

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	<u>\$121,157.</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>\$121,157</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

ADDITIONAL FTE POSITIONS (Cumulative) 0 0 0 0 0

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 (1) time capital expenditure from user fees and balance brought forward.

C. Department Fiscal Review: Delra M. West

III. REVIEW COMMENTS

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

[Signature] 8/27/14
 KD SB OFMB
 8/26/14

[Signature] 9/2/14
 Contract Development and Control
 9-4-14 [Signature]

B. Legal Sufficiency:

[Signature] 9/5/14
 Assistant County Attorney

C. Other Department Review:

 Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. 11

SUPPLEMENT NO. 2

Project No. WUD 12-066
Budget Line Item No. 4011-721-W002-6541

Project Title Water Treatment Plant No. 2 – Filter Replacement; Engineering Services During Construction – Supplement No. 2

District No.: 2

THIS SUPPLEMENT #2 to AUTHORIZATION #11 to the Contract for Consulting/Professional Services dated 05/03/2011 with an effective date of 06/03/2011 (R2011-0630), 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 26% SBE participation overall. This Consultant Services Authorization includes 0% overall participation. The cumulative SBE participation, including this authorization is 28.32% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Carollo Engineers, Inc
2. ADDRESS: 9897 Lake Worth Road, Suite 302, Lake Worth, FL, 33467
3. Description of Services to be provided by the Consultant:
As an amendment to the on-going Water Treatment Plant No. 2 Filter Replacement, additional supervisory, inspection, and construction phase services shall be provided.

See ATTACHMENT A.
4. Services completed by the Consultant to date (Summary and Status of Authorizations):

See ATTACHMENT E.
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 \$ N/A
 - B. Fixed price of \$121,157.00
7. 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 12-066 Consultant Services Authorization No. 11 Supplement 2

Project Title Water Treatment Plant No. 2 – Filter Replacement: Engineering Services During Construction – Supplement No. 2

- 8. As described in Section 7.5 of the CONTRACT, SBE participation is included in Attachment D under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each subconsultant (Letter of Intent to perform as an SBE).
- 9. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated 05/03/2011, effective 06/03/11 remain in full force and effect.

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

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Sharon R. Bock, Clerk & Comptroller,
Palm Beach County

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Priscilla A. Taylor, Mayor



Typed Name: _____
Deputy Clerk

_____ Date

Approved as to Form and Legal Sufficiency

Signed: _____

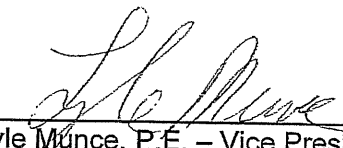
Typed Name: _____
County Attorney

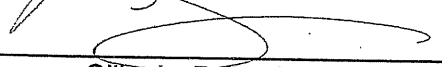
CONSULTANT: _____

ATTEST:

Witness _____

Christopher Reinbold, P.E. – Associate


Lyle Munce, P.E. – Vice President


Thomas Gillogly, P.E. – Vice President

09/02/14
_____ Date

Carollo Engineers Inc. is a Delaware Corporation qualified to do business in the State of Florida. By corporate resolution, all shareholders, including Lyle Munce and Thomas Gillogly, are authorized to execute contracts relating to the firm's usual and customary engineering business on behalf of Carollo Engineers, Inc.

LIST OF ATTACHMENTS

Project No. WUD 12-066 **Consultant Services Authorization No.** 11 Supplement 2

Project Title Water Treatment Plant No. 2 – Filter Replacement; Engineering Services During Construction – Supplement No. 2

ATTACHMENT - A	Scope of Work
ATTACHMENT - B	Budget Summary
ATTACHMENT - C	Project Schedule
ATTACHMENT - D	SBE Schedule 1 and Schedule 2
ATTACHMENT - E	Authorization Status Report - Summary and Status of Authorizations
ATTACHMENT - F	Authorization Status Report – Summary of SBE/MWBE Tracking
ATTACHMENT - G	Location Map

ATTACHMENT A

CONSULTANT SERVICES AUTHORIZATION NO. 11

SUPPLEMENT NO. 2

**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 11-001 (CONTRACT) with Carollo Engineers, Inc. (CONSULTANT) to provide engineering services for various general activities on (Reference Document R2011-0630). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to the engineering services during construction of the Water Treatment Plant No. 2 Filter Replacement.

