PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:

June 2, 2020

Consent [X]

Public Hearing []

Regular []

Department:

Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 24 to the Consulting/Professional Services Utility Distribution & Collection System Engineering Services Contract (Contract) with Mock, Roos & Associates, Inc., (Consultant) for the West Boca Force Main Interconnect Program (Project) for a fixed price amount \$107,387.91.

Summary: On June 20, 2017, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2017-0818) with Consultant. CSA No. 24 provides for professional engineering services to design up to three (3) interconnecting pipes to improve force main redundancy in the western Boca Raton service area. These services include data collection, survey, construction plans and permitting. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Opportunity Ordinance on October 16, 2018. The SBE participation goal established under the 2002 Ordinance was 15% overall participation. The Contract provides for 97% SBE participation. CSA No. 24 includes 89.01% SBE participation. The cumulative SBE participation including CSA No. 24 is 81.75%. Consultant is a Palm Beach County Company. This Project is included in the PBCWUD FY20 Budget. (PBCWUD Project No. 20-027) <u>District 5</u> (MJ).

Background and Justification: The State Road 7 Corridor in the western Boca Raton area contains parallel regional force mains. These independent force main systems convey a large amount of wastewater flow from the West Boca service area to the Southern Region Water Reclamation Facility. Recently PBCWUD has considered the feasibility of interconnecting segments of the existing force main to provide redundancy in case of a break in one of the pipelines. The improvements to be completed under this Project will improve the reliability and operability of the wastewater collection system.

Attachments:

- 1. Three (3) Originals of Consultant Services Authorization No. 24
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended By:

Department Director

5-4-2020

Date

Approved By:

Assistant County Administrator

Date

II. FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact: A.

A. Two real Sammary	or r jocar impact	••			
Fiscal Years	2020	2021	2022	2023	2024
Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County	\$107,388 <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u> </u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	0000
NET FISCAL IMPACT	<u>\$107,388</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.: Fo	und <u>4011</u> Dept	<u>721</u>	Unit <u>W019</u>	Object <u>6547</u>	
Is Item Included in Current E	Budget?		Yes_ X	No	
Does this item include the u	se of federal fund	ls?	Yes	No X	
	Repo	orting Ca	tegory <u>N/A</u>		
D D 1.10	£		c=:		

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

One (1) time expenditure from user fees, connection fees and balance brought forward.

Department Fiscal Review: C.

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comm	iments	ommeni
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В. Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

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

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Consulting/Professional Services Utility Distribution & Collection System Engineering
Services

Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: West Boca Force Main Interconnect Program

WUD Project No.: 20-027

Consultant: Mock, Roos & Associates, Inc.

Address: 5720 Corporate Way, West Palm Beach FL 33407

Budget Line Item No.: 4011-721-W019-6547

District No.: 5

This Consultant Services Authorization provides for: Engineering services to design up to three (3)

interconnecting pipes to improve force main redundancy in West Boca service area.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for $\underline{97.00\%}$ SBE participation. This Consultant Services Authorization includes $\underline{89.01\%}$ overall participation. The cumulative SBE participation, including this authorization is $\underline{81.75\%}$.

1. Services completed by the Consultant to date :

See ATTACHMENT B.

- 2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.
- 3. 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 <u>\$0.00</u>
 - B. Fixed price of \$107,387.91
 - C. Total \$107,387.91
- 4. 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.

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Consulting/Professional Services Utility Distribution & Collection System Engineering
Services

Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: West Boca Force Main Interconnect Program

WUD Project No.: 20-027

- 5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
- 6. This Authorization does not amend, change, or modify the Contract dated <u>June 20, 2017</u> which remains in full force and effect.
- 7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution and Collection System Engineering Services
Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: West Boca Force Main Interco	onnect Program
WUD Project No.: 20-027	
IN WITNESS WHEREOF, this Authorization obligations of the aforementioned Contract	on is accepted, subject to the terms, conditions and
PALM BEACH COUNTY, A POLITICAL SU	JBDIVISION OF THE STATE OF FLORIDA
Sharon R. Bock, Clerk & Comptroller, Palm Beach County ATTEST:	Palm Beach County, Board of County Commissioners
Signed:	Signed:
	Dave Kerner, Mayor Jac
Typed Name:	
Typed Name: Deputy Clerk	Date
Approved as to Form and Legal Sufficiency	CONSULTANT: Mock, Roos & Associates, Inc.
Signed:	
	(Signature)
Typed Name:	Thomas A. Biggs, P.E., Executive Vice President
County Attorney	(Name and Title)
	(Name and Title)
	April 20, 2020
	Date
state of florida county of falm beach	
The foregoing instrument was acknowledged I	before me by means of physical presence or online notarization,
this 20day of April , 2020	, by <u>Thomas A. B iggs, P.E.</u> who is d personally known to
me or ☐ has produced	as identification.
JANE E. HAYES Commission # GG 119104	(Signature of Notary Public - State of Florida)
Expires August 15, 2021 Bonded Thru Troy Fain Insurance 800-385-7019	Janel E. Hayes
Bonded thru troy raill insulative downsor for	Print, Type, or Stamp Commissioned Name of Notary Public) 3 REVISED 1/2/20

