

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**AGENDA ITEM SUMMARY**

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<b>Meeting Date:</b> <b>April 21, 2009</b>	<b>Consent [X]</b> <b>Regular [ ]</b> <b>Public Hearing [ ]</b>
--------------------------------------------	--------------------------------------------------------------------

**Submitted By:**      **Water Utilities Department**  
**Submitted For:**    **Water Utilities Department**

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**I. EXECUTIVE BRIEF**

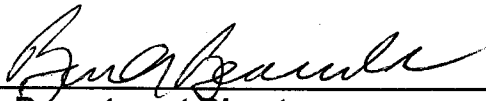

**Motion and Title: Staff recommends motion to approve: A) Consultant Services Authorization No. 2 to the contract with Carollo Engineers (R-2008-0526) for technical services related to the Water Treatment Plant (WTP) No. 2 anionic exchange treatment system in the amount of \$430,731 and B) Budget transfer within the Water Utilities Capital Improvement Fund in the amount of \$500,000.**

**Summary:** This Consultant Services Authorization includes design, permitting, and bidding services for an anionic exchange treatment system to replace the existing ozone treatment system at WTP No. 2. The anionic exchange process will remove the color compounds, improve the water quality and reduce energy compared to the existing ozone treatment process. Staff recommends a budget transfer to allow the ozone replacement project to be implemented at WTP 2 prior to WTP 8. The contract with Carollo Engineers includes the small business (SBE) participation goal of 40%, which exceeds the 15% goal established by the Palm Beach County Ordinance (No. 2002-064). This Consultant Services Authorization includes 34.59% overall SBE participation. The consultant's cumulative SBE participation, including this authorization, is 38.13% overall. (WUD Project No. 09-046) District 2 (MJ)

**Background and Justification:** The Ozone treatment system at WTP No. 2 is reaching its useful life and spare parts are no longer available. The anionic exchange system will produce higher quality water compared to ozone treatment and will reduce both chemical usage and energy consumption. Greenhouse gas reductions for replacing the ozone treatment system with anionic exchange are estimated at 30,000 tons of CO<sub>2</sub> per year based on emissions from electrical generation. On April 1, 2008, the Board approved a contract for Professional Consulting Engineering Services with Carollo Engineers (R-2008-0526) for Water Plant & Water Resources Engineering Services. This Consultant Service Authorization No. 2 provides engineering services for design, permitting, and bidding of Water Treatment Plant No. 2 anionic exchange treatment system.

**Attachments:**

1. Location Map
2. Two (2) Original Consultant Service Authorization No. 2
3. Budget Transfer

Recommended By:	 <b>Department Director</b>	<u>3/31/09</u> <b>Date</b>
Approved By:	 <b>Assistant County Administrator</b>	<u>4/13/09</u> <b>Date</b>

## **II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures	<u>\$430,731.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u><u>\$430,731.00</u></u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**Budget Account No.:** Fund 4011 Dept 721 Unit W002 Object 6541

Is Item Included in Current Budget?      Yes   X        No       

Reporting Category **N/A**


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

One time capital expenditure to be funded from user fees and balances brought forward.