BACKGROUND

CONSULTANT has designed, permitted, and bid a water treatment filter addition at WTP 2. These new dual media filters with reinforced concrete construction will replace the existing train 1 and 2 steel constructed filters (the filters associated with Precipitator Nos. 1 and 2). The filter addition will include backwash and transfer pumps, a filter air scour system, a washwater recovery basin and pump station, associated electrical and instrumentation, site and drainage improvements. The existing filters, ozone contact basin, and 1 MG water storage tank will be demolished. This CSA supplement will include additional supervisory, inspection, and construction phase services to support the County during construction.

SCOPE OF SERVICES

CONSULTANT shall perform the engineering Scope of Services as described herein. The following construction engineering and inspection support services have been based upon the direction provided by PBCWUD staff.

Task 1 – Resident Project Representative, Engineering Site Coordination, and Inspection Services. The primary objective is to provide personnel full time during the Contractor's normal working hours (7:00am – 3:30pm, Monday through Friday) to represent the Owner and Engineer in a conscientious and professional manner.

Responsibilities include:

- Provide inspections of the work as it progresses for compliance to the Contract Documents and accepted submittals.

- Notification to Contractor if any material portion of the work does not conform to the requirements of the Contract Documents and record in daily log.
- A daily report will be prepared that includes a recording of the day's happenings, the Contractor's activities, activities of subcontractors, and record number of employees and major equipment onsite, and any direction given or project decisions made regarding the work.
- Coordinate and schedule activities of materials testing firm and surveying crews.
- Maintain a log of all inspections by outside agencies (i.e. Building Department).
- Report to the County any specific tolerance governing the Contractor's work found to be unrealistic.
- When work is to be corrected by the Contractor, follow it up daily.
- If a dangerous condition is observed, Contractor will be promptly notified and record of discussion will be recorded in daily report.
- Report to County any situation that may delay the completion of the project.

Task 2 – Construction Manager Services. Responsibilities include:

- Representation of the County: Includes day to day management associated with oversight of Contractor's activities. All contractor communication will be processed through Consultant. Consultant shall act on behalf of County as described in General Conditions.
- Construction Meetings: Prepare agenda, Consultant to preside over meeting, prepare and distribute detailed minutes of all meetings held.
- Interpretations and Clarifications: Consultant shall review requests from Contractor with respect to quality, operations, schedule, or cost, and prepare and issue necessary interpretations to Contract Documents. (i.e. requests for time associated with weather, request for change orders due to circumstances beyond Contractor's control, etc.). Consultant shall issue work change directives, in consultation with County, that do not affect cost, schedule, quality or utility operations. Consultant shall prepare Change Orders for County execution.
- Examination of Schedule of Values: Consultant shall review schedule of values with updated percent completes and inspect stored materials monthly.
- Examination of Construction Schedule: Consultant shall review construction schedule no less frequently than monthly. This includes a review of any changes to schedule logic, Contractor's remediation plan for schedule recovery, and evaluation of how much float was consumed during the month either for Owner or Contractor consumed float, or weather. Consultant shall indicate in writing to the County the adequacy and accuracy of any such schedule and/or logic updates.
- Review of Request for Payment: Consultant shall review Contractor pay requests and recommend amounts due to Contractor per Contract. This includes inspection of the work and/or stored materials to confirm percent complete, evaluation of the Contractor's rate of progress, review of quality of work completed to date, and provide certification to County as to payment amount recommended by Consultant to Contractor.
- Contract Interpretations: Consultant shall be the initial interpreter of the requirements of drawings, specifications, contract for construction, and performance thereunder of Contractor. Consultant shall provide written or graphical interpretations for the proper execution or progress of the work. Consultant shall determine all matters relating to aesthetic effect and function of the items being constructed by Contractor.
- Change Order Preparation: Consultant shall prepare change order documentation for execution by County. This includes preparation of figures,

drawings, or references that may be necessary for full execution of Change Orders. Technical review of change orders is provided in original CSA.

