Agenda Item #: 3L-4

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: March 13, 2007 (X) Consent ( ) Regular ( ) Workshop ( ) Public Hearing

Department

Submitted By: Environmental Resources Management
Submitted For: Parks and Recreation

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Task Order No. 2377-10 to a continuing Contract (R2004-2377) with Taylor Engineering, Inc. (Taylor) in the amount of $126,593 to provide professional engineering design and permitting services in support of Phase II of a redevelopment plan for Dubois Park.

Summary: The BCC approved the Contract with Taylor on November 16, 2004 (R2004-2377) and extended the Contract on December 5, 2006 (R2006-2661). Nine (9) task orders totaling $421,222.80 have been issued under the Contract. Task Order No. 2377-10 authorizes Taylor to prepare an Environmental Resource Permit (ERP) application and provide final engineering designs, construction plans and specifications for the recommended infrastructure improvements within Dubois Park. The improvements include creation of a docking facility with approximately twenty-four (24) 30-foot day slips, a snorkeling area and stabilization of the shoreline. Taylor is committed to an overall 20% small business and minority business enterprise (SBE-MBE) participation in the Contract. This Task Order has 1.7% SBE participation. Taylor has achieved 17.5% cumulative SBE-MBE participation on the Contract including this Task Order. District 1 (JM)

Background and Justification: Following Hurricanes Jeanne and Frances, Dubois County Park suffered extensive damage to its tidal lagoon, shoreline, and vegetation causing the park to be closed to the public. Task Order No. 2377-02, which the BCC approved on April 4, 2005, authorized Taylor to begin work on Phase I of the redevelopment plan, which provided concept development, data collection, and preliminary site design and engineering. Following completion of Phase I, Taylor presented its recommendations to the Parks and Recreation Department. This Task Order No. 2377-10 will complete the permitting, engineering and design plans for the infrastructure improvements approved by the Parks and Recreation Department. The Department of Environmental Resources Management (ERM) is submitting this Board Item on behalf of the Parks Department because ERM administers Taylor's contract.

Attachments:
1. Task Order No. 2377-10 with Contract History and Budget Availability Statement
2. Contract (pages 1, 17, Fee Schedule)

Recommended by: Richard E. Walesky 2/21/07
Department Director **Date**

Approved by: Robert Weisman 3/7/07
County Administrator **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2007	2008	2009	2010	2011
Capital Expenditures	$126,593				
Operating Costs					
External Revenues					
Program Income (County)					
In-Kind Match (County)					
NET FISCAL IMPACT	$126,593				
# ADDITIONAL FTE POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes X No ____

Budget Account No.: Fund 3600 Department 581 Unit P474 Object 6505
Fund 3601 Department 581 Unit P474 Object 6505
Program ____

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

Park Improvement Fund $126,292
Park Impact Fees Fund $301

C. Department Fiscal Review:

III. REVIEW COMMENTS

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

3-5-07
OFMB mg 3/5/07 03/1/17

3/6/07
Contract Development and Control EJones 3/6/07

B. Legal Sufficiency:

3/7/7
Assistant County Attorney

This item complies with current County policies.

C. Other Department Review:

_____
Department Director

Attachment 1

TASK ORDER

TASK ORDER: 2377-10 CONSULTANT: Taylor Engineering, Inc.

ACCOUNT: 3601/3600-581-P474-6505 CONTRACT: R2004-2377, R2006-2661
[Fiscal approval of Budget Availability: see attached]

PROJECT MANAGER: Kimberly Zachar PHONE: 561-233-2465

CONTRACT MANAGER: Juan Cueto PHONE: 561-233-2431

PROJECT NAME: Dubois Park Redevelopment – Phase II

LOCATION/DISTRICT #: Jupiter (District 1)

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall in Phase II further develop the infrastructure improvements recommended in Phase I, which include creation of a docking facility, snorkeling area and stabilization of the shoreline, completion of an updated natural resource survey and limited site utility survey, and conduct further flushing analysis prior to completing the ERP application. In addition, Taylor Engineering will provide the final engineering designs and construction plans & specs for the recommended improvements as described in the Scope of Work (SOW)/Proposal.

DELIVERABLES: See scope of work dated 12/20/06.

