

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date: April 7, 2009

(x) Consent

() Regular

() Workshop

() Public Hearing

Department

Submitted By:

Environmental Resources Management

Submitted For:

Environmental Resources Management

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Task Order No. ERM09-03 to a continuing Contract with Bridge Design Associates, Inc. (BDA), in the amount of \$159,420 for construction phase services on the South Lake Worth Inlet (SLWI) north and south jetty rehabilitation and Bird Island seawall construction.

Summary: Inspections, shop drawing reviews, and progress meetings are necessary during the construction of the (SLWI) sand transfer plant, north and south jetty rehabilitation, and Bird Island seawall construction. Project funding includes a combination of a Florida Department of Environmental Protection grant, ad valorem, South Lake Worth Inlet District (SLWID) revenues, and interest on the SLWID revenues. Construction phase services are already in place for the sand transfer plant in Task Order No. ERM08-03 with BDA. There is 100% SBE consultant participation on this Task Order. District 4 (JM)

Background and Justification: The Contract with BDA was approved by the BCC on February 5, 2008 (R2008-0159) and renewed on February 3, 2009 (R2009-0186). Task Order No. ERM08-03 was approved on April 15, 2008 (R2008-0656) and authorized BDA to provide engineering services for cost-saving modifications to the design of the SLWI sand transfer plant and construction phase services for the sand transfer plant. A contract was awarded to Lucas Marine Construction, LLC for the construction of the SLWI projects on February 24, 2009 (R2009-0299).

Attachments:

1. Task Order No. ERM09-03 with Contract History
2. Contract (pages 1, 13, and Fee Schedule)

Recommended by:

Richard E. Walshy
Department Director

3/5/09
Date

Approved by:

[Signature]
County Administrator

3/23/09
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	<u>\$159,420</u>	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT *	<u>\$159,420</u>	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____
Is Item Included in Current Budget?	Yes _____		No _____		
Budget Account No.:	Fund <u>3900</u>	Department <u>381</u>	Unit <u>E454</u>	Object <u>3120</u>	
	Program _____				

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

- * Project funding includes a combination of a Florida Department of Environmental Protection grant, ad valorem, South Lake Worth Inlet District (SLWID) revenues, and interest on the SLWID revenues. 3653-381-M703-3439

C. Department Fiscal Review:

JP

III. REVIEW COMMENTS

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

John D. 3/16/09
OFMB *UD 3/17/09*
3/17/09

Dr. J. Jacob 3/17/09
Contract Development and Control
3/17/09

B. Legal Sufficiency:

James C. 3/19/09
Assistant County Attorney

This item complies with current
County policies.

C. Other Department Review:

Department Director

Attachment 1

TASK ORDER

TASK ORDER: ERM09-03 CONSULTANT: Bridge Design Associates, Inc.

ACCOUNT: 3900-381-14543120 CONTRACT: R2008-0159, R2009-0186
[Fiscal approval of Budget Availability: _____]

PROJECT MANAGER: Tracy Logue PHONE: 561-233-2491

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

PROJECT NAME: South Lake Worth Inlet Sand Transfer Plant Reconstruction, North and South Jetty Rehabilitation, and Bird Island Seawall Construction.

LOCATION (DISTRICT): South Lake Worth Inlet (District 4)

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall provide construction phase services during the South Lake Worth Inlet north and south jetty rehabilitation and Bird Island seawall construction, as specified in the proposal dated February 26, 2009.

DELIVERABLES: See scope of work/proposal attached.

TASK ORDER TYPE: FIXED PRICE DUE DATE: 2/25/2011

TOTAL AMOUNT \$ 159,420.00 See proposal/spreadsheets dated 2/26/2009
RETAINAGE: \$ 0

(Check 1 or both) for Prime & Subcontract Amounts:

		Black	Hispanic	Women	White Male
M/WBE	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	
SBE	<input checked="" type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$159,420.00
TOTAL SBE-M/WBE PARTICIPATION: \$ <u>159,420.00</u>					

CONSULTANT REP: B DATE: 2/28/09

DIVISION DIRECTOR: Est DATE: 3/5/09

APPROVED AS TO TERMS AND CONDITIONS:

ERM DIRECTOR: Richard E. Wainly DATE: 3/5/09

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

ASSISTANT COUNTY ATTORNEY: _____ DATE: _____

BOARD OF COUNTY COMMISSIONERS: _____ DATE: _____
John F. Koons, Chairman

BRIDGE DESIGN ASSOCIATES, INC.