- Submittal coordination services: Consultant shall provide submittal coordination services for submittals that require review by Palm Beach County Building Dept., Palm Beach County Health Dept., LWDD, SFWMD, or FDEP. Any changes to the work, whether proposed by Contractor or based on differing field conditions, are anticipated to require submittal to these departments for review. Contractor shall be responsible for submitting the required applications and Consultant shall prepare the review packages. Consultant shall provide Engineer-of-Record services such as technical review of each package prior to submission.

Task 3 – Construction Manager Transitional Support Services. It is anticipated that the County will provide a Construction Manager that will resume the construction management services described in Task 2 following completion of the identified service period by Consultant. This individual may or may not already be employed by the County. It is anticipated to take this individual a period of time to transition to fully fill this role as the project has already commenced and the individual will not have a familiarity with the project specific documents. Consultant will support the Construction Manager during this transitional period while the County's Construction Manager will take on progressively more of the construction management responsibilities until familiar enough with the project specifics, County's standard contract and general conditions, contract documents (technical specifications and drawings), and day to day operations and activities of the Contractor to resume full Construction Manager responsibilities.

Services Not Included In Scope of Services

- Patent related dispute services.
- Geotechnical materials testing
- Litigation services.
- Permitting application fees.
- Warranty services
- Additional services not otherwise provided for in this Scope of Services.

COMPENSATION

Fixed price as identified in Attachment B.

ATTACHMENT - C

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

<u>Engineering Services</u>	<u>Completion Date</u> <u>Number of Days</u> <u>From Notice to</u> <u>Proceed</u>
Task 1	60
Task 2	90
Task 3	150

ATTACHMENT D

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONSULTANTS

PROJECT NAME: WTP No. 2 Filter Replacement - Engineering Services During Co PROJECT NUMBER: WUD 12-066
 NAME OF PRIME BIDDER: Carollo Engineers, Inc. ADDRESS: 9897 Lake Worth Rd, Suite 302, Lake Worth, FL 33467
 CONTACT PERSON: Lyle Munce, P.E. - Vice President PHONE NO. 561-868-8400 FAX NO. 561-868-6401
 BID OPENING DATE: N/A DEPARTMENT: Water Utilities

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES

Name, Address and Telephone Number of Minority Consultant	(Check one or both Categories)					Dollar Amount	
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
PRIME CONSULTANT TO COMPLETE:	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -

BID PRICE: \$121,157 Total Value of SBE Participation: No Additional SBE Participation in this Supplement

- NOTE:
1. The amount listed on this form for a Subconsultant must be supported by price or percentage included on Schedule 2 or a proposal from each Subconsultant 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.

ATTACHMENT D

SCHEDULE 2

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

PROJECT NO. WUD 12-066 PROJECT NAME: WTP No. 2 Filter Replacement

TO: No additional SBE/M/WBE Participation in this Supplement
(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: _____

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
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

at the following price
\$ _____
(Subconsultant'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 subconsultant, the amount of any such subcontract must be stated:
\$ _____

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

(Print Name of SBE-M/WBE Subconsultant)

By: _____
(Signature)

(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: _____

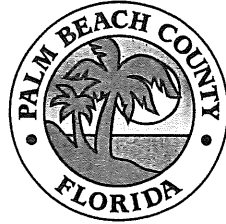
ATTACHMENT - F

AUTHORIZATION STATUS REPORT

SUMMARY OF SBE / MINORITY BUSINESS TRACKING

	Total	SBE
Current Proposal		
Value of Authorization No. 11 – Supp. 2	\$121,157	
Value of SBE - M/WBE Letters of Intent	\$0	\$0
Actual Percentage	0.00	0.00
Signed Authorizations		
Total Value of Authorizations	\$2,550,927	
Total Value of SBE - M/WBE Signed Subcontracts	\$756,846	\$756,846
Actual Percentage	29.66	29.66
Signed Authorizations Plus Current Proposal		
Total Value of Authorizations	\$2,672,084	\$2,672,084
Total Value of Subcontracts & Letters of Intent	\$756,846	\$756,846
Actual Percentage	28.32	28.32
GOAL	26%	26%

ATTACHMENT G



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

Legend

- ★ Administration
- WTF Water Treatment Facility
- RF Reclamation Facility
- WRW Wastewater Reclamation Facility
- WTF Wastewater Treatment Facility
- Mandatory Reclaimed SA
- - - Palm Beach County Limits
- P.B.C.W.U.D. Service Area



NOT TO SCALE

