\$15,321.00
	Staff Scientist		\$147.32	14	\$2,062.00	12	\$1,768.00		\$0.00		\$0.00
	Sr Staff Scientist		\$100.23	16	\$1,604.00	20	\$2,005.00		\$0.00	128	\$12,829.00
	Sr Staff Scientist		\$131.00	16	\$2,096.00	30	\$3,930.00	32	\$4,192.00	8	\$1,048.00
	Sr Staff Scientist		\$120.72	12	\$1,449.00		\$0.00		\$0.00		\$0.00
	GIS		\$76.96		\$0.00	10	\$770.00		\$0.00	124	\$9,543.00
	Senior Technician		\$77.90		\$0.00		\$0.00		\$0.00	36	\$2,804.00
	Staff Scientist		\$78.00	20	\$1,560.00	32	\$2,496.00	32	\$2,496.00	94	\$7,332.00
	Senior Technician		\$77.90		\$0.00		\$0.00		\$0.00	32	\$2,493.00
	Technician		\$62.51		\$0.00		\$0.00	2	\$125.00	28	\$1,750.00
	Editing		\$87.36		\$0.00	12	\$1,048.00	3	\$262.00	16	\$1,398.00
	WP/Admin		\$57.69		\$0.00	12	\$692.00	3	\$173.00	10	\$577.00
	Graphics		\$82.67		\$0.00	8	\$661.00		\$0.00	16	\$1,323.00
TOTAL LABOR COST				94	\$11,128.00	180	\$19,852.00	109	\$12,699.00	608	\$58,186.00
OTHER DIRECT COSTS				Units	Cost	Units	Cost	Units	Cost	Units	Cost
Admin											
Photocopies					\$0.00	200	\$10.00		\$0.00		\$0.00
Production Supplies					\$0.00	5	\$450.00		\$0.00		\$0.00
Mail/Courier/FedEx					\$0.00		\$0.00		\$0.00		\$0.00
Shipping					\$0.00		\$0.00		\$0.00	1	\$1,000.00
Subtotal					\$0.00		\$460.00		\$0.00		\$1,000.00
CSA Equipment Rental											
Day Rates											
23' Parker Survey Vessel					\$0.00		\$0.00		\$0.00	5	\$2,250.00
Digital Video Camera (DVC/surface)					\$0.00		\$0.00		\$0.00	3	\$165.00
U/W Housing for DVC w/ Lights					\$0.00		\$0.00		\$0.00	3	\$198.00
Navigation Software & DGPS System					\$0.00		\$0.00		\$0.00	5	\$1,500.00
Pentium computer					\$0.00		\$0.00		\$0.00	3	\$198.00
Onan Generator					\$0.00		\$0.00		\$0.00	2	\$100.00
Side Scan Sonar					\$0.00		\$0.00		\$0.00	3	\$1,800.00
Dive Gear					\$0.00		\$0.00		\$0.00	12	\$264.00
Scuba Tanks					\$0.00		\$0.00		\$0.00	36	\$216.00
MiniDV Videotape (1 hr)					\$0.00		\$0.00		\$0.00	6	\$60.00
parker Gas					\$0.00		\$0.00		\$0.00	50	\$150.00
Subtotal					\$0.00		\$0.00		\$0.00		\$6,901.00
Travel:											
Per Diem					\$0.00		\$0.00	3	\$462.00		\$0.00
Drinks/Ice/lunch					\$0.00		\$0.00		\$0.00	18	\$360.00
MRI Truck					\$0.00		\$0.00		\$0.00	5	\$750.00
Car					\$0.00		\$0.00	2	\$126.66		\$0.00
Gas					\$0.00		\$0.00	50	\$130.00		\$0.00
Parking/Tolls					\$0.00		\$0.00	2	\$28.00		\$0.00
Subtotal					\$0.00		\$0.00		\$746.66		\$1,110.00
TOTAL OTHER DIRECT COSTS					\$0.00		\$460.00		\$746.66		\$9,011.00
SUBTOTAL ESTIMATED COST					\$11,128.00		\$20,312.00		\$13,445.66		\$67,197.00
					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL ESTIMATED COST					\$11,128.00		\$20,312.00		\$13,445.66		\$67,197.00

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CSA International, Inc.