BRIAN C. RHEAULT, P.E.

President

February 26, 2009

Palm Beach County ERM
2300 N. Jog Road
West Palm Beach, Florida 33411

ATTENTION: Tracy Logue

REGARDING: South Lake Worth Inlet
Construction Phase Services
North Jetty / South Jetty / North & South Walls / Bird Island

PROJECT NO.: 04-571

ENV. RES. MGMT.

Env. Enh. & Restoration	<input type="checkbox"/>
Natural Resources Stewardship	<input type="checkbox"/>
Resources Protection	<input type="checkbox"/>
Mosquito Control	<input type="checkbox"/>
Finance & Support Services	<input type="checkbox"/>
Director	<input type="checkbox"/>
Deputy Director	<input type="checkbox"/>
Other _____	<input type="checkbox"/>

Dear Tracy:

Pursuant to our meeting on February 17, 2009, Bridge Design Associates, Inc. can perform construction phase services at the above referenced project site as follows:

- Field Inspections & Reports
- Shop Drawing Reviews
- Attendance at 8 additional Monthly Progress Meetings (16 already included in the Sand Transfer Plant)

We anticipate the contract time will be 731 calendar days (2 years). Our estimated inspection manhours is based on the tasks required. Copies of inspection reports will be pdf'd to CID and ERM every Monday. Upon completion of the project three (3) bound books will be provided consisting of all inspection reports, test results, etc.

The inspections and associated manhours that are already contracted for the Sand Transfer Plant are not included in this proposal.

The attached Exhibit "D-1" is an approximate manhour breakdown for the above scope of services and a commentary on the hourly allocation to various tasks. The lump sum fee is \$159,420.00

If you have any questions, please give me a call.

Respectfully,

BRIDGE DESIGN ASSOCIATES, INC.

Brian C. Rheault, P.E.
President

RECEIVED
FEB 27 2009

ENVIRONMENTAL RESOURCES MANAGEMENT

BCR:kedS:\2004-Jobs\04-571-South Lake Worth Inlet Jetty\Correspondence\proposal D-1 02-26-09.wpd

COMMENTARY FOR EXHIBIT "D-1"

Detailed Scope of inspections included in the proposal.

NORTH JETTY

Field Inspector (1,004 hours)

- Drilling operation average 2 hours per pile (428)
- Driving of all piles average 1.5 hours per pile (321)
- Casting pile cap and deck panels, including rebar inspection
- Railing Installation
- Sidewalk topping slabs (reinforcing and casting)
- Inspect prestressed pile fabrication at the prestressed yard

NORTH & SOUTH TRAINING WALLS

Field Inspector (440 hours)

- Monitor steel sheeting placement
- Inspect tie-back supports
- Monitor grouting process

SOUTH JETTY

Field Inspector (66 hours)

- Monitor sidewalk topping (reinforcing and casting)
- Monitor jetty topping (reinforcing and casting)
- Inspect railing installation

BIRD ISLAND

Field Inspector (260 hours)

- Monitor sheet pile installation
- Monitor deadman installation
- Monitor pile cap (reinforcing steel and casting)

Chief Engineer

160 hours

Note: Budget 8 hours per month field inspection for 20 months, remaining 4 months accounted for in the Sand Transfer Plant inspections

Shop Drawings:

Included: Piles, pile hammer criteria
Reinforcing steel
Railing shop drawings
Sheet pile and miscellaneous metals
Precast deck slabs
Filter cloths
Bond breakers
Expansion joints
Concrete mixes
Grout mixes
Neophrene submittals

Monthly progress meeting 4 hours per month for 8 months = 32 hours

Note: 16 months were budgeted in the Sand Transfer Plant proposal (16+8=24)

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BRIDGE DESIGN ASSOCIATES, INC.