TASK ORDER TYPE: FIXED PRICE DUE DATE: December 13, 2007

TOTAL AMOUNT $ 126,593.00 See attached spreadsheet dated 12/20/06
RETAINAGE: $ 0.00

(Check 1 or both) for Subcontract Amounts:	Black	Hispanic	Women	Other (specify)
M/WBE ☐	$	$	$	$
SBE ☒	$	$	$ 2,200.00	$

TOTAL SBE-M/WBE PARTICIPATION: $ 2,200.00

CONSULTANT REP: Li Ling Song DATE: 2/7/07

DIVISION DIRECTOR: [signature] DATE: 2/8/07

ENV. CONTRACT MGR: [signature] DATE: _____

APPROVED AS TO TERMS AND CONDITIONS:

ERM DIRECTOR: Richard E Walesky DATE: 2/21/07

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

ASSISTANT COUNTY ATTORNEY: _____ DATE: _____

BOARD OF COUNTY COMMISSIONERS: _____ DATE: 3
Addie L. Greene, Chairperson

T A Y L O R E N G I N E E R I N G I N C

February 6, 2007

Mr. Daniel Bates
Palm Beach County DERM
3323 Belvedere Road
Building 502
West Palm Beach, Florida 33406-1548

RE: Dubois Park Phase II Proposal
P2006-129

Dear Mr. Bates:

Taylor Engineering is pleased to present this proposal to Palm Beach County to provide permitting and engineering design services for the above referenced project. Attachment A describes the scope of services for the proposed tasks. Attachment B provides a detailed breakdown of costs by task. Attachment C details our proposed schedule. We propose to perform this work for a fixed, lump sum fee of $126,593.

I trust this information satisfies your requirements. Please call Ji-Ang Song or me if you have questions concerning this proposal. We look forward to working with you on this project.

Sincerely,

Kenneth R. Craig, P.E.
Associate Vice President – Coastal Services

Attachments

4

11351 CYPRESS GREEN DR SUITE 200 JACKSONVILLE FL 32256 TEL 904 731 7040 FAX 904 281 0831

ATTACHMENT A
Revised December 20, 2006
P2006-129

SCOPE OF SERVICES FOR
FINAL DESIGN AND ENVIRONMENTAL PERMITTING SERVICES
DUBOIS PARK REDEVELOPMENT, PALM BEACH COUNTY, FLORIDA

-- PROJECT DESCRIPTION –

The 18.69-acre Dubois Park, a County owned and operated waterfront facility, lies immediately south of Jupiter Inlet in northern Palm Beach County. Dubois Creek, leading south from the inlet, forms the eastern park boundary. A peninsula extending westward along the inlet forms the northern park boundary. The shoreline contains an extensive amount of old concrete tailings and a swimming beach. The County abandoned a series of day docks, located south of the peninsula, because of structural failure and shoaling problems. In 2004, waves overtopped the peninsula during the hurricane season and, as a result, extensive vegetation damage occurred. Current park facilities include a group picnic pavilion, multiple single table picnic areas with grills, restroom facilities, showers, and parking.

The Dubois Park Redevelopment Phase I portion of this project, completed in July 2006, examined several infrastructure improvements to the park facilities. Recommended improvements, and thus the basis of this Phase II Scope of Services, include the following park enhancements:

> *DOCKING FACILITY* — Creation of approximately 24 30-ft day slips along the southern boundary of the peninsula area.
>
> *SNORKELING AREA* — Creation of a snorkeling area offshore of the north park boundary.
>
> *SHORELINE STABILIZATION* — Stabilization of the eastern terminus of the existing revetment (located along the western tip of the peninsula) to an as-yet undetermined eastern location. Stabilization of material occurring within vicinity of the snorkeling area and along the length of the docking facility will also likely require consideration.

We base our proposal on the following conditions and assumptions:

- This proposal excludes payment of any environmental permit application fees associated with this project;
- This proposal excludes providing on-site utilities (i.e., electrical, potable water, sanitary sewer, telephone, cable television or internet connectivity, etc.) in the area of the docking facility; and,
- A submerged lands lease exists within the area of the proposed docking facility.

If these assumptions prove incorrect, we will modify our scope of services and associated costs, as required, and will submit a revised scope of services and budget to you.

5

ATTACHMENT A
Revised December 20, 2006
P2006-129

-- SCOPE OF SERVICES --

TASK 1 SITE INVESTIGATION

1.1 Updated Natural Resource Survey

Although the Phase I natural resources survey failed to identify any sensitive environmental communities within the immediate project footprint, regulatory agencies will require an updated natural resource survey. The limited survey will include identifying, mapping, and estimating percent cover of any natural resource identified between 50 ft and 200 ft (within the snorkeling area) water ward of the shoreline at 25-ft shore parallel transects running the length of the subject shoreline for a total of 7 possible transects. Depending on water visibility, transect spacing distance may increase or decrease to allow the diver to identify natural resources within the project areas. If our divers observe natural resources in the area, we will identify and map resources to the lowest taxon feasible. We will also record the location, on geo-referenced aerial photographs, of any emergent shoreline vegetation within the immediate vicinity of the proposed project area. All mapping will occur with a differentially corrected global position system (DGPS).

After completion of the field survey, we will develop a report that includes a description of survey methodology, survey conditions, and a description of each natural resource observed. The report will include summary tables that show natural resource acreages and figures depicting submerged natural resource locations and boundaries. If necessary, we will meet with appropriate regulatory agency staff at the site to verify the survey results.