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CSA by Line Items

Palm Beach County Singer Island EIS

Contental Shelf Associates, Inc

January 17, 2007

PROPRIETARY COST DATA

				II Task 2.5.1		II Task 2.5.2		II Task 2.5.3		II Task 2.5.4	
FY 06				Draft EIS Section 1		Draft EIS Section 2		Draft EIS Section 3		Draft EIS Section 4	
FUNCTION		RATE		Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
QA/QC		\$147.32			\$0.00	4	\$589.00	6	\$884.00	6	\$884.00
NEPA Expert		\$147.32			\$0.00	12	\$1,768.00		\$0.00	16	\$2,357.00
Project Manager		\$147.32		16	\$2,357.00	20	\$2,946.00	40	\$5,893.00	56	\$8,250.00
Staff Scientist		\$147.32			\$0.00		\$0.00	16	\$2,357.00	16	\$2,357.00
Sr. Staff Scientist		\$100.23		4	\$401.00	8	\$802.00	16	\$1,604.00	32	\$3,207.00
Sr. Staff Scientist		\$131.00			\$0.00	4	\$524.00	16	\$2,096.00	32	\$4,192.00
Sr. Staff Scientist		\$120.72			\$0.00		\$0.00	10	\$1,207.00		\$0.00
GIS		\$76.96			\$0.00		\$0.00	16	\$1,231.00		\$0.00
Senior Technician		\$77.90			\$0.00		\$0.00		\$0.00		\$0.00
Staff Scientist		\$78.00		20	\$1,560.00	16	\$1,248.00	32	\$2,496.00	60	\$4,680.00
Senior Technician		\$77.90			\$0.00		\$0.00		\$0.00		\$0.00
Technician		\$62.51			\$0.00		\$0.00		\$0.00		\$0.00
Editing		\$87.36		2	\$175.00	4	\$349.00	12	\$1,048.00	12	\$1,048.00
WP/Admin		\$57.69		4	\$231.00	4	\$231.00	12	\$692.00	12	\$692.00
Graphics		\$82.67			\$0.00		\$0.00	8	\$661.00		\$0.00
TOTAL LABOR COST				46	\$4,724.00	72	\$8,457.00	184	\$20,169.00	242	\$27,667.00
OTHER DIRECT COSTS				Units	Cost	Units	Cost	Units	Cost	Units	Cost
Admin											
Photocopies	\$0.05			100	\$5.00	200	\$10.00	250	\$12.50	300	\$15.00
Production Supplies	\$90.00				\$0.00		\$0.00		\$0.00		\$0.00
Mail/Courier/FedEx	\$20.00				\$0.00		\$0.00		\$0.00		\$0.00
Shipping	\$0.39				\$0.00		\$0.00		\$0.00		\$0.00
Subtotal					\$5.00		\$10.00		\$12.50		\$15.00
CSA Equipment Rental	Day Rates										
23' Parker Survey Vessel	\$450.00				\$0.00		\$0.00		\$0.00		\$0.00
Digital Video Camera (DVC/surface)	\$55.00				\$0.00		\$0.00		\$0.00		\$0.00
U/W Housing for DVC w/ Lights	\$66.00				\$0.00		\$0.00		\$0.00		\$0.00
Navigation Software & DGPS System	\$300.00				\$0.00		\$0.00		\$0.00		\$0.00
Pentium computer	\$66.00				\$0.00		\$0.00		\$0.00		\$0.00
Onan Generator	\$50.00				\$0.00		\$0.00		\$0.00		\$0.00
Side Scan Sonar	\$600.00				\$0.00		\$0.00		\$0.00		\$0.00
Dive Gear	\$22.00				\$0.00		\$0.00		\$0.00		\$0.00
Scuba Tanks	\$6.00				\$0.00		\$0.00		\$0.00		\$0.00
MiniDV Videotape (1 hr)	\$10.00				\$0.00		\$0.00		\$0.00		\$0.00
parker Gas	\$3.00				\$0.00		\$0.00		\$0.00		\$0.00
Subtotal					\$0.00		\$0.00		\$0.00		\$0.00
Travel:											
Per Diem	\$154.00				\$0.00		\$0.00		\$0.00		\$0.00
Drinks/Ice/lunch	\$20.00				\$0.00		\$0.00		\$0.00		\$0.00
MRI Truck	\$150.00				\$0.00		\$0.00		\$0.00		\$0.00
Car	\$63.33				\$0.00		\$0.00		\$0.00		\$0.00
Gas	\$2.600				\$0.00		\$0.00		\$0.00		\$0.00
Parking/Tolls	\$14.00				\$0.00		\$0.00		\$0.00		\$0.00
Subtotal					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL OTHER DIRECT COSTS					\$5.00		\$10.00		\$12.50		\$15.00
SUBTOTAL ESTIMATED COST					\$4,729.00		\$8,467.00		\$20,181.50		\$27,682.00
					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL ESTIMATED COST					\$4,729.00		\$8,467.00		\$20,181.50		\$27,682.00