LAKE WORTH INLET CONSTRUCTION PHASE SERVICES
NORTH JETTY, SOUTH JETTY, NORTH & SOUTH WALLS, BIRD ISLAND
February 26, 2008
HOURLY BREAKDOWN OF SERVICES
EXHIBIT "D-1"

ACTIVITY	CHIEF ENGINEER	SENIOR ENGINEER	ENGINEER TECHNICIAN	ENGINEER INTERN	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$195.00	\$150.00	\$66.00	\$75.00		
North Jetty Field Inspections	40.0	24.0	1004.0		1068.0	\$77,664.00
North & South Training Walls Field Inspections	16.0	24.0	440.0		480.0	\$35,760.00
South Jetty	8.0	8.0	66.0		82.0	\$7,116.00
Bird Island	16.0	24.0	280.0		300.0	\$23,880.00
Shop Drawing Reviews	8.0	40.0		16.0	64.0	\$8,760.00
Monthly Progress Meeting	32.0				32.0	\$6,240.00
TOTAL MANHOURS	120.0	120.0	1770.0	16.0	2026.0	
DIRECT LABOR COST	\$23,400.00	\$18,000.00	\$116,820.00	\$1,200.00		\$159,420.00

ERM CONTRACT HISTORY
Bridge Design Associates, Inc.
Consultant for Structural Engineering Services

Contract R2008-0159 dated Feb. 5, 2008 expiring on Feb. 4, 2009

Contract Amendment R2009-0186 dated Feb. 3, 2009 extends contract thru Feb. 4, 2010

SBE Goal 100% (100% SBE/White)

Task order summary:

ERM TASK NUMBER	TOTAL/ SBE MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
ERM08-01	\$10,128.00 \$10,128.00	4/12/08	Loxahatchee Slough Pedestrian Bridge over C-18	ERM 3/11/2008
ERM08-03	\$355,672.50 \$355,672.50	8/13/08	Design Mods to SLWI Sand Transfer Plant & Utility Trench; Jetty Rehab; new Bird Isl Seawall	BCC 4/15/2008
ERM09-01	\$16,455.00 \$16,455.00	3/31/09	Juno Dunes Natural Area Shade Shelter and Boardwalk Design	ERM
ERM09-02	\$14,280.00 \$14,280.00	3/31/09	Snook Islands Natural Area Shade Shelter, Fishing Pier and Boardwalk	ERM
ERM09-03	\$159,420.00 \$159,420.00	2/25/11	SLWI Sand Transfer Plant Reconstruction, North & South Jetty Rehab, and Bird Island Seawall Construction	BCC

Total: 555,955.50

SBE-MBE: 555,955.50

SBE-MBE Participation: 100.0%

Report Date & Filename: 03/04/09

T:\eeringser\Consultants\BDA_2008\history_R2008-0159.xls]Sheet1

R2008 0159

Attachment 2

**STANDARD FORM OF AGREEMENT
BETWEEN
PALM BEACH COUNTY AND CONSULTANT
FOR
PROFESSIONAL SERVICES**

This is an Agreement made as of FEB 05 2008, 2008 between Palm Beach County, Florida (COUNTY) and Bridge Design Associates, Inc. (ANNUAL CONSULTANT), an engineering firm having an office and a place of business at 1402 Royal Palm Beach Boulevard, Building 200, Royal Palm Beach, Florida 33411, and having Federal Tax I.D. #65-0030131. The COUNTY intends to have the ANNUAL CONSULTANT provide structural engineering services required for County User Departments, on an as needed basis (hereinafter called the PROJECT).

The COUNTY and ANNUAL CONSULTANT in consideration of their mutual covenants herein agree in respect of the performance of professional structural engineering services by ANNUAL CONSULTANT and the payment for those services by COUNTY as set forth below.

SECTION 1 - BASIC SERVICES OF ANNUAL CONSULTANT

1.1 General

1.1.1 The ANNUAL CONSULTANT shall perform professional design services in connection with the PROJECT as hereinafter stated which shall include normal structural engineering services, more particularly described in Exhibit "A" (Scope of Services).