1.2 Limited Site Utility Survey

Taylor Engineering, via our subconsultants (Betsy Lindsay, Inc. and Inframap Corporation), will collect utility information near the proposed project site. Inframap will provide the underground utility location information (via flagging or paint marking) and Betsy Lindsay will provide the survey information (signed and sealed by a Florida professional surveyor) in digital and hard copy format. This survey, documenting the location and elevation of underground utilities within the project area, will provide key information for project design and construction.

Deliverables for Task 1 include:

- Updated Natural Resources Survey Report
- Limited Site Utility Survey – Signed and Sealed
- Palm Beach County GIS Data Sheet
- Electronic CAD files
- ASCII Data files

TASK 2 ENVIRONMENTAL RESOURCE PERMIT APPLICATION

2.1 Flushing Analysis — We will perform the appropriate flushing calculations on the final project configuration to ensure the proposed docking facility and snorkeling area will meet state water quality standards for pollutant residence time. We will include the results of this analysis in a format suitable for inclusion with the permit application package.

6

2.2 Preparation of Material for ERP Permit Application — Renovation and expansion of the current park facilities requires development and application of state and federal permits. Taylor Engineering will prepare and submit, on behalf of Palm Beach County, a Joint Environmental Resource Permit (ERP) Application based on project plans prepared in Phase I and other tasks of this proposed scope of services. The client will assume responsibility for payment of all permit application fees. We further assume that permission to use sovereign submerged lands presently exists; therefore, this proposal excludes services to acquire or modify a sovereign submerged land lease. Following submittal of the permit application, we will maintain regular contact with the regulatory agencies to facilitate agency review. To help the County gauge expected facility construction costs, this sub-task also includes an order-of-magnitude cost estimate for the park improvements.

We anticipate submission of the following permit-level drawings:

- Docking facility basin geometry and hydraulic design;
- Basin dredging design and dredged material management program, if required;
- Docking facility layout;
- Layout of construction for shoreline stabilization and shoreline amenities; and,
- Typical cross sections for docks, bulkheads, seawalls, and revetments

2.3 Response to Request for Additional Information (RAI) — After receiving the permit application, both the state and federal agencies will likely respond with a Request for Additional Information (RAI). RAIs typically comprise a series of questions requiring additional explanation of the proposed project work. Accordingly, our cost estimate includes one RAI response limited to clarifications of environmental and engineering issues each from the U.S. Army Corps of Engineers and the Florida Department of Environmental Protection. We have budgeted 30 man-hours to address the RAI responses.

Deliverables for Task 2 include:

- Flushing study report
- Two hardcopies and one electronic copy of the ERP application (one to the State and one to the County), RAI response(s), and any permit issued as a result of work under this task (i.e., through responses to RAI #1).
- Drawings: five (5) sets of 8.5 in. x 11 in. or 11 in. x 17 in. bond paper plots, signed and sealed by a licensed Florida Professional Engineer, and corresponding digital format drawing files in AutoCAD 2004 format
- Order-of-magnitude cost estimate

TASK 3 FINAL ENGINEERING DESIGN

3.1 Docking Facility — Taylor Engineering will provide design services for the structural members and components for the docking facility located along the southern boundary of the peninsula. As presently conceived from the Phase I portion of this study, the area will include more than 24 day-use berths up to 30 ft in length. Based on our current understanding of the project, the structural design will include an aluminum or concrete framing system supported by precast concrete piles, classified as non-habitable structures, and designed for pedestrian, mooring, and wave loads. We will provide design drawings for piles and docks and include details of representative structural connections. This sub-task excludes dock utility design (i.e., lighting, water/sewer, fuel supply).

7

3.2 Snorkeling Area — Creation of a snorkeling area will occur offshore of the north park boundary. Applying the results of the Phase I model investigation and flushing analysis (*May 2006 Taylor Engineering Technical Memorandum Dubois Park Restoration Project Snorkel Area Alternatives Modeling and Marina Shoaling*), Taylor Engineering will complete the design of the snorkel area. The design will satisfy two ends: protect snorkelers from high velocity tidal currents (via the placement and spacing of submerged revetments) and ensure sufficient flushing of the basin to maintain water quality standards. Based on previous evaluations, the design will consider a maximum current speed of 0.2 – 0.5 ft/sec for this area. This sub-task also includes a coordination meeting with Palm Beach County to discuss model results and preferred final design considerations.

3.3 Shoreline Stabilization — Taylor Engineering will provide design services to stabilize material that will occur along the peninsula, the snorkeling area, and within the docking facility area.