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CSA International, Inc.

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CSA by Line Items

Palm Beach County Singer Island EIS

Contental Shelf Associates, Inc.

January 17, 2007

PROPRIETARY COST DATA

				II Task 2.5.6		II Task 2.5.A		II Task 2.5.C		II Task 2.6	
				Draft EIS Section 6		Draft EIS Appendices		Incorp County comments into Draft EIS		Initial USACE and Public Draft EIS Comments	
	FUNCTION		FY 06 RATE	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
	QA/QC		\$147.32		\$0.00	16	\$2,357.00	4	\$589.00		\$0.00
	NEPA Expert		\$147.32		\$0.00		\$0.00		\$0.00		\$0.00
	Project Manager		\$147.32	16	\$2,357.00	80	\$11,786.00	16	\$2,357.00		\$0.00
	Staff Scientist		\$147.32	4	\$589.00	80	\$11,786.00	4	\$589.00		\$0.00
	Sr. Staff Scientist		\$100.23		\$0.00	80	\$8,018.00	4	\$401.00		\$0.00
	Sr. Staff Scientist		\$131.00		\$0.00	88	\$11,528.00	4	\$524.00		\$0.00
	Sr. Staff Scientist		\$120.72		\$0.00		\$0.00		\$0.00		\$0.00
	GIS		\$76.96		\$0.00		\$0.00		\$0.00		\$0.00
	Senior Technician		\$77.90		\$0.00		\$0.00		\$0.00		\$0.00
	Staff Scientist		\$78.00	24	\$1,872.00	40	\$3,120.00	40	\$3,120.00		\$0.00
	Senior Technician		\$77.90		\$0.00		\$0.00		\$0.00		\$0.00
	Technician		\$62.51		\$0.00		\$0.00		\$0.00		\$0.00
	Editing		\$87.36	4	\$349.00	16	\$1,398.00	10	\$874.00		\$0.00
	WP/Admin		\$57.69	4	\$231.00	16	\$923.00	8	\$462.00		\$0.00
	Graphics		\$82.67		\$0.00		\$0.00		\$0.00		\$0.00
TOTAL LABOR COST				52	\$5,398.00	416	\$50,916.00	90	\$8,916.00	0	\$0.00
OTHER DIRECT COSTS				Units	Cost	Units	Cost	Units	Cost	Units	Cost
Admin											
Photocopies											
Production Supplies											
Mail/Courier/FedEx											
Shipping											
Subtotal											
CSA Equipment Rental											
23' Parker Survey Vessel											
Digital Video Camera (DVC/surface)											
U/W Housing for DVC w/ Lights											
Navigation Software & DGPS System											
Pentium computer											
Onan Generator											
Side Scan Sonar											
Dive Gear											
Scuba Tanks											
MiniDV Videotape (1 hr)											
parker Gas											
Subtotal											
Travel:											
Per Diem											
Drinks/Ice/lunch											
MRI Truck											
Car											
Gas											
Parking/Tolls											
Subtotal											
TOTAL OTHER DIRECT COSTS					\$7.50		\$22.50		\$15.00		\$0.00
SUBTOTAL ESTIMATED COST					\$5,405.50		\$50,938.50		\$8,931.00		\$0.00
					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL ESTIMATED COST					\$5,405.50		\$50,938.50		\$8,931.00		\$0.00