1.1.2 The ANNUAL CONSULTANT shall prepare all plans in accordance with Palm Beach County Thoroughfare Design Procedures, current standards adopted by AASHTO, and the Florida Department of Transportation Manual of Uniform Minimum Standards, and all other applicable professional and technical standards. Plans shall be based on the North American Datum of 1983 (NAD 83) 1990 Adjustment and the North American Vertical Datum of 1988 (NAVD 88). They shall be accurate, legible, complete in design, drawn to scale, and shall be suitable for bidding purposes, unless otherwise stated in Exhibit "A".

1.1.3. The ANNUAL CONSULTANT has, during the selection and negotiation process which has preceded this agreement, represented to the COUNTY that the ANNUAL CONSULTANT is possessed of that level of skill, knowledge, experience and expertise that is commensurate with engineering firms of national repute in the areas of practice required for this project. The ANNUAL CONSULTANT acknowledges that the COUNTY has relied on the ANNUAL CONSULTANT'S representations of skill, knowledge, experience and expertise. By executing this contract, the ANNUAL CONSULTANT agrees that the ANNUAL CONSULTANT will exercise that degree of care, knowledge, skill and ability as other engineering firms possessing the degree of skill, knowledge, experience and expertise which the ANNUAL CONSULTANT has claimed. The ANNUAL CONSULTANT shall perform such duties as may be assigned without neglect. The ANNUAL CONSULTANT accepts the relationship of trust and confidence established by this Agreement, and covenants with the COUNTY to cooperate with the COUNTY and to utilize the ANNUAL CONSULTANT'S skill, efforts and judgment commensurate with engineering firms of national repute in the areas of practice required for this project. The ANNUAL CONSULTANT agrees to perform each assignment in an efficient and economical manner consistent with the COUNTY'S interests and consistent with the COUNTY'S stated objectives and recognized professional engineering standards.

IN WITNESS WHEREOF, the parties have made and executed this Agreement as of the day and year first above written.

OWNER: R200800159
Palm Beach County, Florida FEB 05 2008
BY ITS BOARD OF COMMISSIONERS:

ANNUAL CONSULTANT:
Bridge Design Associates, Inc.

BY: Addie L. Greene
Addie L. Greene, Chairperson

BY: Brian C. Rheault
Brian C. Rheault, P.E., President


SEAL

CORPORATE SEAL

ATTEST:
Sharon R. Bock, Clerk & Comptroller
Circuit Court

ATTEST WITNESS:

BY: Mary Lou
(Deputy Clerk)



BY: KIM E. DROGGOS
(Print Name)

Kim E. Droggos
(Signature)

APPROVED AS TO TERMS
AND CONDITIONS:

BY: TIM SHERWOOD
(Print Name)

BY: Paul F. L.

T. S. L.
(Signature)

APPROVED AS TO FORM &
LEGAL SUFFICIENCY:

BY: Paul F. L.
Assistant County Attorney

EXHIBIT "B"**PALM BEACH COUNTY ANNUAL STRUCTURAL CONTRACT
Task Order Basis - Fee Schedule****FIRM:****BRIDGE DESIGN ASSOCIATES, INC.**

1402 Royal Palm Beach Blvd., Building 200
Royal Palm Beach, Florida 33411
Contact: Brian C. Rheault

email: bridgebbd@aol.com
Phone: (561) 686-3660 Fax: (561) 791-1995

Fee Schedule - Fiscal Year 2008		
Firm Name BRIDGE DESIGN ASSOCIATES, INC.		
	Raw Rate	*Burdened Rate
Chief Engineer / BCR	65.00	195.00
Senior Engineer / JCH - JEM	50.00	150.00
Engineering Intern / TAD - LAK - CBL	25.00	75.00
Engineering Technician / TSS	22.00	66.00
CADD / Computer Technician	31.00	93.00

Multiplier:

Salary 1.00

Overhead & Fringe 3.00
Subtotal 3.00

0% Profit 0.00

TOTAL 3.00

Sub-Consultants N/A

Bridge Design Associates, Inc. will provide "Additional Services, as Authorized and Approved by the Owner, Palm Beach County".