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution and Collection System Engineering Services
Resolution No. R2017-0818 Contract Dated June 20, 2017

LIST OF ATTACHMENTS

ATTACHMENT A Scope of Services

ATTACHMENT B Summary and Status of Consultant Services Authorizations

ATTACHMENT C OEBO Schedules 1 and 2

ATTACHMENT D Project Schedule

ATTACHMENT E Budget Summary

ATTACHMENT F Summary of SBE-M/WBE Business Tracking

ATTACHMENT G Location Map

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ATTACHMENT A

SCOPE OF SERVICES

WUD Project No.: 20-027

Project Title: West Boca Force Main Interconnect Program

INTRODUCTION:

The State Road (SR) 7 Corridor in west area of the City of Boca Raton (West Boca) contains several parallel pipelines including parallel regional force mains. These independent force main systems generally convey wastewater north from the West Boca area to the Southern Region Water Reclamation Facility (SRWRF), north of Atlantic Boulevard. In several areas, these parallel force mains are in relatively close proximity to each other.

Recently the Palm Beach County Water Utilities Department (PBCWUD) has considered the feasibility of interconnecting segments of the existing force main system to provide redundancy in case of a break in one of the pipelines. PBCWUD has preliminarily identified several potential locations for the proposed interconnects. PBCWUD has requested that Mock, Roos & Associates, Inc. (CONSULTANT) review the pipeline systems and recommend up to three (3) locations where the pipelines could be interconnected to provide short-term redundancy in the event of a pipe failure. PBCWUD will provide the CONSULTANT with copies of any valve records, flow records, pressure measurements, record drawings, etc., to facilitate the evaluation and design.

It is the purpose of this program to look comprehensively at the force mains to design and construct interconnecting pipes and associated control valves in a coordinated manner to minimize disruption of traffic and surface restoration activities while implementing a planned program to improve the level of service and reliability for these facilities. The first phase is to evaluate the existing facilities and develop a plan to construct three (3) interconnecting pipes with associated isolation valves.

The evaluation will include development of preliminary Engineer's Opinion of Probable Construction Costs (EOPCC) for each interconnecting pipe location.

SCOPE OF SERVICES

Based on this understanding, CONSULTANT's detailed scope of services is provided below:

Task 1 - Data Collection

CONSULTANT already has a good understanding of the existing force main system based on information already gathered. PBCWUD will provide CONSULTANT with the latest Geographic Information System (GIS) information and all relevant record drawings. CONSULTANT will coordinate with PBCWUD and Palm Beach County Engineering and Public Works - Roadway Production Division (PBC Roadway) staff to document known issues and any other infrastructure improvement programs identified to take place in this corridor in the next five (5) years. PBCWUD will supply records of force main deficiencies and any relevant operational issues in the system. Interviews with PBCWUD Operations and Maintenance (O&M) and Engineering staff and other knowledgeable personnel will occur as needed to understand the history of the force main infrastructure.

CONSULTANT will place a "Sunshine One Call" design ticket and coordinate with the entities identified on the ticket and listed below to obtain readily available pertinent information regarding the other existing utility infrastructure within the project area.

(Page 1 of 3)

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- Palm Beach County Roadway
- Palm Beach County Water Utilities Department Distribution and Collections staff
- Palm Beach County Water Utilities Department O&M staff
- Florida Public Utilities (Natural Gas Distribution Facilities) (FPU)
- Florida Department of Transportation (Roadway Projects)
- Florida Power and Light Company (Power Distribution) (FPL)
- AT&T
- Comcast

CONSULTANT will also request available information on the location and duration of other construction projects proposed by these organizations that may occur within the program construction period.

CONSULTANT will coordinate with FPL, AT&T, Comcast, & FPU to obtain information on the existing utilities near the existing force mains for the purpose of obtaining and reviewing their existing utility infrastructure records. CONSULTANT will perform field reviews to confirm the existence of major utility elements as contained in the records. CONSULTANT will also request available information on the location and duration of proposed construction projects by these organizations that may occur within the program construction period.

Task 2 - Program Development

CONSULTANT will review the information developed and collected from Task 1 regarding existing utilities, proposed known projects/programs (roadway improvements, water main improvements, wastewater facilities, FPU, etc.) and make recommendations with PBCWUD's input regarding limits of the potential interconnecting pipelines that will be contained in the overall program. The proposed limits and phasing of the Program will be incorporated into a GIS map for presentation in the feasibility document.

Task 3 - Engineer's Conceptual Opinion of Probable Construction Cost

CONSULTANT will develop a conceptual opinion of probable construction cost for each potential interconnecting pipeline element and associated control valves.

Task 4 – Evaluation Report

CONSULTANT will develop an evaluation report on the results of the services contained in this process. This document will both serve as a guide for implementing the program as well as documenting the process for record-keeping purposes. We anticipate that the document will contain the following:

- Summary of the data collection process
- Assembly of GIS infrastructure maps/exhibits for both existing and potential improvements
- Presentation of design criteria to be used in designing the interconnecting pipelines
- Summary of meetings attended along with associated minutes
- Conceptual Opinions of Probable Construction Costs for each potential location
- Recommended Interconnect Locations (three [3] locations)
- Opinion of Phasing and Schedule

(Page 2 of 3)

A draft of the Evaluation Report will be provided for PBCWUD's review and comment. CONSULTANT will respond to one round of staff comments on the document prior finalizing. Up to five (5) hard copies of the document will be provided to PBCWUD upon approval of the report.