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CSA by Line Items

Palm Beach County Singer Island EIS

Continental Shelf Associates, Inc
January 17, 2007

PROPRIETARY COST DATA

				II Task 2.7		II Task 2.8	
				Public Involvement		Initial Outside Agency EIS	
				Hrs	Cost	Hrs	Cost
FUNCTION		FY 06 RATE					
QA/QC		\$147.32		6	\$884.00		\$0.00
NEPA Expert		\$147.32			\$0.00		\$0.00
Project Manager		\$147.32		42	\$6,187.00		\$0.00
Staff Scientist		\$147.32			\$0.00		\$0.00
Sr. Staff Scientist		\$100.23		20	\$2,005.00		\$0.00
Sr. Staff Scientist		\$131.00		20	\$2,620.00		\$0.00
Sr. Staff Scientist		\$120.72			\$0.00		\$0.00
GIS		\$76.96		10	\$770.00		\$0.00
Senior Technician		\$77.90			\$0.00		\$0.00
Staff Scientist		\$78.00		48	\$3,744.00		\$0.00
Senior Technician		\$77.90			\$0.00		\$0.00
Technician		\$62.51			\$0.00		\$0.00
Editing		\$87.36		12	\$1,048.00		\$0.00
WP/Admin		\$57.69		12	\$692.00		\$0.00
Graphics		\$82.67		8	\$661.00		\$0.00
TOTAL LABOR COST				178	\$18,611.00	0	\$0.00
OTHER DIRECT COSTS				Units	Cost	Units	Cost
Admin							
Photocopies	\$0.05			200	\$10.00		\$0.00
Production Supplies	\$90.00				\$0.00		\$0.00
Mail/Courier/FedEx	\$20.00				\$0.00		\$0.00
Shipping	\$0.39				\$0.00		\$0.00
Subtotal					\$10.00		\$0.00
CSA Equipment Rental							
Day Rates							
23' Parker Survey Vessel	\$450.00				\$0.00		\$0.00
Digital Video Camera (DVC/surface)	\$55.00				\$0.00		\$0.00
U/W Housing for DVC w/ Lights	\$66.00				\$0.00		\$0.00
Navigation Software & DGPS System	\$300.00				\$0.00		\$0.00
Pentium computer	\$66.00				\$0.00		\$0.00
Onan Generator	\$50.00				\$0.00		\$0.00
Side Scan Sonar	\$600.00				\$0.00		\$0.00
Dive Gear	\$22.00				\$0.00		\$0.00
Scuba Tanks	\$6.00				\$0.00		\$0.00
MiniDV Videotape (1 hr)	\$10.00				\$0.00		\$0.00
parker Gas	\$3.00				\$0.00		\$0.00
Subtotal					\$0.00		\$0.00
Travel:							
Per Diem	\$154.00				\$0.00		\$0.00
Drinks/Ice/lunch	\$20.00				\$0.00		\$0.00
MRI Truck	\$150.00				\$0.00		\$0.00
Car	\$63.33				\$0.00		\$0.00
Gas	\$2,600				\$0.00		\$0.00
Parking/Toils	\$14.00				\$0.00		\$0.00
Subtotal					\$0.00		\$0.00
TOTAL OTHER DIRECT COSTS					\$10.00		\$0.00
SUBTOTAL ESTIMATED COST					\$18,621.00		\$0.00
					\$0.00		\$0.00
TOTAL ESTIMATED COST					\$18,621.00		\$0.00