C. Department Fiscal Review: Debra M West

### III. REVIEW COMMENTS


**A. OFMB Fiscal and/or Contract Development and Control Comments:**

  
 OFMB  
 4/8/09  
 4/10/09  
 4/10/09  
 4/10/09

*E. J. Jones* 4/17/09  
Contract Development and Control  
*E. J. Jones* 4/17/09

**B. Legal Sufficiency:**

B. Legal Sufficiency:

 4/13/09

Assistant County Attorney

**This item complies with current County policies.**

**C. Other Department Review:**

Department Director

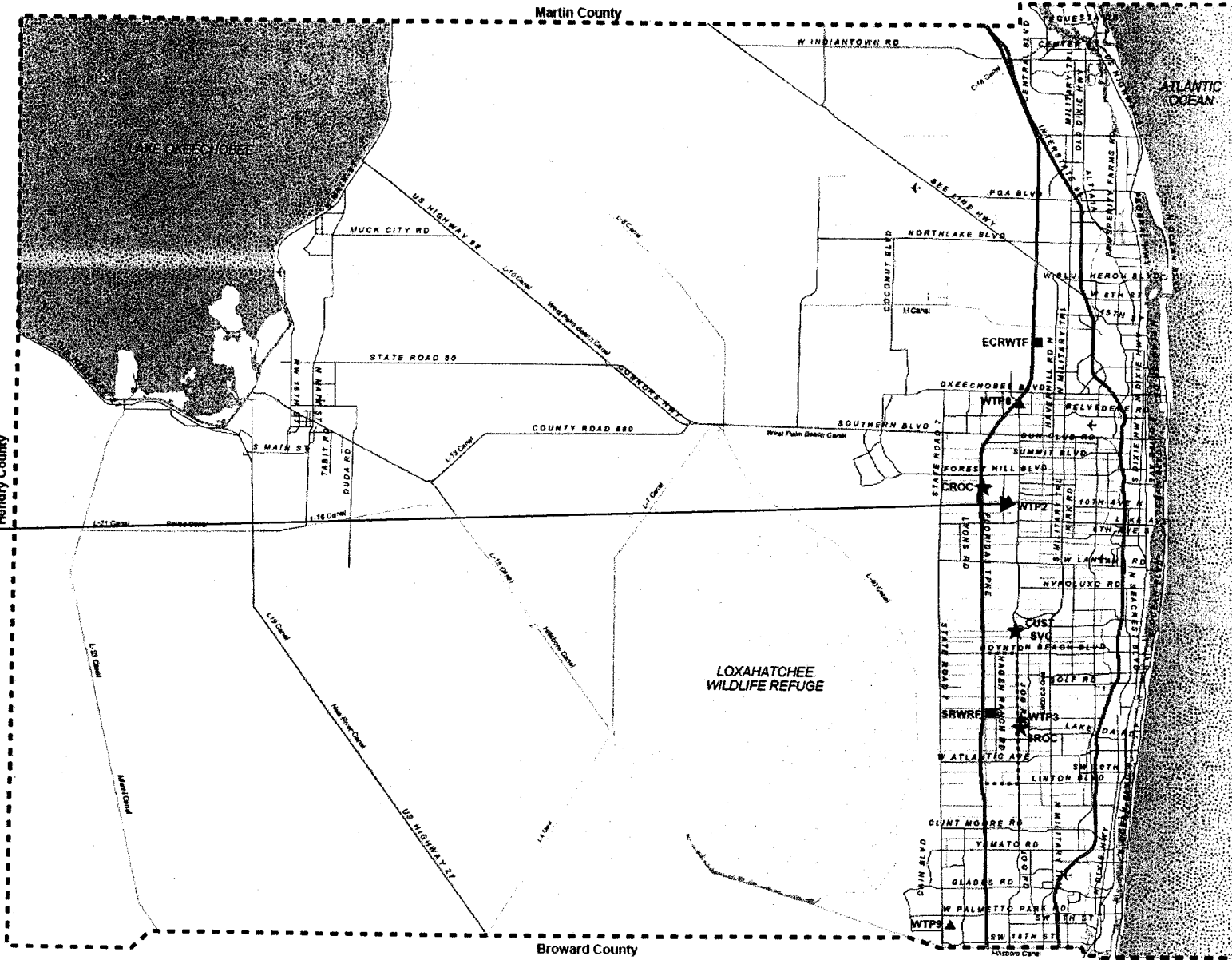
**This summary is not to be used as a basis for payment.**



Palm Beach County  
Water Utilities  
Department  
Service Area (SA) and  
Major Facilities

Project  
Location

- Legend
- P.B.C.W.U.D. SA
  - MANDATORY RECLAIMED SA
  - COUNTY LIMITS
  - Administration
  - Water Reclamation Plant
  - Water Treatment Plant
  - Wetlands



**CONSULTANT SERVICES AUTHORIZATION NO. 2**

**PROJECT NO. WUD 09-046**

**Budget Line Item No. 4011-721-W002-6541**

**Project Title Water Treatment Plant NO.2 MIEX Treatment System**

**District No.: 2**

**THIS AUTHORIZATION # 2** to the Contract for Consulting/Professional Services dated 4/1/2008 with an effective date of 6/2/2008 (Resolution/Document R2008-0526), by and between Palm Beach County and the Consultant identified herein, is for the Consultant Services described in Item 3 of this Authorization. The Contract provides for 40% SBE participation overall. This Consultant Services Authorization includes 34.59% overall. The cumulative SBE participation, including this authorization is 38.13% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Carollo Engineers

2. ADDRESS: 8401 Lake Worth Rd. Lake Worth, FL 33467

3. Description of Services to be provided by the Consultant:

Design, permit, and bid a water treatment system addition which will treat the color and organic content of the potable water produced at Water Plant NO. 2. This new treatment system will replace the existing ozone system.

**See EXHIBIT "A".**

4. Services completed by the Consultant to date:

**See EXHIBIT "B" and "C".**

5. Consultant shall begin work promptly on the requested services.

6. The compensation to be paid to the Consultant for providing the requested services shall be:

A. Computation of time charges plus expenses, not to exceed \$ NA

B. Fixed price of \$ 430,731

This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be

compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

PROJECT NO. WUD 09-046 AUTHORIZATION NO. 2

Budget Line Item No. 4011-721-W002-6541

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated 4/1/2008 with an effective date of 6/2/2008 remain in full force and effect.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

**CONSULTANT:**

**PALM BEACH COUNTY**

FIRM: Carollo Engineers

Signed: *Larry Elliott*

Typed Name: Larry Elliott, P.E.