Task 5 - Design

After approval from PBCWUD to proceed with design of up to three (3) interconnecting pipes, CONSULTANT will design interconnections at up to three (3) locations along the route. Design will include surveying, soils investigation, and subsurface utility location services. The design may include the construction of isolating valves in the existing pipelines and the new interconnecting pipe segments. The design will include the steps necessary to connect to the existing pre-stressed concrete cylinder force main pipe. The design services will include preparing permit application packages for the following agencies:

- Palm Beach County Health Department (PBCHD)
- Palm Beach County Engineering and Public Works Land Development Division (PBCLD)
- Florida Department of Transportation (FDOT)
- Lake Worth Drainage District (LWDD)

The design services will include 60%, 90%, and Final Submittals for review and comment. CONSULTANT will attend review meetings with PBCWUD after each submittal to receive PBCWUD comments.

Task 6 - Project Management

CONSULTANT will provide project management for engineering and related services and act as the Project's Engineer of Record for the above-described project including scheduling, preparing monthly progress reports, providing Quality Assurance and Quality Control (QA/QC) of all communication and deliverables.

- Contract Administration The progress of the project will be monitored, and resources will be managed to achieve the schedule, budget, and work quality goals of the project. CONSULTANT will keep PBCWUD informed as to the status and progress of the project. Communication with PBCWUD will be conducted under this task. Invoices shall be prepared on a monthly basis.
- Quality Assurance/Quality Control (QA/QC) CONSULTANT to conduct internal QA/QC review of the deliverables for conformance to contract and internal program requirements.
 The results of these reviews will be incorporated into the deliverables prior to submission to PBCWUD for review and comment.
- 3. Monthly Status Report Submit a monthly status report summarizing the progress of the project along with an updated project schedule. This report and schedule will be submitted with each monthly invoice.

Task 7 – Bid Phase Engineering – To Be Determined

Task 8 – Engineering During Construction – To Be Determined

(Page 3 of 3)

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ATTACHMENT B SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

	WUD			Project		SBE	Δ	pproved
Auth.	Project			Total	SBE Total	Participation		
No.	No.	Title	Status	Amount	Amount	%	Ву	Date
1	17-077	Priority Aerial Canal Crossing Improvements Phase 2	Approved	\$243,900.00	\$184,464.84	75.63%	BCC	1/23/2018
1.1	17-077	Priority Aerial Canal Crossing Improvements Phase 2	Approved	\$29,646.46	\$20,596.46	69.47%	WUD	6/4/2018
2	18-026	Utility Location Services	Approved	\$44,899.74	\$13,899.74	30.95%	WUD	3/5/2018
3	14-037	Runyon Village; Water and Wastewater System Improvement	Approved	\$16,824.04	\$16,824.04	100.00%	WUD	4/6/2018
3.1	14-037	Runyon Village; Water and Wastewater System Improvement	Approved	\$5,052.93	\$5,052.93	100.00%	WUD	10/30/2018
4	18-041	Century Village Water System Valve Program - Years 2, 3, 4 and 5	Approved	\$40,523.34	\$40,523.34	100.00%	WUD	4/27/2018
5	18-044	Reclaimed Water Delivery Controls at Seminole Improvement District M2 Canal	Approved	\$28,006.39	\$28,006.39	100.00%	WUD	6/22/2018
6	18-063	12-Inc Force Main on Sandalfoot Blvd.	Approved	\$29,448.69	\$24,628.69	83.63%	WUD	7/27/2018
7	18-065	Pump Station 5229 Pump Equipment Replacement - Preliminary Study	Approved	\$29,306.75	\$14,416.75	49.19%	WUD	7/16/2018
8	18-026	Utility Location Services	Approved	\$47,005.33	\$16,005.33	34.05%	WUD	8/31/2018
9	18-072	Water Treatment Plan No. 11 Repair of Damaged 30" H.D.P.E Raw Water Main	Approved	\$22,525.63	\$22,525.63	100.00%	WUD	10/2/2018
10	18-078	Water Main Replacement on South Main St from SE Avenue K to Ice House in Belle Glade	Approved	\$67,671.25	\$56,171.25	83.00%	CRC	10/31/2018
11	19-005	Survey and Permitting of Utility Encroachments Within the Hillsboro Canal Right of Way in Belle Glade	Approved	\$49,906.88	\$29,106.88	58.32%	WUD	1/2/2019
11.1	19-005	Survey and Permitting of Utility Encroachments Within the Hillsboro Canal Right of Way in Belle Glade	Approved	\$34,942.12	\$28,892.12	82.68%	WUD	9/6/2019
11.2		Survey and Permitting of Utility Encroachments Within the Hillsboro Canal Right of Way in Belle Glade	Pending	\$14,784.62	\$12,534.62	84.78%	WUD	Pending
12		Utility Relocations for Belle Glade Citywide Sidewalk Improvements	Approved	\$82,239.36	\$82,239.36	100.00%	CRC	3/6/2019
12.1	19-013	Utility Relocations for Belle Glade Citywide Sidewalk Improvements	Approved	\$8,463.20	\$8,463.20	100.00%	WUD	10/23/2019
13	18-026	Utility Location Services	Approved	\$47,005.33	\$16,005.33	34.05%	WUD	2/25/2019
14	19-048	Palm Beach National Golf and Country Club Water Main Replacement	Approved	\$103,873.80	\$103,873.80	100.00%	ВСС	8/20/2019
15	19-047	Lift Station Pressure Nodes Addition	Approved	\$59,409.16	\$59,409.16	100.00%	CRC	9/18/2019
16	19-064	Loxahatchee Groves Park Lift Station and Force Main	Approved	\$24,233.32	\$24,233.32	100.00%	WUD	8/14/2019
17	19-086	Belvedere Heights Water Main Replacement Phase 1	Approved	\$75,230.69	\$75,230.69	100.00%	CRC	11/27/2019
18	19-050	Lake Worth Road Corridor Force Main Evaluation	Approved	\$96,869.58	\$83,669.58	86.37%	CRC	1/22/2020
19	20-007	Lift Station 8306 Improvements	Approved	\$89,701.69	\$89,701.69	100.00%	CRC	2/12/2020
20	20-008	Improvements to Lift Stations 1043, 1045, 5015 and 5209	Approved	\$164,415.66	\$148,965.66	90.60%	ВСС	3/10/2020
21		Utility Location Services	Approved	\$46,579.33	\$15,579.33	33.44%	WUD	3/12/2020
22	18-026	Utility Location Services	Pending	\$91,842.74	\$19,842.74	21.60%	CRC	Pending
23	20-028	Belvedere Heights Water Main Replacement Phase 2	Pending	\$77,191.46	\$68,691.46	88.98%	CRC	Pending
24	20-027	West Boca Force Main Interconnect Program	Pending	\$107,387.91	\$95,587.91	89.01%	BCC	Pending
25		Lift Stations 980 and 981 Improvements	Pending	\$64,637.48	\$52,987.48	81.97%	CRC	Pending