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CSA by Line Items

Palm Beach County Singer Island EIS

Continental Shelf Associates, Inc.
January 17, 2007

PROPRIETARY COST DATA

				II Task 2.9		II Task 2.10		II Task 2.11			
FY 06				EIS Final		Schedule Develop/Updates		Turtle Data Entry (1 Year)		GRAND TOTAL	
FUNCTION	RATE			Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
QA/QC	\$147.32			6	\$884.00		\$0.00		\$0.00	60	\$8,839.00
NEPA Expert	\$147.32				\$0.00		\$0.00		\$0.00	28	\$4,125.00
Project Manager	\$147.32			24	\$3,536.00	11	\$1,621.00		\$0.00	522	\$76,901.00
Staff Scientist	\$147.32				\$0.00		\$0.00		\$0.00	146	\$21,508.00
Sr Staff Scientist	\$100.23			12	\$1,203.00		\$0.00		\$0.00	340	\$34,079.00
Sr Staff Scientist	\$131.00			12	\$1,572.00		\$0.00		\$0.00	262	\$34,322.00
Sr Staff Scientist	\$120.72				\$0.00		\$0.00	5	\$604.00	27	\$3,260.00
GIS	\$76.96				\$0.00		\$0.00		\$0.00	160	\$12,314.00
Senior Technician	\$77.90				\$0.00		\$0.00		\$0.00	36	\$2,804.00
Staff Scientist	\$78.00			60	\$4,680.00		\$0.00	45	\$3,510.00	563	\$43,914.00
Senior Technician	\$77.90				\$0.00		\$0.00		\$0.00	32	\$2,493.00
Technician	\$62.51				\$0.00		\$0.00		\$0.00	30	\$1,875.00
Editing	\$87.36			16	\$1,398.00		\$0.00		\$0.00	119	\$10,395.00
WP/Admin	\$57.69			16	\$923.00		\$0.00		\$0.00	113	\$6,519.00
Graphics	\$82.67				\$0.00		\$0.00		\$0.00	40	\$3,306.00
TOTAL LABOR COST				146	\$14,196.00	11	\$1,621.00	50	\$4,114.00	2,478	\$266,654.00
OTHER DIRECT COSTS				Units	Cost	Units	Cost	Units	Cost	Units	Cost
Admin											
Photocopies	\$0.05			400	\$20.00		\$0.00		\$0.00	2550	\$127.50
Production Supplies	\$90.00				\$0.00		\$0.00		\$0.00	5	\$450.00
Mail/Courier/FedEx	\$20.00				\$0.00		\$0.00		\$0.00	0	\$0.00
Shipping	\$0.39				\$0.00		\$0.00		\$0.00	1	\$1,000.00
Subtotal					\$20.00		\$0.00		\$0.00		\$1,577.50
CSA Equipment Rental	Day Rates										
23' Parker Survey Vessel	\$450.00				\$0.00		\$0.00		\$0.00	5	\$2,250.00
Digital Video Camera (DVC/surface)	\$55.00				\$0.00		\$0.00		\$0.00	3	\$165.00
U/W Housing for DVC w/ Lights	\$66.00				\$0.00		\$0.00		\$0.00	3	\$198.00
Navigation Software & DGPS System	\$300.00				\$0.00		\$0.00		\$0.00	5	\$1,500.00
Pentium computer	\$66.00				\$0.00		\$0.00		\$0.00	3	\$198.00
Onan Generator	\$50.00				\$0.00		\$0.00		\$0.00		\$100.00
Side Scan Sonar	\$600.00				\$0.00		\$0.00		\$0.00	3	\$1,800.00
Dive Gear	\$22.00				\$0.00		\$0.00		\$0.00	12	\$264.00
Scuba Tanks	\$6.00				\$0.00		\$0.00		\$0.00	36	\$216.00
MiniDV Videotape (1 hr)	\$10.00				\$0.00		\$0.00		\$0.00	6	\$60.00
parker Gas	\$3.00				\$0.00		\$0.00		\$0.00	50	\$150.00
Subtotal					\$0.00		\$0.00		\$0.00		\$6,901.00
Travel:											
Per Diem	\$154.00				\$0.00		\$0.00		\$0.00	3	\$462.00
Drinks/Ice/lunch	\$20.00				\$0.00		\$0.00		\$0.00	18	\$360.00
MRI Truck	\$150.00				\$0.00		\$0.00		\$0.00	5	\$750.00
Car	\$63.33				\$0.00		\$0.00		\$0.00		\$126.66
Gas	\$2.600				\$0.00		\$0.00		\$0.00	50	\$130.00
Parking/Tolls	\$14.00				\$0.00		\$0.00		\$0.00	2	\$28.00
Subtotal					\$0.00		\$0.00		\$0.00		\$1,856.66
TOTAL OTHER DIRECT COSTS					\$20.00		\$0.00		\$0.00		\$10,335.16
SUBTOTAL ESTIMATED COST					\$14,216.00		\$1,621.00		\$4,114.00		\$276,989.16
					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL ESTIMATED COST					\$14,216.00		\$1,621.00		\$4,114.00		\$276,989.16