Title: Partner

Signed: *Lyle Munce*

Typed Name: Lyle Munce, P.E.

Title: Partner

Date: March 19, 2009

Signed: \_\_\_\_\_

Typed Name: John F. Koons

Title: Chairman Palm Beach County  
Board of County Commissioners

Date: \_\_\_\_\_

ATTEST:

*Diana Arnesa*  
(Signed)

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:

\_\_\_\_\_  
County Attorney

(Corporate Seal)

Carollo Engineers, P.C. is an Arizona Professional Corporation qualified to do business in the State of Florida. By corporate resolution, all shareholders, including Larry Elliott and Lyle Munce, are authorized to execute contracts relating to the firm's usual and customary engineering business on behalf of Carollo Engineers, P.C.

ATTEST: SHARON R. BOCK,  
CLERK AND COMPTROLLER:

\_\_\_\_\_  
Deputy Clerk

## **EXHIBIT A**

### **CONSULTANT SERVICE AUTHORIZATION NO.**

### **PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES**

### **SCOPE OF WORK FOR**

## **INTRODUCTION**

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Utilities Department Project No. WUD **08-001** (CONTRACT) with. Carollo Engineers (CONSULTANT) to provide engineering services for various general activities on (Reference Document R2008-0526). This Consultant Service Authorization will be performed under that CONTRACT.

## **BACKGROUND**

The water utilities has requested that Carollo Engineers design, permit, and bid a water treatment system addition which will treat the color and organic content of the potable water produced at System 2. This new treatment system will replace the existing ozone system.

## **SCOPE OF SERVICES**

CONSULTANT shall perform the engineering Scope of Services as described herein.

### **PRELIMINARY DESIGN, DESIGN FOR BIDDING, PERMITTING, AND BIDDING SERVICES**

Carollo Engineers (hereinafter referenced as ENGINEER) shall perform the following engineering services for the preliminary design, design for bidding, permitting, and bidding for the MIEX treatment system addition at PBCWUD System 2. It is the intention of this authorization to provide preliminary design report and a complete and final set of contract documents suitable for public procurement for the construction of the proposed facilities.

The following engineering services have been based upon the direction provided by PBCWUD staff, the Orica Watercare Document No. LR-2008-041, and previous CDM and Matthews Consulting, Inc. reports on this proposed system. Assumptions include:

- The treatment system, including instrumentation and control, will be the MIEX Process as developed by Orica Watercare. In general, the system shall be comprised of multiple reactor/clarifiers, resin regeneration system, virgin resin system, and brine system.
- The system loading rate will be 8 gallons per minute per square feet.

- The reactor clarifier and resin regeneration basins will be located just north of Solids Contactor No. 2.
- Construction of the reactor clarifiers will utilize carbon steel with coatings to minimize rusting and will be supplied by Orica Watercare.
- Connection to the system will be through a connection with the existing raw water main prior to the solids contactors.
- Salt brine facilities will be located in the existing brine & sodium hypochlorite containment area.
- Virgin resin mixing and storage, along with the fresh resin storage tanks, will be located in the existing ozone generator building.
- Spent brine solution will be disposed of via the sanitary sewer system.
- The reactor clarifier system will consist of multiple units sized for a portion of the total plant flow. Total plant flow is 14.5 mgd.
- Flow from the MIEX system to the solids contactors will be by gravity.
- Accurate record drawings are available. Subsurface or pothole information shall be used to verify critical information.

### **Task 1 Preliminary Design**

This task addresses the requirements of the project. Work efforts for this task include the following:

- 1) Development of Project Design Criteria. The project design criteria and alternatives selection will be developed (see spreadsheet for items breakdown).
- 2) Preliminary Drawing Production. Preliminary drawings which illustrate each of the basic components of the project including the size, scale, location, dimensions, layout and character of each structure and/or facility will be created. These drawings shall include PID, electrical single line, site plan, yard piping, hydraulic profile, and major equipment.
- 3) Process Control System Narrative. A process system control narrative will be developed.
- 4) Geotechnical Investigation. A limited geotechnical report will be conducted identifying the soil conditions in the area of the reactor clarifiers and recommendations necessary for design and construction.
- 5) Survey. A survey of the impacted areas depicting all relevant topography features, existing structures and utilities will be developed.
- 6) Permitting Investigation. A written description of permitting and code requirements will be provided.
- 7) Description of Materials and Equipment. A written description of materials and equipment to be incorporated into the project will be developed.
- 8) Construction Sequencing and Scheduling. Preliminary construction sequencing and schedule will be developed.
- 9) Opinion of Probable Cost. Preliminary opinion of probable cost will be developed.