Peninsula Stabilization. Having selected the appropriate solution (rubblemound revetment), Taylor Engineering will proceed with a final design by taking into account its previously submitted report, *Dubois Park Restoration Report, Shoreline Stabilization Report* (May 2006). Consideration of functional efficiency and costs may produce further shoreline stabilization alternatives. However, these variations and adjustments will tend to concentrate on minor details of the plan layout and detailing of the cross section. Note that varying conditions around the park shoreline may warrant different design cross sections.

Snorkeling Area. Given the results for the spacing and location provided in sub-task 3.2, Taylor Engineering will design an emergent breakwater to control the expected design wave and current loads and minimize hazardous swimming conditions within the snorkeling area. This sub-task will provide required engineering design parameters (e.g., crest length, width, side slope, stone size, and elevation of the breakwater) to provide final engineering design documents.

Final peninsula revetment and snorkeling area breakwater design will address the following aspects:

- Overall plan geometry (e.g., side slopes, crest level);
- Armor (seaward face, toe, crest, rear face);
- Underlayers and filter layers (and core material for the breakwater);
- Foundation; and
- Arrangements at limits of or transitions between parts of structure

We will assess the above aspects by reviewing and performing design calculations for wave runup levels and overtopping rates to set the crest level, armor stability to ensure statically stable stone, filter layer criteria to prevent migration of smaller material through the armor layer, settlement to ensure maintenance of the design crest elevation, and joints and transitions to limit the vulnerability of the revetment to erosion continuing around its ends and to failure at any transitions between the revetment and breakwater and another structure.

Docking Facility. To help prevent potential shoaling problems resulting from bank material eroding from the peninsula area, this task also includes the design of a seawall located along the entire length of the docking facility area. We will design the stabilization members including seawalls, bulkheads, or revetments within this area. The design will incorporate materials such as heavy timber, steel sheet pile, and concrete sheet pile, as appropriate for the project area and in consideration of the overall desired aesthetic of the development. The shoreline stabilization design will consider expected storm conditions.

3.4 Dredging Design — Near the docking facility and snorkeling area, Taylor Engineering will analyze the previously collected geotechnical and bathymetric data to determine feasible dredged material

8

handling strategies. From sub-tasks completed in 3.1 and 3.2 above, we will design the interior docking facility basin and snorkeling area to meet the design vessel traffic mix and State of Florida water quality requirements. The dredging design will also include design of dewatering facilities, sized appropriately to manage expected construction dredge production rates.

3.5 Construction Plans and Specifications — Taylor Engineering will provide construction drawings and technical specifications for each of the above-identified design tasks (i.e., docking facility, snorkeling area, shoreline stabilization, and dredged material management). Taylor Engineering will provide the final (100%) construction drawings, construction quantities and cost estimate of major components, and technical specifications for the project. Construction plans will consist of one set of reproducible 22 in. x 34 in. drawings and one set of reproducible 11 in. x 17 in. drawings, and the technical specifications in PDF format. Palm Beach County will provide the contract and bid documents for inclusion with the project's technical specifications.

Deliverables for Task 3 include:

- Drawings: one (1) set of reproducible 22 in. x 34 in drawings and one (1) set of 11 in. by 17 in. bond paper plots, signed and sealed by a licensed Florida Professional Engineer, and corresponding digital format drawing files in AutoCAD 2004 format. Plans to be in State Plane Coordinates, Florida East Zone, NAD83 and NAVD88.
- Palm Beach County GIS Data Sheet
- Technical Specifications in PDF format
- Construction Cost Estimate in PDF format