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Humiston and Moore Engineers Continuing Contract for Coastal and Marine Engineering

Contract R2004-2378 dated Nov. 16, 2004 for period of two years expires on Nov. 15, 2006

Contract Amendment R2006-2662 dated December 5, 2006 extends contract through November 15, 2007.

SBE-MBE Goal 25.0% (10% SBE/Women; 10% SBE/White Male; 5% WBE)

Task order summary:

TASK NUMBER	TOTAL/ SBE and/or MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
2378-01	533,249.34 81,178.00	08/31/06	Singer Island Erosion Control Project - Phase I	BCC 05/03/05
2378-02	49,875.00 0.00	03/31/06	Artificial Reef Monitoring Study 2005/2006	CRC 06/08/05
2378-03	16,409.16 4,763.00	08/26/05	Peanut Island Reef Lagoon Flushing Study	CRC 07/27/05
2378-04	14,549.28 2,471.00	08/12/05	Light Harbor Marina Hydrographic Survey and Flushing Analysis	CRC 07/27/05
2378-05	49,332.84 0.00	5/31/06	Nearshore Hardbottom Mitigation Reef Design	CRC 12/7/05
2378-06	384,104.86 0.00	3/27/09	Singer Island Environmental Impact Statement	BCC

Total: 1,047,520.48

SBE-MBE: 88,412.00

SBE-MBE Participation: 8.4%

Report Date & Filename: 01/22/07

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R2004 2378

**CONTRACT FOR PROFESSIONAL CONSULTANT SERVICES
BETWEEN PALM BEACH COUNTY AND
HUMISTON & MOORE ENGINEERS**

This is a Contract made as of NOV 16 2004, 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 Humiston and Moore Engineers, 5679 Strand Court, Naples, Florida 34110, 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 65-0262357.

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, February 28, 1991, 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 the day and year first written above 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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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.

ATTEST: DOROTHY H. WILKIN, CLERK
Board of County Commissioners
By: [Signature]
Deputy Clerk
FLORIDA

R2004 2378

PALM BEACH COUNTY NOV 16 2004
BOARD OF COUNTY COMMISSIONERS:

By: [Signature]
Tony Masilotti Chair

WITNESS:
Celia M. Fellows
Signature
Celia M. Fellows
Name (type or print)

CONSULTANT:
Humiston and Moore Engineers
Company Name
[Signature]
Signature

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

By Anne Delgent
Assistant County Attorney

APPROVED AS TO TERMS
AND CONDITIONS:

By [Signature]
Richard E. Walesky, Director
Dept. of Environmental Resources Mgmt.