It is anticipated that the preliminary engineering report will be used for Palm Beach County Health Department permitting.

### **Task 2 Design for Bidding**

After reviewing the Preliminary Design with PBCWUD and incorporating changes or alterations directed by PBCWUD, the Engineer shall prepare and submit the Design

for Bidding. The design will be phased in 30 % (preliminary design), 60%, 90% and 100 % (bid documents). At the 60% and 90% design levels review meetings will be held with PBCWUD staff. The documents shall include drawings, plans and specifications (specifications shall be prepared using the new format per increased number of construction specification sections) that specifically describe the elements, details, components, materials, and other information necessary for construction of the Project (@ 30% 7 sets of 1/2 size drawings, @ 60% & 90% 7 full sized sets of documents, @100% five full size and 2 half sized & six sets of specifications (a pdf version of the final documents will also be provided)). The Design for Bidding shall include the following:

- 1) Pilot Testing Coordination. The design for bidding shall incorporate the information determined in PBCWUD conducted pilot plant testing.
- 2) General Design. General design covers index of drawings, location and vicinity maps, design data, scope of work, sequence of work, flow diagrams, hydraulic profile, and general conditions.
- 3) Civil Design. Civil design shall include the layout of proposed facilities and associated outside piping, paving, grading, and drainage. Drainage efforts are limited to writing a letter for permit modification to the Worth Drainage District and the South Florida Water Management District (FWMD) and providing a drainage statement for the site plan approval process. No storm water site design considerations are included. Civil design shall include yard piping drawings showing plan and elevation of piping and identifying conflicts. (All elevations shall be in NAVD '88.)
- 4) Architectural Design. Limited to existing building changes necessary to accommodate new equipment.
- 5) Structural Design. Structural design of the building foundation, equipment supports, and associated structural components.
- 6) Mechanical Design. Mechanical design shall include the selection, design, and layout of new equipment and piping. It shall also include the design and document preparation for the removal and demolition of the ozone generation equipment. It will include piping drawings showing plan and elevation information. Field inspections shall be performed to assure that equipment will fit and not impact other processes.
- 7) Electrical Design. Electrical design shall consist of the analysis of power utility service, determination of power requirements and electrical equipment placement, preparation of one-line diagrams, schematic diagrams, lighting, grounding, conduit/cable schedules, miscellaneous schedules and specifications of all electrical equipment.
- 8) Instrumentation and Control Design. Instrumentation and control design consists of development of specific control systems for the systems specified for the project and development of final process and instrumentation diagrams (P&ID's shall show the relationships of systems and subsystems to one another.) The diagrams will serve as process summaries for the interrelationship of equipment with instrumentation for the construction and control of the different processes. Instrumentation and control design shall be integrated with the existing control and SCADA system.

### **Task 3 Permitting Services**

This task provides for the preparation of necessary permit applications, meetings, and negotiation with regulatory agencies, and preparation of responses to requests



for additional information. The Engineer shall prepare applications for permits as may be required and related to the project. Permit related work shall include furnishing data, drawings, and other information required by the regulatory agency. Permitting fees will be provided to the Engineer from PBCWUD. The permits to be obtained could include the following:

1. FDEP/PBCHD Permit. Florida Department of Environmental Regulation (FDEP) will require a water treatment plant modification permit. This will be addressed through the Palm Beach County Health Department (PBCHD).
2. Drainage Permit. The SFWMD, as well as a Lake Worth Drainage District permit may require a drainage system modification permit.
3. EPA Permit. The U.S Environmental Protection Agency (EPA) may require a NPDES Stormwater Construction Notice of Intent application and preparation of a Stormwater Pollution Prevention Plan DERM Permit. The Palm Beach County Department of Environmental Resources Management (DERM) may require a permit for excavating stormwater retention areas, and the storage of chemicals (brine, resin).
4. Building Department Permit. The County's building permit process will require project approval during the design phase from various entities such as the site plan review committee, and fire and building departments prior to submittal for a building permit. Draft permit review will be completed prior to bidding.

#### **Task 4 Bidding Services**

1. Solicitation of Bids. PBCWUD will advertise and receive bids.
2. Addenda. The Engineer shall provide information for PBCWUD to issue written addenda as appropriate to interpret, clarify, or expand the bidding documents.
3. Review of Bids. The Engineer shall attend bid opening and offer an opinion of acceptability or unacceptability for each.