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: West B	oca Force	Main Interconnec	t Program	SOLICITA	TION/PROJECT/B	ID No.: 20-027		
NAME OF PRIME RESPONDENT/BIDDER: MC	ock, Roos	& Associates, Ir	nc.	ADDRESS	5720 Corporat	e Way, WPB, FL		
CONTACT PERSON: Thomas A. Biggs, P.E.				PHONE N	O.: (561) 683-31	13 x-216	E-MAIL: thomas.	biggs@mockroos.co
OLICITATION OPENING/SUBMITTAL DATE:	0/20/20	17		_ DEPARTN	TENT: Palm Beach	County Water Utilit	ies Department	
PLEASE LIST THE DOLLAR AMOUNT C PLEASE ALSO LIST THE DOLLAR AMO PROJECT.	R PERCE	NTAGE OF WO	ORK TO BE CO	OMPLETED BY TI	HE <u>PRIME CON</u>	TRACTOR/COI	NSULTANT ON 1	THIS PROJECT.
36-00-00-00-00-00-00-00-00-00-00-00-00-00	(Che Non-SBE	ck all Applicable Cate <u>M/WBE</u>	gories) SBE		DOLLAR AMO	UNT OR PERCENTA	GE OF WORK	
Name, Address and Phone Number		Minority/Women Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Mock, Roos & Associates, Inc. 5720 Corporate Way West Palm Beach, FL 33407			V				\$70,286.71	
2.Dennis J. Leavy & Associates, Inc. 460 Business Park Way, Suite B Royal Palm Beach, FL 33411			\checkmark				\$18,600.00	
3. Radise International, L.C. 4152 W. Blue Heron Blvd., Suite 1114 Riviera Beach, FL 33404		V	V					\$6,701.20 (Asian)
4.Craig A. Smith & Associates, Inc. 21045 Commercial Trail Boca Raton, FL 33486	\checkmark				<u>.</u>			\$11,800.00 (<u>Non-SBE</u>)
5.					-	~		-
(Please use additional sheets if necessary)			Total	1 —			\$100,686.71	\$6,701.20
otal Bid Price \$ \$107,387.91			Total SRE	/ -M/WBE Participation_	\$95,587.91 - 8	9.01%		
hereby certify that the above information is accurate	to the best o	f mv knowledge: /	1Gh	um P				. Biggs, P.E. lice President
			1100	Signature		-	Т	itle

- The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 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/or M/WBE, please indicate the dollar amount under the appropriate
- 3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