9

ATTACHMENT B

TAYLOR ENGINEERING, INC.
COST SUMMARY

I. LABOR COST

	Man-Hours											
Description	**Taylor**	**President**	**VP**	**Director**	**Sr Prof**	**Proj Prof**	**Prof**	**Sr Edit**	**Sr Tech**	**Tech**	**Admin**	**Totals**
Hourly Burdened Rate	235.00	196.00	140.00	113.00	97.00	86.00	69.00	83.00	57.00	46.00	57.00	
Task 1: SITE INVESTIGATION												
1.1 Updated Natural Resource Survey	0.0	0.0	1.0	8.0	0.0	24.0	40.0	0.0	1.0	6.0	4.0	6,429.00
1.2 Limited Site Utility Survey	0.0	1.0	0.0	1.0	0.0	4.0	0.0	0.0	2.0	0.0	1.0	824.00
Task 1 Totals	0.0	1.0	1.0	9.0	0.0	28.0	40.0	0.0	3.0	6.0	5.0	7,253.00
Task 2: ENVIRONMENTAL RESOURCE PERMIT APPLICATION												
2.1 Flushing Analysis	0.0	3.0	3.0	9.0	60.0	0.0	4.0	2.0	0.0	0.0	3.0	8,458.00
2.2 Preparation of Material for ERP	0.0	1.0	2.0	2.0	0.0	24.0	32.0	0.0	0.0	0.0	8.0	5,430.00
2.3 Response to RAI	0.0	1.0	2.0	4.0	0.0	10.0	12.0	0.0	0.0	0.0	2.0	2,730.00
Task 2 Totals	0.0	5.0	7.0	15.0	60.0	34.0	48.0	2.0	0.0	0.0	13.0	16,618.00
Task 3: FINAL ENGINEERING DESIGN - PLANS & SPECIFICATIONS												
3.1 Docking Facility	0.0	0.0	0.0	16.0	0.0	0.0	60.0	0.0	16.0	40.0	0.0	8,700.00
3.2 Snorkeling Area	0.0	4.0	5.0	12.0	82.0	0.0	80.0	0.0	0.0	0.0	20.0	17,454.00
3.3 Stabilization	4.0	1.0	17.0	36.0	84.0	4.0	40.0	0.0	16.0	24.0	10.0	21,422.00
3.4 Dredging	0.0	0.0	0.0	4.0	4.0	24.0	0.0	0.0	4.0	12.0	2.0	3,798.00
3.5 Construction Plans & Specs	2.0	9.0	9.0	52.0	192.0	60.0	80.0	6.0	40.0	72.0	12.0	45,448.00
Task 3 Totals	6.0	14.0	31.0	120.0	362.0	88.0	260.0	6.0	76.0	148.0	44.0	96,822.00

LABOR TOTALS — HOURS	*6.0*	*20.0*	*39.0*	*144.0*	*422.0*	*150.0*	*348.0*	*8.0*	*79.0*	*154.0*	*62.0*	***1,432.0***
LABOR TOTALS — COST	*1,410.00*	*3,920.00*	*5,460.00*	*16,272.00*	*40,934.00*	*12,900.00*	*24,012.00*	*664.00*	*4,503.00*	*7,084.00*	*3,534.00*	***$120,693.00***

II. OTHER DIRECT COSTS

Description	**Quantity**	**Unit Cost**	**Direct Cost**	**Burden**	**Burdened Cost**
Task 1: SITE INVESTIGATION					
Trimble Differential GPS	1.0	100.00	100.00	1.00	100.00
Betsy Lindsay, Inc.	1.0	2,200.00	2,200.00	1.00	2,200.00
INFRAMAP Corporation	1.0	3,600.00	3,600.00	1.00	3,600.00