#### **Services Not Included In Scope of Services**

- Services associated with wellfield hydraulic analysis or modifications.
- Physical subsurface investigation (pot-holing). PBCWUD will perform pot holing of critical areas and will provide information to Engineer.
- Evaluation of alternate ion exchange systems or other color treatment systems.
- Prequalification of contractors.
- Services associated with bid protests that require action in accordance with the County's general bid protest requirements.
- Services associated with the rejection or re-bidding unless re-bidding is required as a result of Engineer errors.
- Patent related dispute services.
- Litigation services.
- Permitting application fees.
- Additional services not otherwise provided for in this Scope of Services.

#### **Compensation**

Lump Sum - \$430,731

## ATTACHMENT A

Labor Classification and Hourly Rate													
Task Number	Task Description	Partner In Charge	Senior Project Manager	Senior Process Specialist - Elec.	Senior Process Specialist - Struc.	Senior Process Specialist - Mech.	Senior Process Specialist - I&C	Project Engineer	Civil Engineer II	Lead Design Specialist	Technician	Senior Clerical	Total Labor Hours
1	<b>Preliminary Design</b>												
	<b>Preliminary Consultation</b>												
	- Description of Treatment Facilities Components		2			4		8				2	16
	- Criteria Development		2		2	4		8				2	18
	- Structures Evaluation (Ozone bldg, crane addition)		2		8	4		8				2	24
	- Transfer Pumping vs Wellfield TDH Increase		2			4		8				2	16
	- Use of existing salt/brine system evaluation		2			4		8				2	16
	- Flow Control & Splitting Approach		2			4		8				2	16
	- Hydraulic Analysis/Profile		2			4		8				2	16
	- Siting & Demolition Evaluation		2			4		8				2	16
	- Proprietary Equipment Procurement Options		2			4		8				2	16
	- Permitting & Code Review/Considerations												
	o PBCHD/FDEP		2			4		8				2	16
	o Surface Water Modifications		2										2
	o NPDES Permit		2									2	4
	o Wastewater Permit/Ind. Waste Permit Reqmts		2			4		8				2	16
	o DRO Site Plan Modifications		8					8				2	18
	- Record Dwg/Pot holing		2			4		8				2	16
	- Geotechnical Evaluation		2			4		4				2	12
	- Surveying (incl. existing hydraulic profile)		2			2		2				2	8
	- Operational Requirements- Process & Controls		2			8		8				2	20
	- Materials of Construction Selection		2			8		8				2	20
	- Auxiliary Power Redistribution		2										2
	- Construction Schedule		2			4		8				2	16
	- Future RO Remineralization Evaluation - NI												0
	- Construction Sequencing		2			4		8				2	16
	Preliminary Consultation Report		2			24		24				8	58
	<b>Preliminary Dcoument Production</b>												
	- Process Flow Diagrams												
	o Overall Process Modifications		2			4		8		8		2	24
	o MIEG (incl. regen., recycle)		2			4		8		8		2	24
	o Waste Disposal (incl. sewer/FM connect.)		2			4		8		8		2	24
	o Brine Feed		2			4		8		8		2	24
	- Existing Facilities Plans		2			4		8		8		2	24
	- Site Plans		2			4		8		8		2	24
	- Yard Piping Plans		2			4		8				2	16
	- Yard Paving & Grading/Drainage Plans		2			4		8				2	16
	- Building Plans		2			4		8		8		2	24
	- Equipment/Facilities Demolition Plans		2			4		8		8		2	24
	- Process Instrumentation Diagrams (PIDs)		2			4		8				2	16
	- Single Line Diagrams		2			4		4				2	12
	- Specifications												
	o List of All Specifications		2			4		4				2	12
	o Draft Primary Equipment Specifications		2			4		16				4	26
	- Control Narrative		2			4		8				2	16
	- Draft MIEG Procurement Language		2			4		8				2	16
	- Draft Permitting Applications		2			4		16				4	26

100

[illegible]

**ATTACHMENT - B**  
**PROJECT SCHEDULE**

The completion dates for this work will be as follows.

<u>Engineering Services</u>	<u>Completion Date</u>
	From Receipt of Notice to Proceed.
Task 1 Preliminary Design (30% complete)	90 days
Task 2 Design for Bidding	
60 % Complete	120 days
90 % Complete	150 days
100 % Complete	180 days
Task 3 Permitting Services	210 days
Task 4 Bidding Services	As determined by PBCWUD

**ATTACHMENT C****SCHEDULE #1****LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS**PROJECT NAME: Water Treatment Plant No. 2 MIEX Treatment SystemPROJECT NUMBER: WUD 09-046NAME OF PRIME BIDDER: Carollo EngineersCONTACT PERSON: Lyle Munce, P.E.BID OPENING DATE: NAADDRESS: 8401 Lake Worth Rd, Suite 224, Lake Worth, FL 333467PHONE NO. 561/209-6004 FAX NO. 561/340-1487DEPARTMENT Water Utilities