REVISED 1/2/20

OEBO LETTER OF INTENT - SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

both par Subcontra the bid/pr	tles recognize the ctors/subconsulta roposal.	ated as such. The Schedule 2 shall only shall only some state of the s	<u>nent</u> . All	Subcontracto	rs/subconsultants,	including any tiered				
SOLICITAT	TION/PROJECT NUI	MBER: <u>20-027</u>				:				
SOLICITAT	TION/PROJECT NAM	ME: West Boca Force Main Interconnec	ct Program							
Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Mock, Roos & Associates, Inc.										
	ox(s) that apply) WBE MBE	□ M/WBE □Non-S/M/WBE Da	te of Palm Be	each County Co	ertification (if applica	able): 10/16/16-10/15/19				
The unde	-	ey are the following (select one from Column 2	each column	if applicable)	:	Column 3				
☑Male □]Female	☐ African-American/Black ☐/☐ Hispanic American ☐	Asian Americ Native Ameri		sian American	□ Supplier				
properly e to be perf	xecuted Schedule 2 formed or Items supp	/M/WBE Primes must document all work for any <u>S/M/WBE</u> participation may resultiled with the dollar amount and/or percent. A detailed proposal may be attached to	t in that partic ntage for each	ipation not beir work item. S/I	ng counted. Specify in M/WBE credit will only	detail, the scope of work be given for the areas in				
Line Item		Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage				
1		Civil	1	LS		\$70,286.71				
-	 									
	_	or/subconsultant is prepared to self-perfo percentage: \$70,286.71	rm the above-	described work	in conjunction with the	e aforementioned project				
amount b	elow accompanied i	subcontract any portion of this work to a by a separate properly executed Schedul ubcontractor/subconsultant	le 2.	ontractor/subco	·	he business name and the				
	Mock, Roos & A	/ }			ssociates, Inc.	t				
	Thomas A. Bigg	,		mas A. Biggs						
	Print Name Executive Vice	President		: Name :cutive Vice F	Procident					
	Title	I LOSIGIT	 Title	outive VICE F	103IUBIII					
	Date: April 20, 2	020	Date	April 20, 20	20					

Revised 09/17/2019

OEBO LETTER OF INTENT - SCHEDULE 2

any tier) both par	ted Schedule 2 is a binding document between the Prand should be treated as such. The Schedule 2 shall ties recognize this Schedule as a binding documentors/subconsultants, must properly execute this documentors.	contain bold ment. All	ed language i Subcontracto	ndicating that by sirs/subconsultants,	gning the Schedule 2, including any tiered
SOLICITA	TION/PROJECT NUMBER: 20-027				
SOLICITA	FION/PROJECT NUMBER: 20-027 FION/PROJECT NAME: West Boca Force Main Interconne	ct Program			
Prime Co	ntractor: Mock, Roos & Associates, Inc.	Subco	ntractor: Den	nis J. Leavy & Ass	ociates, Inc.
(Check bo	wiel that anniel				able):
The unde	rsigned affirms they are the following (select one from <u>Column 2</u>	each column	if applicable)	:	Column 3
☑Male [•	Asian Americ Native Amer		sian American	☐ Supplier
properly e to be perf	PARTICIPATION – S/M/WBE Primes must document all work xecuted Schedule 2 for any S/M/WBE participation may result or med or items supplied with the dollar amount and/or perces/M/WBE is certified. A detailed proposal may be attached to	It in that partic intage for each	ipation not bein work item. S/I	ng counted. Specify in M/WBE credit will only	detail, the scope of work
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
2	Surveyor	1	LS		\$18,600.00
		<u> </u>			
				:	
	rsigned Subcontractor/subconsultant is prepared to self-perfoowing total price or percentage: \$18,600.00	rm the above-	described work	in conjunction with the	e aforementioned project
1	ersigned intends to subcontract any portion of this work to elow accompanied by a separate properly executed Schedul		ntractor/subco	nsultant, please list th	ne business name and the
N.	ame of 2 nd /3 rd tier Subcontractor/subconsultant	Price o	or Percentage: _		
***************************************	Mock, Roos & Assaciates, Inc.	Den	nis J. Leavy <i>i</i>	& Associates, Inc.	
	Print Name of Prime			tractor/subconsultant	<u> </u>
	ву: 4	By:	Dami	1 a. B.	
	Authorized Signature Thomas A. Biggs, P.E.	Davi	A d A. Bower, I	uthorized Signature	
	Print Name		u A. Bower, Name	VI.	
	Executive Vice President	Vice	President		
	Title	Title			
	Date: April 20, 2020	Date:	April 20, 202	20	

Revised 09/17/2019

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2,

	actors/subconsul	this Schedule as a binding doc tants, must properly execute this do				- ·
SOLICITA	TION/PROJECT N	JMBER: 20-027				
SOLICITA	TION/PROJECT NA	AME: West Boca Force Main Interconnect	t Program			
		Roos & Associates, Inc.	Subco	ontractor:RAI	DISE International,	L.C.
	ox(s) that apply) WBE MBE	□M/WBE □Non-S/M/WBE	Date of Palm B	each County C	ertification (if applic	able):
The unde		ney are the following (select one fro <u>Column 2</u>	m each columr	if applicable):	Column 3
☑Male □	∃ Female	☐ African-American/Black ☐ Hispanic American	☑Asian Amerio ☑Native Amer		asian American	□Supplier
properly e to be perf	xecuted Schedule a ormed or items sup	S/M/WBE Primes must document all was 2 for any S/M/WBE participation may resplied with the dollar amount and/or pered. A detailed proposal may be attached.	sult in that partic centage for eacl	cipation not bei n work item. S/	ng counted. Specify in M/WBE credit will only	detail, the scope of work
Line Item		Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
3		Geotechnical	1	LS		\$6,701.20
				<u> </u>		
-						
	•	tor/subconsultant is prepared to self-per r percentage: \$6,701.20	form the above-	described work	in conjunction with th	e aforementioned project
amount b	elow accompanied	o subcontract any portion of this work to by a separate properly executed Scheol Sche	dule 2.		onsultant, please list t	· · · · · · · · · · · · · · · · · · ·
	Mock, Roos & Print Name of Print By: Thomas A. Big Print Name Executive Vice Title Date: April 20,	Authorized Signature ogs, P.E. e President	Print By: Kun Print CE(Title	nar Allady, P	ntractor/subconsultan	t
					Re	vised 09/17/2019