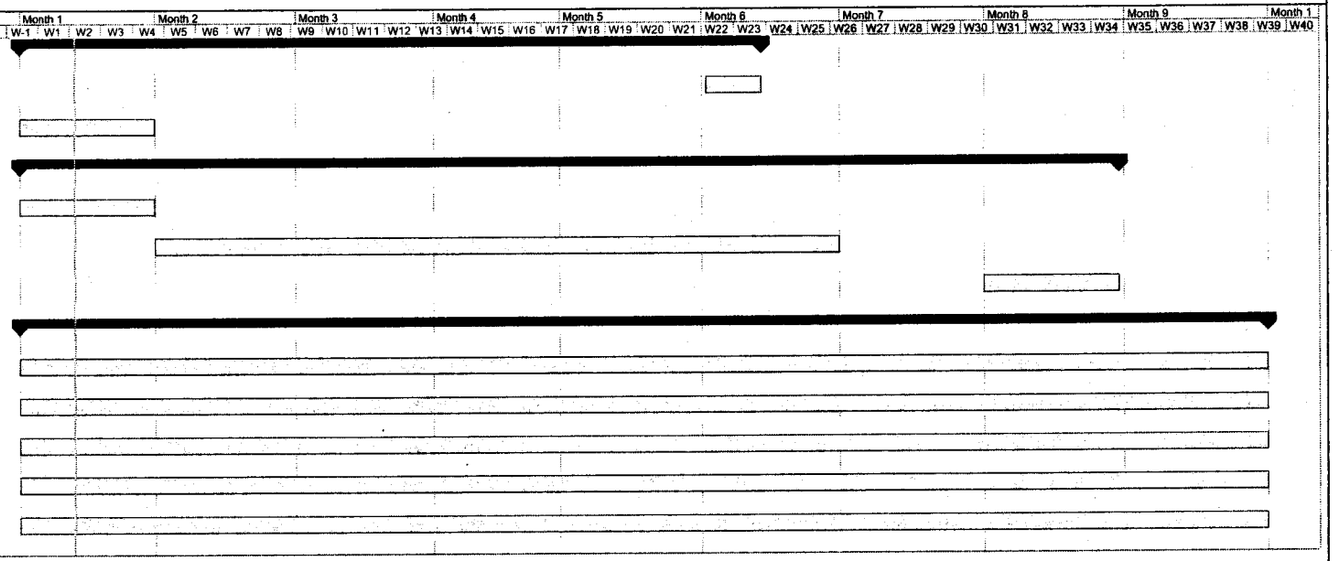
TOTAL OTHER DIRECT COSTS	*5,900.00*

TOTAL PROJECT COST	***$126,593.00***

2

ATTACHMENT C

ID	Task Name
1	**TASK 1: SITE INVESTIGATION**
2	Updated Natural Resource Survey
3	Limited Site Utility Survey
4	**TASK 2: ENVIRONMENTAL RESOURCE PERMIT APP**
5	Flushing Analysis
6	Preparation of Material for ERP Application
7	Response to RAI
8	**TASK 3: FINAL ENGINEERING DESIGN**
9	Docking Facility
10	Snorkeling Area
11	Shoreline Stabilization
12	Dredging Design
13	Construction Plans & Specifications



Project: Dubois Park Design & Permitt
Date: Mon 11/13/06

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

BETSY LINDSAY, INC.
SURVEYING AND MAPPING

July 31, 2006

Lori S. Brownell, P.E.
Director of Coastal Engineering
Taylor Engineering, Inc.
9000 Cypress Green Drive
Jacksonville, Florida 32256
Phone: (904) 731-7040
Fax: (904) 731-9847

SUBJECT: DUBOIS PARK- UTILITY LOCATES **(SURVEY)**

Dear Ms. Brownell:

Per your request, this proposal for professional services between Betsy Lindsay, Inc. (Consultant) and TAYLOR ENGINEERING, INC. (Client) has been prepared for your approval. The following sections outline the elements of my proposal for surveying services required for the **DUBOIS PARK - UTILITY SURVEY**

SUBJECT PROPERTY

That portion DUBOIS PARK, Jupiter, Florida, as highlighted on the aerial attached

SCOPE OF SERVICES

1. Establish Horizontal control via GPS tied to Florida State Plane coordinates, NAD 83/90, Fla, East. All control will be establishbed in accordance the specifications of the contract.
2. Establish vertical control tied to NAVD 1988. The bench mark on site was removed during the construction of the fishing jetty. It will be necessary to run a closed level loop to establish two onsite bench marks and on tide staff.
3. Locate all flagging and potholing created by the underground located company.
4. Add all newly located utilities to the previously prepared topographic survey.

12

Send all correspondence
7997 SW Jack James Drive
Stuart, FL 34997
(772) 286-5753 • Fax (772) 286-5933

208 North U.S. Highway One, #8
Tequesta, FL 33469
(561) 575-5275

DELIVERABLES

We will deliver 6 (six) signed and sealed copies of the survey on 24x36 format and an AutoCAD drawing file.

PROFFESSIONAL FEES

The fee for the services as described in items 1-4 will be a lump sum fee of $2,200.00

Any additional services required will be done on a time & materials basis.

Thank you for this opportunity to serve you. If you should have any questions or problems with regards to this proposal please do not hesitate to call me.

Respectfully,

Elizabeth A. Lindsay, P.L.S. (Betsy)
President

Approved and accepted this _____ day of _____, 2006, TAYLOR ENGINEERNG, INC. (client).

Witness:_____ _____
Authorized Client Representative

C:/mydocsbl5/TAYLOR/04DEBOIS-utility.doc

13

Send all correspondence
7997 SW Jack James Drive
Stuart, FL 34997
(772) 286-5753 • Fax (772) 286-5933

208 North U.S. Highway One, #8
Tequesta, FL 33469
(561) 575-5275

Date: July 28, 2006

Presented to: Taylor Engineering, Inc.
90000 Cypress Green Drive, Suite 200
Jacksonville, FL 32256
Phone No.: (904) 731-7040
Fax No.: (904) 731-9847

Attn: Mrs. Lori Brownell, P.E.

Project name: Utility Targeting Services
Dubois Park Restoration

As requested, we have prepared this proposal for underground utility targeting services for the above referenced project. This proposal is based upon phone conversations and aerial received at our office as well as site review by our personnel.

SUBURFACE UTILITY TARGETING SERVICE

Specifications and Work Process

In the performance of subsurface utility targeting, Accurate Locating, Inc. proposes to:

1. Utilize client provided records from utility companies, unless stated as an ALI function in the scope statement. Gathered materials will be used as an aid in the identification of the number, identity, size and material of utilities located in the field, and will not be used as a substitute for actual geophysical location unless the system cannot be verified electronically using industry standard techniques for this level of investigation.

2. Conduct a thorough electronic search of the site for the buried utility systems shown on records acquired. Verify that each utility has been electronically located and targeted. Also, conduct an electronic grid sweep of the site to search for utilities that do not appear on available records, and attempt to determine type. This investigation will be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. This investigation is not a ground penetrating radar sweep, nor will ground penetrating radar be used, unless specifically requested. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond our control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access. Where nonconductive or nonlocatable utilities are present, we will attempt to use all available information to place targeting in the field for those systems and generate notes for each such utility.