Name, Address and Telephone Number of Minority Contractor	PLEASE IDENTIFY ALL APPLICABLE CATEGORIES (Check one or both Categories)					Dollar Amount	
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
A&B Engineering, 3461 Fairlane Farms Rd Wellington, FL 33414 561/383-7480	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$72,753	\$	\$		\$
Hillers Electric, 23257 St. Road 7 Suite 100 Boca Raton, FL 33428 561/451-9165	<input checked="" type="checkbox"/>	<input type="checkbox"/>	\$	\$74,000	\$	\$	\$
Testing Lab of Palm Beach, 421 South H St. Lake Worth, FL 33460 561/585-7515	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$2,250.00	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
PRIME CONTRACTOR TO COMPLETE:			\$	\$	\$	\$	\$
BID PRICE: <u>\$430,731.00</u>			\$ 72,753.00	\$ 74,000.00	\$ -	\$ 2,250.00	\$ -
			Total Value of SBE Participation: <u>\$ 149,003.00</u>				

**NOTE:**

1. The amount listed on this form for a Subcontractor must be supported by price or percentage included on Schedule 2 or a proposal from each Subcontractor listed in order to be counted toward goal attainment.
2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

**SCHEDULE 2**

**LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR**

PROJECT NO. WUD 09-046 PROJECT NAME: Water Treatment Plant No. 2 MLEX Treatment System

TO: Carollo Engineer  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise   X   Minority Business Enterprise       

Black        Hispanic        Women        Caucasian        Other (Please Specify)       

Date of Palm Beach County Certification: May 16, 2007

The undersigned is prepared to perform the following described work in connection with the above project  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>NA</u>	<u>Geotechnical Investigation</u>	<u>          </u>	<u>          </u>	<u>\$2,250</u>
<u>      </u>	<u>                                  </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>      </u>	<u>                                  </u>	<u>          </u>	<u>          </u>	<u>          </u>

Perform geotechnical investigation.

at the following price  
\$ 2,250

(Subcontractor's quote)

And will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: \$ 0.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Testing Lab of the Palm Beaches  
(Print Name of SBE-M/WBE Subcontractor)

By: Laurie Rogers V.P.  
(Signature)

Laurie Rogers  
(Print name/title of person executing on  
behalf of SBE-M/WBE Subcontractor)

Date: 3/18/09

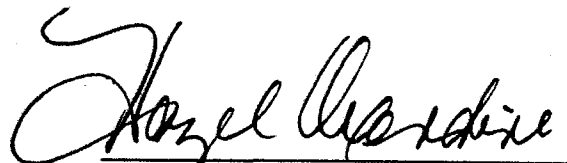
**PALM BEACH COUNTY**  
**OFFICE OF SMALL BUSINESS ASSISTANCE**  
CERTIFIES THAT

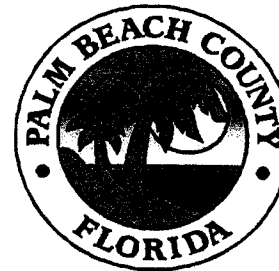
**TESTING LAB OF THE PALM BEACHES, INC.**  
VENDOR #TEST0001

*is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.34 of the Palm Beach County Code for a three year period from May 16, 2007 to May 15, 2010.*

The following Services and/or Products are covered under this certification:

**Testing Laboratories  
Engineering Services**

  
Hazel Oxendine, Director



**Palm Beach County Board of County Commissioners**

Addie L. Greene, Chairperson  
Jeff Koons, Vice Chair  
Karen T. Marcus  
Warren H. Newell  
Mary McCarty  
Burt Aaronson  
Jess R. Santamaria

**County Administrator**

Robert Weisman

**Deputy County Administrator**

Verdenia C. Baker

## SCHEDULE 2

### LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 09-046 PROJECT NAME: Water Treatment Plant No. 2 MIEX Treatment System

TO: Carollo Engineer  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise ☐

Minority Business Enterprise ☒

Black ☐ Hispanic ☒ Women ☐ Caucasian ☐ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: January 27, 2009

The undersigned is prepared to perform the following described work in connection with the above project  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>NA</u>	<u>Electrical/I&amp;C Design</u>	_____	_____	<u>\$74,000</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Perform electrical and instrumentation and controls (I&C) design for the proposed improvements at System 2.

at the following price  
\$ 74,000

(Subcontractor's quote)

And will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: \$ 0.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Hillers Electrical Engineering, Inc.