OEBO LETTER OF INTENT - SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

both par	and should be treated as such. The Schedule 2 shall ties recognize this Schedule as a binding document of the schedule as a binding document of th	<u>ment</u> . All	Subcontracto	rs/subconsultants,	including any tiered
SOLICITAT	FION/PROJECT NUMBER: 20-027				
SOLICITAT	FION/PROJECT NAME: West Boca Force Main Interconnec	ct Program			
	ntractor: Mock, Roos & Associates, Inc.	Subco	ntractor:	g A. Smith & Asse	ociates, Inc.
	ox(s) that apply) ☐WBE ☐MBE ☐ M/WBE ☑Non-S/M/WBE Da	ate of Palm Be	each County Co	ertification (if appli	cable):
The unde	rsigned affirms they are the following (select one from <u>Column 2</u>	each column	if applicable)	:	Column 3
☑Male □		Asian Americ Native Ameri		sian American	□ Supplier
properly e to be perf	PARTICIPATION — S/M/WBE Primes must document all work xecuted Schedule 2 for any S/M/WBE participation may resulormed or items supplied with the dollar amount and/or percess/M/WBE is certified. A detailed proposal may be attached to the second sec	It in that partic entage for each	ipation not beir work item. S/I	ng counted. Specify in M/WBE credit will on	detail, the scope of work
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentag
4	Utility Locations	1	LS	Anowances	11,800.00
}					
at the foll	rsigned Subcontractor/subconsultant is prepared to self-performing total price or percentage: 11,800.00 ersigned intends to subcontract any portion of this work to below accompanied by a separate properly executed Schedu	another Subco			
N	ame of 2 nd /3 rd tier Subcontractor/subconsultant	Price (or Percentage:		
	Mock, Roos & Associates, Inc. Print Name By: Thomas A. Biggs, P.E. Print Name Executive Vice President Title Date: April 20, 2020	Print By: _ Step Print Sen Title	name of subco	ident	nt
	Date	Date	•		evised 09/17/2019

ATTACHMENT D

PROJECT SCHEDULE

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

Engineering Services	Completion Date from Notice to Proceed
	(Calendar Days)
Task 1 – Data Collection	60
Task 2 – Program Development	90
Task 3 – Engineer's Conceptual Opinion of Probable Construction Cost	120
Task 4 – Evaluation Report	150
Task 5 – Design	270
Task 6 – Project Management	270

Attachment E

	Attachment E		
	Budget Summary		•
Palm Beach County Water Utilities De	epartment		
Contract for Consulting/Professional Service	ces Consulting/Professional Services Utility Distribution & Collection System Engineering Services	Resolution # R2017-0818	Contract Dated June 20, 2017
Construction Service Authorization:	24		
Consultant: Mock, Roos & Associates	, Inc.		
Project name: West Boca Force Main I	nterconnect Program		
WUD Project No.: 20-027			
		fication and Hourly Rate oos & Associates, Inc.	

Task Number	Task Description	Principal (\$/hour)	Senior Project Manager (\$/hour)	Senior Project Engineer (\$/hour)	Project Engineer II (\$/hour)	Project Engineer I (\$/hour)	Senior CAD Designer (\$/hour)	Senior Field Representative (\$/hour)	Senior Administrative Assistance (\$/hour)	Mock Roos Total Labor	Sub Consultant Services	Total Costs
	Labor Raw Costs	\$72.96	\$55.26	\$58.24	\$38.78	\$27.90	\$36.8	\$39.00	\$25.00			
1	Data Collection	2		8		16				\$3,005.40		\$3,005.40
2	Program Development	2	4			12				\$1,993.00		\$1,993.00
3	Engineers Conceptual Opinion of Probabble Construction Cost	2	4	8	8	8				\$3,880.35		\$3,880.35
4	Evaluation Report	4	8	30	30					\$10,350.44		\$10,350.44
5	Design	9	20	80	60	24	160	0	16	\$44,603.45	\$37,101.20 *	\$81,704.65
6	Project Management	16	20							\$6,454.07		\$6,454.07
77	Bid Phase Services (TBD)									\$0.00		\$0.00
88	Engineering During Construction									\$0.00		\$0.00
	Labor Subtotal Hours	35	56	126	98	60	160	0	16	\$70,286.71	\$37,101.20	\$107,387.91
	Labor Raw Costs	\$72.96	\$55.26	\$58.24	\$38.78	\$27.90	\$36.8	\$39.00	\$25.00			
	Labor Multiplier	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84			
	Labor Hourly Rate	\$207.21	\$156.94	\$165.40	\$110.14	\$79.24	\$104.51	\$110.76	\$71.00			
	Labor Sub Total	\$7,252.23	\$8,788.55	\$20,840.60	\$10,793.25	\$4,754.16	\$16,721.92	\$0.00	\$1,136.00			
	Subconsultant Multiplier	1										
	Subconsultant Total with Markup	\$37,101.20										
	Reimbursable Expenses (Reproducibles, etc.)	\$0.00										
	Consultant Totals	\$107,387.91	1									
	Project Total	\$107,387.91	ĺ									
	*Sub Consultants											
	Dennis J. Leavy & Associates, Inc.	\$18.600.00	1									
	2. Radise International, L.C.	\$6,701.20	1									
	3. Craig A. Smith & Associates, Inc.	\$11,800.00				•						
	J. Craig A. Jillich & Associates, Inc.	711,000.00	1									