Kenneth K. Humiston, P.E.
Name (type or print)

President
Title
(corp. seal)

EXHIBIT B



FEE SCHEDULE FOR 2004-2006

	<u>Wage Rate</u>	<u>Multiplier</u>	<u>Billable Rate</u>
Project Manager*	\$ 61.42	2.75	\$ 168.91
Project Engineer*	\$ 48.64	2.75	\$ 133.76
Staff Engineer	\$ 30.56	2.75	\$ 84.05
Engineering Tech.	\$ 26.71	2.75	\$ 73.44
Project Coordinator	\$ 26.07	2.75	\$ 71.69
Administrative Asst.	\$ 19.53	2.75	\$ 53.72

* Registered Professional Engineer, or Engineer Ph.D.

Project Manager	Senior engineer or higher: Project coordination with clients, subconsultants, tasks and budgeting.
Project Engineer	Senior engineer or higher: performs or oversees technical design tasks and permitting
Staff Engineer	Assists Project Engineer with technical analysis, design, permitting, and oversees data collection and data reduction.
Engineering Technician	Engineering Technician - Possess formal engineering education and work experience; has not completed the course of study to earn a degree in Engineering. Assist project and Staff Engineers, data collection, data reduction, post-processing of analytical results.
Project Coordinator	Coordinate administrative procedures and tracks permitting progress of project for billing, and expenses. Assist Project Manager as needed. Coordinate with regulatory agencies during permitting process.

Color copies, photocopies and other miscellaneous H&M office expenses are not billed as expenses. The time spent is billed in staff time. The expense is included as overhead.
Courier, Fedex and other outside costs, are billed at cost to Humiston & Moore. Backup of cost provided.

Combined Team Equipment Fee Schedule

Plotting (Printing done in house)	\$25.00/Sheet
Photo/Bond 24" x 36"	\$10.00/Sheet
Standard 24" x 36"	
Plotting (Printing not done in house)	
Cost billed to H&M	

	<u>Rates Per Day</u>
Penetrometer	\$ 25.00
GPS Equipment	\$ 25.00
Flow Meter	\$ 100.00
Turbidity Meter	\$ 50.00
Survey Launch I (12'-19' Boat)	\$ 275.00
Survey Launch II (23' or more Boat)	\$ 400.00
Survey Truck	\$ 75.00
Side Scan Sonar System (digital)	\$ 750.00
Magnetometer System	\$ 350.00
350-Ford Truck	\$ 150.00
Integrated Environmental Tow Sled	\$ 450.00
DGPS Leica 941DX	\$ 150.00
Hypack Navigational Software	\$ 150.00
Raytheon DE-719 MKII Fathometer	\$ 125.00
Sony Digital Still Camera System w/ underwater housing	\$ 100.00
Sony Digital Underwater Video System	\$ 250.00
Nikonos Underwater Still Camera System	\$ 100.00
Underwater Video System w/ integrated DGPS	\$ 250.00
Commercial Diving Equipment	\$ 300.00
Honda Portable Air Compressor (Pneumatic Tools)	\$ 50.00
Scuba Gear (Per Man)	\$ 25.00
Scuba Tanks (Per Tank)	\$ 8.00
Mako Electric 9.5cfm compressor Scuba	\$ 150.00

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EXHIBIT B

Shallow-water Dive Compressor (Third Lung)	\$	150.00
Generators	\$	75.00
28-ft & 25-ft Survey Vessel	\$	650.00
23-ft Survey Vessel	\$	450.00
R.V. Artemis (30' Research Vessel)	\$	1,650.00
Portable R.V. (24' Sampling Platform-Inshore)	\$	950.00
Runabout (17' McKee Craft)	\$	450.00
Navigation System	\$	125.00
Vibracore Equipment	\$	600.00
Grab Sampler	\$	45.00
Consumables		Per 20'
Galvanized Sample Barrels	\$	125.00
Aluminum Sample Barrels	\$	75.00
Reporting Services		
Grain Size Analysis	\$	50.00 per Sample
Core Photography	\$	60.00 Per Core
Geologic Logging	\$	60.00 Per Core

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