(Print Name of SBE-M/WBE Subcontractor)

By: [Signature]  
(Signature)

Paul Hillers / President  
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: 3/18/09





State of Florida  
*Minority Business Enterprise  
Certification*

Hillers Electrical Engineering, Inc.

is certified as a Minority Business Enterprise under  
the provisions of Chapter 287, Florida Statutes for  
a one year period from:

January 27, 2009      to      January 27, 2010

  
Executive Director

*Florida Department of Management Services  
Office of Supplier Diversity*

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399-0950 • 850.487.0915 • [www.osd.dms.state.fl.us](http://www.osd.dms.state.fl.us)

## SCHEDULE 2

### LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 09-046 PROJECT NAME: Water Treatment Plant No. 2 MIEX Treatment System

TO: Carollo Engineer  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise ☒ Minority Business Enterprise ☒

Black ☒ Hispanic ☐ Women ☐ Caucasian ☐ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: March 23, 2007

The undersigned is prepared to perform the following described work in connection with the above project  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>NA</u>	<u>Civil/Site Design</u>	_____	_____	<u>\$72,753</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Perform site surveying and site civil design for the proposed improvements at System 2. Work will include producing the survey information needed to apply for site plan approval and to establish existing conditions at the WTP site. Civil site design including paving, grading, limited drainage efforts, and below grade piping. Stormwater permitting is included.

at the following price  
\$ 72,753


(Subcontractor's quote)

And will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: \$14,700.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

A & B Engineering  
(Print Name of SBE-M/WBE Subcontractor)

By:   
(Signature)

Albert E. Rose, P.E.  
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: 3/18/09

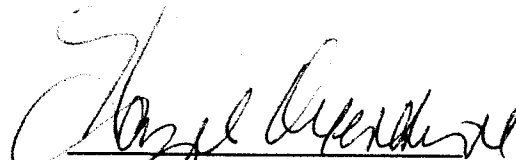
***PALM BEACH COUNTY  
OFFICE OF SMALL BUSINESS ASSISTANCE***

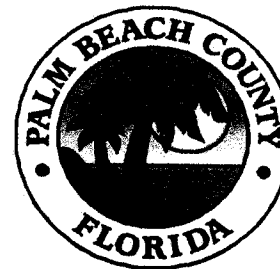
**CERTIFIES THAT  
A & B ENGINEERING, INC.  
VENDOR # ADAI0003**

***is a Small/Minority Business Enterprise as prescribed by section 2-80.21 – 2-80.34 of the Palm Beach  
County Code for a three year period from March 23, 2007 to March 22, 2010.***

The following Services and/or Products are covered under this certification:

**Civil Engineers  
Surveying Services**

  
**Hazel Oxendine, Director**



**Palm Beach County Board of County Commissioners**

Addie L. Greene, Chairperson  
Jeff Koons, Vice Chair  
Karen T. Marcus  
Warren H. Newell  
Mary McCarty  
Burt Aaronson  
Jess R. Santamaria

**County Administrator**

Robert Weisman

**Deputy County Administrator**

Verdenia C. Baker



State of Florida  
*Minority Business Enterprise  
Certification*

A&B Engineering, Inc.

is certified as a Minority Business Enterprise under  
the provisions of Chapter 287, Florida Statutes for  
a one year period from:

September 25, 2008 to September 25, 2009

  
Executive Director

*Florida Department of Management Services  
Office of Supplier Diversity*

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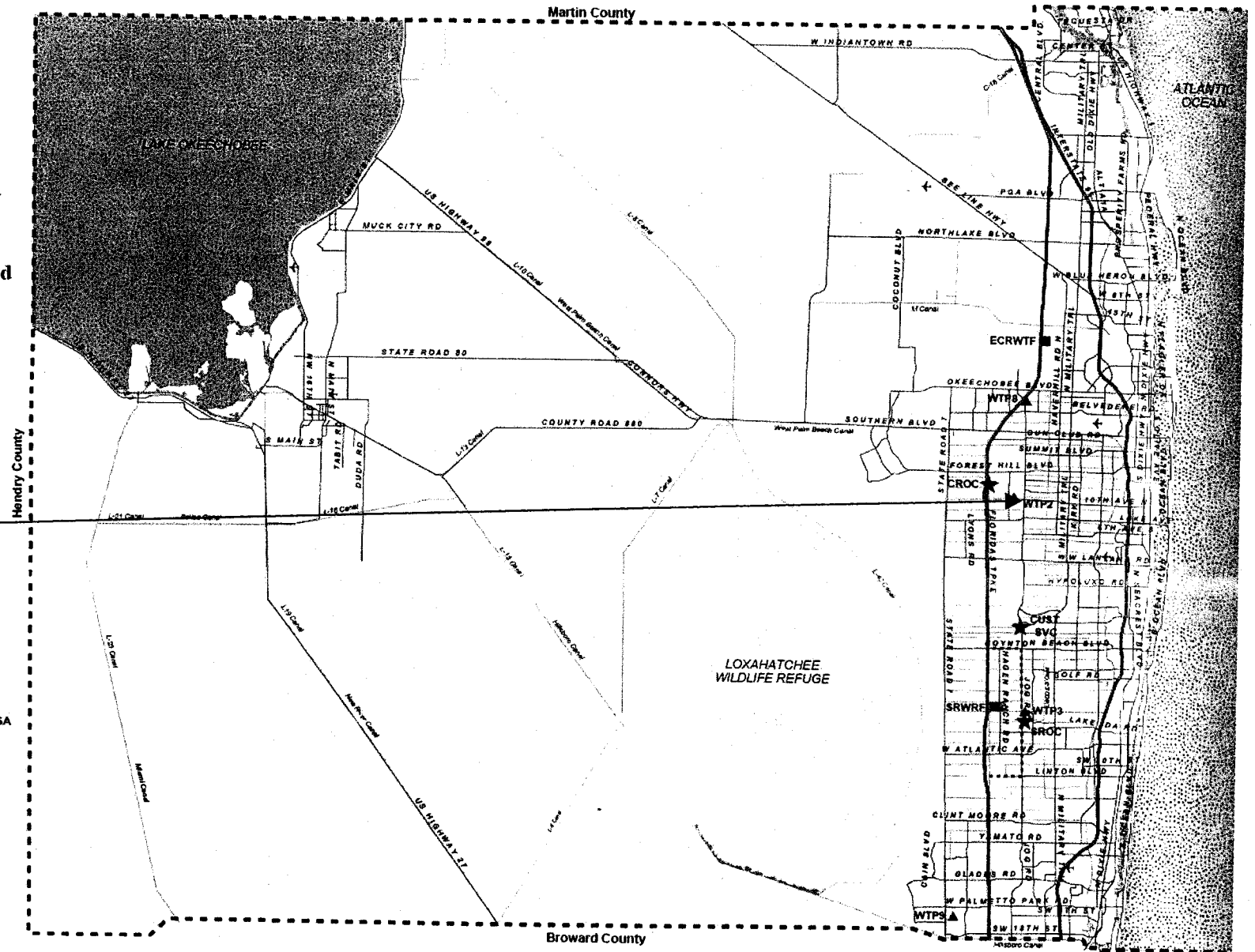


Palm Beach County  
Water Utilities  
Department  
Service Area (SA) and  
Major Facilities

Project  
Location

Legend

- P.B.C.W.U.D. SA
- MANDATORY RECLAIMED SA
- - - - - COUNTY LIMITS
- ★ Administration
- Water Reclamation Plant
- ▲ Water Treatment Plant
- Wetlands



**EXHIBIT - B**

## AUTHORIZATION STATUS REPORT

(CONTINUED)

## SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

[illegible]

## EXHIBIT - C

### AUTHORIZATION STATUS REPORT

#### SUMMARY OF SMALL BUSINESS TRACKING SYSTEM

	Total	SBE
Current Proposal		
Value of Authorization No. 2	430,731.00	
Value of SBE Letters of Intent	149,003.00	149,003.00
Actual Percentage	34.59%	34.59%
Signed Authorizations		
Total Value of Authorizations	99,991.00	
Total Value of SBE Signed Subcontracts	53,371.00	53,371.00
Actual Percentage	53.37%	53.37%
Signed Authorizations Plus Current Proposal		
Total Value of Authorizations	530,722.00	
Total Value of Subcontracts & Letters of Intent	202,374.00	\$ 202,374.00
Actual Percentage	38.13%	38.13%
Goal	40.00%	

BOARD OF COUNTY COMMISSIONERS  
PALM BEACH COUNTY, FLORIDA  
BUDGET: TRANSFER  
FUND 4011: Water Utilities Department Capital Improvement Fund

Use this form for items not anticipated in the budget

Account		Original	Current			Adjusted	Encumbered	Remaining
Number	Name	Budget	Budget	Increase	Decrease	Budget	As of 03/24/02009	Balance
<u>Capital Improvement Fund (BGEX 720 032409*1267)</u>								
<u>Expenditures and Reserves</u>								
4011721W001-6541	Water Treatment Plant	5,270,000	5,270,000		500,000	4,770,000	668,433	4,101,567
4011721W002-6541	Water Treatment Plant	150,000	150,000	500,000		650,000	98,355	551,645
Total expenditures and reserves		<u>51,897,540</u>	<u>54,485,540</u>	<u>500,000</u>	<u>500,000</u>	<u>54,485,540</u>		

Water Utilities Department

Initiating Department/Division

Administration/Budget Department Approval

OFMB and Budget Department - Posted

Signatures

Date

By Board of County Commissioners

At Meeting of 4/21/09

Deputy Clerk to the

Board of County Commissioners

*[Signature]* 3/31/09  
*[Signature]* 4-7-09  
*[Signature]* 4/2/09