1

DENNIS J. LEAVY & ASSOCIATES, INC

Land Surveyors . Mappers

Revised: April 13, 2020 March 9, 2020

via Email: john.cairnes@mockroos.com

Mock-Roos & Associates, Inc. Mr. John Cairnes, P.E. 5720 Corporate Way West Palm Beach, FL 33407

RE: PROFESSIONAL LAND SURVEYING SERVICES — STATE ROAD No. 7 FORCEMAIN JUMPERS PROJECT, BOCA RATON, PALM BEACH COUNTY, FLORIDA, (DJLA #17-077-005)

Mr. Cairnes:

In response to your request for professional land surveying services, we are pleased to offer the following tasks and their respective fees. This proposal is based upon our review of the above referenced engineering plans and our interpretation of the necessary land surveying services required to successfully construct this project. In your review of this proposal you may find tasks that you may not require or you may find there are additional tasks that you do require and we have not addressed. In either event, feel free to contact our office and we will work with you to revise this proposal to accommodate your specific requirements.

I. TOPOGRAPHIC SURVEY:

- A. Obtain horizontal and vertical control utilizing Florida state plane 83/90 adjustment Horizontal Datum and NAVD 88 Vertical Datum.
- B. Prepare a Topographic Survey as defined in Rule 5J-17.050 (10)(k) of the Minimum Technical Standards adopted by the Board of Professional Surveyors and Mappers. See project limits for three (3)of the four (4) 200' x 200' sites as outlined in EXHIBIT 'A' on the attached sketch. In particular, the survey will depict the following information:
 - Topography at major ground elevation changes to depict existing ground profile at
 proposed project area. All Topographical Surveys shall have stationing established
 from south to north and west to east. This shall be accomplished by creating a
 baseline in the field to collect pertinent data which shall include the following:
 - a. Location of visible fixed improvements within the proposed project limits / right-of-way, including physical objects, roadway pavement, driveways, sidewalks, walls, curb, drainage swales, trees, signs, fences, power poles, buildings and trees of substantial size that would be pertinent to design lying adjacent to the existing right-of-way.
 - Locations of above ground existing utilities: FP&L, BellSouth, Cable TV,
 Natural Gas, Potable Water (valves, fire hydrants, and meters), Force
 Mains (valves), Sanitary Sewer, Reclaimed Water Mains (valves), Storm

460 Business Park Way, Suite B, Royal Palm Beach, Florida 33411 • Phone 561-753-0650

SURVEY@DJLASURVEY.net



Revised: April 13, 2020

March 09, 2020

State Road No. 7 Forcemain Jumpers Project Topographic Surveys (DJLA #17-077-005)

Page 2

Sewers, including invert elevations, pipe size, type and direction for storm and sanitary infrastructure.

- c. Elevations shall be indicated at 10 foot stations, at a minimum, to indicate existing grades. Intermediate grades shall be indicated at all significant grade breaks.
- d. Provide and reference benchmarks. Elevations to be referenced to an existing established City or County Benchmark.
- 2. Provide three (3) blackline sets of the drawings signed and sealed by a registered land surveyor at 1" = 20' scale and a computer disk with survey and drawing information compatible with AutoCAD Civil 3DVersion 2019.

FEE FOR THE ABOVE SERVICES:\$ 18,600.00

NOTE: PROVIDING SUB-SURFACE UTILITY MARKINGS ARE NOT A PART OF THIS SCOPE OF SERVICES.

It is the contractors/owners responsibility to review the scope of services proposed within this contract to insure that the services required to successfully complete this project will be provided.

The following statement is required by the State of Florida Statutes:

[By executing this proposal, I represent that I am a duly authorized representative of the Company named above and have full power and authority to approve this proposal].