3. Designators will draft field sheets that show the location, trend and configuration of utilities detected. Field sheets will show all underground utility surface features and lines, and will be prepared with colored pencil to differentiate the utility systems. Utilities will be annotated with size and project specific field notes will be shown.

4. Field sheets will be provided to the project surveyors. Survey and computer drafting will be performed by others.

5. If the client provides ALI with plots of the utility file with referenced topography, ALI will provide a final office and/ or field review. The type of review will be determined on a project by project basis depending on complexity, unless specifically prearranged. Plots or plot files being given to ALI for review should show the utilities in color with base topography grayed.

6. This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities without prior knowledge, such as systems that are not depicted on records available to us. Further, this service is not intended to detect non-utility structures such as but not limited to: foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults and manholes. This service represents the best available data on subsurface utilities given a cost effective investigation that does not involve excavation. Use of this service does not relieve interested parties from their responsibility to make required notifications prior to excavation. Use of this service does not relieve utility owners of their responsibility to mark the location of their facilities prior to excavation. Accurate Locating, Inc. will not be responsible for damages to utilities caused by others.

SCOPE OF SERVICES

Project limits/description: Targeting at outlined area on aerial provided by client.

Utility systems and surface amenities to be investigated and documented: All utilities, excluding gravity storm and sanitary sewer systems. Commercial utility services will be designated. Residential utility services will not be designated.

Survey and computer drafting by others.

Project schedule: To begin within one week of NTP and to complete within two weeks of start, weather permitting.

FEE SCHEDULE

Lump Sum per project described.

LUMP SUM

Lump Sum: 1 @ $3,600 = $ 3,600.00

Total Project Estimate: = $3,600.00

This fee shown represents a lump sum to perform this work. This fee is based upon the project limits described. Should the scope of the project change, we will request additional compensation for additional work beyond this estimate. This fee will not be exceeded without prior authorization from the client.

PAYMENT TERMS

Terms of payment are subject to modification by seller (ALI). Buyer (client) agrees to make prompt payment of invoices due in accordance with Seller's approved terms, whether for complete or partial services. Terms: Net 30 days from completion of work and receipt of invoice. If payment is contingent upon Buyer being paid by a "Third Party" for services, Accurate Locating, Inc. (ALI) must be notified immediately of the name and address of the "Third Party". Buyer will submit invoices to the "Third Party" in a timely manner and ALI will receive payments from Buyer within 15 days of Buyer being paid. If this is not the case then ALI reserves the right to modify this clause to reflect a revised payment schedule.

Late Charge: A late payment service charge equal to 1.5% per month or the maximum charge allowed by applicable law, whichever is lower, shall be assessed on all amounts not paid when due. All accounts are net 30 days unless specifically agreed upon in writing.

Delinquency Collections: In the event Buyer fails to pay for any services when due, or should Buyer's account become otherwise delinquent, or in the event of Buyer's bankruptcy or insolvency, or in the event of Buyer's breach of this Agreement, then in any such event Seller may, at its option: (i) terminate any or all existing contracts; (ii) refuse to perform services under this or any other order; and/or (iii) avail itself of any other further remedies available to it at law or in equity. Buyer agrees to pay all cost of collection, including reasonable attorney's fees.

Presented by: _____

Jay Scagliola, PLS — Date
Inframap Corp.

Accepted: _____

Authorized Signature — Date

Taylor Engineering
Continuing Contract for Coastal and Marine Engineering

Contract R2004-2377 dated Nov. 16, 2004 for period of two years expires on Nov. 15, 2006
Contract Amendment R2006-2661 dated December 5, 2006 extends contract through November 15, 2007.
SBE-MBE Goal 20.0% (12% SBE/W; 8% MBE/H)
Task order summary:

TASK NUMBER	TOTAL/ SBE and/or MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
2377-01	18,817.00 0.00	1/31/05	Dubois Park Seawall Replacement	CRC 12/22/04
2377-02	123,688.00 28,280.00	8/30/05	Dubois Park Redevelopment - Phase I	BCC 04/04/05
2377-03	15,234.00 0.00	8/30/05	Jupiter/Carlin 24-Month Monitoring Report	CRC 06/15/05
2377-04	12,806.00 0.00	12/29/05	Juno Beach Shore Protection Project 4 Year Post-Construction Monitoring Report	CRC 10/19/05
2377-05	9,296.00 0.00	12/19/05	Dubois Park Timber Wall Design	ERM 11/22/05
2377-06	79,985.00 12,800.00	12/15/06	Bryant Park Feasibility Study & Conceptual Master Plan	BCC 2/28/06
2377-07	94,624.00 0.00	5/17/06	West Palm Beach Canal (C-51) Acoustic Survey	CRC 3/1/06
AMENDMENT NUMBER 1			Revised Exhibit B - Fee Schedule	ERM 5/18/06
2377-08	12,256.00 0.00	9/22/06	Jupiter/Carlin 3 Year Monitoring Report	ERM 7/25/06
2377-09	54,516.80 52,420.00	9/29/06	Palm Beach County Regional Monitoring: 189 Onshore Beach Profiles	CRC 8/9/06
AMENDMENT NUMBER 2			1 Year Contract Extension R2006-2661	BCC 12/5/06
AMENDMENT NUMBER 3			Revised Exhibit B - Fee Schedule	ERM
2377-10	126,593.00 2,200.00	12/13/07	Dubois Park Redevelopment - Phase II	BCC

Total: 547,815.80
SBE-MBE: 95,700.00
SBE-MBE Participation: 17.5%
Report Date & Filename: 02/06/07 T:\eer\engser\consult\TAYLOR_2006\[history_2377.xls]Sheet1

PALM BEACH COUNTY
PARKS & RECREATION DEPARTMENT
BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 01/24/07 **REQUESTED BY:** Kimberly Zachar **PHONE#:** 233-2465
FAX #: 233-2414

PROJECT TITLE: Dubois Park **PROJECT #**

ORIGINAL CONTRACT/ANNUAL AMOUNT: $126,593.00 **BCC ESOLUTION#/DATE:**

CONTRACTOR/CONSULTANT: Taylor Engineering, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

Final design and environmental permitting services for day slip docking facility, snorkeling area and shoreline stabilization

AMOUNT REQUESTED ON THIS BAS:

CONSTRUCTION	
ARCHITECTURE/ENGINEER	
*STAFF COSTS	
BOND WAIVER	
EQUIPMENT	
OTHER	$126,593.00
TOTAL	$126,593.00

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3600	DEPT: 581	UNIT: P474	OBJECT: 6505	AMOUNT:	$126,292.00
3601	581	P474	6505		$301.00
					$126,593.00

wpw

BAS APPROVED BY: _____ **DATE:** _____

Encumbrance: _____

18

FUNDING SOURCE(S)

- ☐ Bond
- ☑ Impact Fees
- ☑ Park Improvement Fund
- ☐ Ad Valorem
- ☐ Other

BAS APPROVAL

- ☑ FULLY FUNDED WITHIN CURRENT BUDGET ck
- ☐ FULLY FUNDED PENDING BUDGET TRANSFER _____

Attachment 2

R2004 2377

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

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 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, 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.

19

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.

R2004 2377

DOROTHY H. WILKEN, CLERK
ATTEST: Board of County Commissioners
By: _____ Clerk
DEPUTY CLERK
By: _____
Deputy Clerk

PALM BEACH COUNTY NOV 16 2004
BOARD OF COUNTY COMMISSIONERS:

By: _____
Tony Masilotti Chair

WITNESS:

Carla Cannon
Signature

Carla Cannon
Name (type or print)

CONSULTANT:

Taylor Engineering, Inc.
Company Name

Ji-Ang Song
Signature

Ji-Ang Song, P.E.
Name (type or print)

President
Title

(corp.seal)

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:

By Anne Helgemo
Assistant County Attorney

APPROVED AS TO TERMS
AND CONDITIONS:

By _____
Richard E. Walesky, Director
Dept. of Environmental Resources Mgmt.

20

EXHIBIT B
Taylor Engineering, Inc.
Schedule of Hourly Labor Rates
and Equipment Fees and Other Direct Costs
for 2006
Palm Beach County
Coastal & Marine Engineering Services

Position	Weighted Average Direct Hourly Wage	Burdened Hourly Billing Rate*
CEO	82.40	235.00
President	68.92	196.00
Vice President	48.99	140.00
Director	39.62	113.00
Senior Professional	34.04	97.00
Project Professional	30.29	86.00
Staff Professional	24.25	69.00
Senior Editor	29.22	83.00
Sr. Technical Support	19.84	57.00
Technical Support	16.15	46.00
Administrative	20.02	57.00

Equipment Fee and Other Direct Costs	Rate	Unit
Black & White Photocopies (8-1/2 x 11)	$0.10	/page
Black & White Photocopies (11 x 17)	$0.15	/page
Color Photocopies (8-1/2 x 11)	$1.00	/page
Color Photocopies (11 x 17)	$1.25	/page
Computer Generated Glossy Plots (24" x 36" Glossy Paper)	$60.00	/page
Computer Generated Glossy Plots (24" x 36" Standard Paper)	$30.00	/page
14' Aluminum Jonboat	$75.00	/day
Truck	$80.00	/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 Rate is based on a 2.85 mulitplier.