PURSUANT TO SECTION 558.0035 OF THE FLORIDA STATUTES, AS AMENDED, AN INDIVIDUAL EMPLOYEE OR AGENT OF DENNIS J. LEAVY & ASSOCIATES, INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Revised: April 13, 2020

March 09, 2020

State Road No. 7 Forcemain Jumpers Project Topographic Surveys (DJLA #17-077-005)

Page 3

The above fees are subject to the following conditions:

- 1. Orders for construction staking will be requested via email using a Work Order Form which will be provided to you by our office.
- 2. Orders for construction staking are to go through our office for scheduling, <u>not through field</u> <u>personnel</u> and require a minimum of forty-eight (48) hour notice.
- 3. The fees shown herein are for the staking of each item one (1) time only.
- 4. Two (2) sets of approved plans for each item are to be furnished to our office with CAD disc of same along with one (1) copy of the existing survey of the subject property.
- 5. All information necessary to build this project must be provided to this firm both digitally and in hard format from the design engineering in a timely fashion.
- 6. All fees stated herein are based on the site being clear and void of all vegetation and debris, if not, a fee of \$1.00 per linear foot of manually cleared line will be applied to the task being performed. In the event the contractor can supply machinery and labor to clear line, a fee of \$0.50, for supervision, per linear foot of cleared line will be applied to the task being performed.
- 7. This proposal is valid for ninety (90) calendar days from the date which first appears on this proposal. After ninety (90) days, Dennis J. Leavy & Associates, Inc. reserves the right to review and modify the fee(s) and/or time schedule(s) stated in this proposal
- 8. Any services not included in this Proposal will be considered Additional Services. Additional Services will be provided at the hourly rates in effect at the time the services are requested, plus reimbursable expenses or for an agreed upon lump sum fee.
- 9. Sub-Consultant Fees (Title Search, Underground Locates, etc.) will be invoiced at Cost plus 10%.

DJLA Current Hourly Rates:

Principal	\$140.00/hr.
Professional Surveyor and Mapper	. \$125.00/hr.
Field Survey crew (truck, conventional survey equipment)	\$140.00/hr.
Survey Associate.	\$100.00/hr.
Computer Draftperson	\$ 85.00/hr.
Office	\$ 75.00/hr.

Revised: April 13, 2020 March 09, 2020 State Road No. 7 Forcemain Jumpers Project Topographic Surveys (DJLA #17-077-005) Page 4

These fees do not include the cost of any governmental agency submittal fee or hard costs for printing, reproductions or fees for full-time construction supervision. Representation before public bodies, review agencies, etc. will be done at applicable hourly rates. This includes, but is not limited to, any administrative processing that may be required for submittal to the various municipal and county agencies. Payment is due upon receipt of the invoice and will be considered delinquent if payment is not received within thirty (30) days of the date of said invoice. A late payment finance charge will be assessed at the rate of 1.5% per month (18% annual percentage) if payment is not received within thirty (30) days of the invoice date.

The obligation to provide services under this agreement may be terminated by either party upon receipt of written notice within seven (7) days in the event of a substantial failure by the other party to perform in accordance with the terms thereof through no fault of the terminating party. In the event of termination, Dennis J. Leavy & Associates, Incorporated shall be paid for all services rendered to the date of termination including all reimbursable expenses and termination expenses. Liability of this contact is limited to not exceed the fees stated herein. Revisions and/or additional services required outside of this agreement will be invoiced as an addendum to this contract. Fees for revisions and/or additional services will be invoiced based on our current hourly/unit rates.

This agreement, consisting of six (6) pages, represents the entire understanding between **Dennis J. Leavy** & **Associates**, **Incorporated** and **Mock-Roos** & **Associates**, **Inc.**, with respect to the project and may only be modified in writing, signed by all parties.

Thank you in giving us the opportunity to bid this project. We hope to hear from you shortly. If the terms and conditions contained herein are acceptable, please sign and return a copy of this proposal to our office.

Should you have any questions regarding the above, please do not hesitate to contact me.

Sincerely,

DENNIS J. LEAVY & ASSOCIATES, INC.

David A. Bower, P.S.M.

Vice President

Revised: April 13, 2020

March 09, 2020

State Road No. 7 Forcemain Jumpers Project Topographic Surveys (DJLA #17-077-005)

Page 5

ACCEPTANCE OF PROPOSAL: The fees, terms and conditions, and specifications contained herein are satisfactory and are hereby accepted. Dennis J. Leavy & Associates, Incorporated is authorized to perform the work as specified.

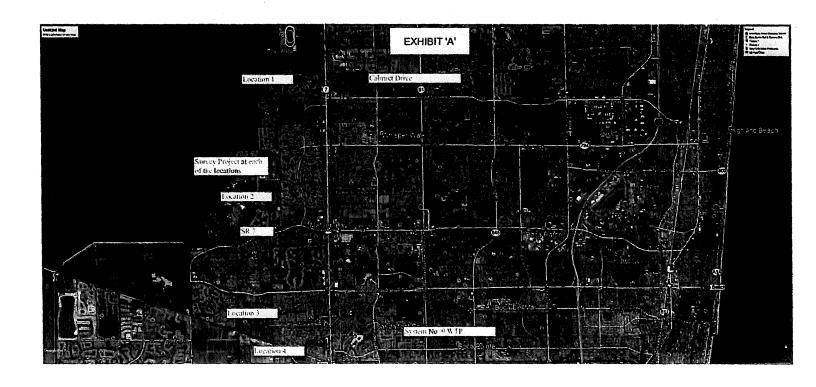
RE: PROFESSIONAL LAND SURVEYING SERVICES – STATE ROAD No. 7 FORCEMAIN JUMPERS PROJECT, BOCA RATON, PALM BEACH COUNTY, FLORIDA, (DJLA #17-077-005)

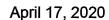
PROPOSAL ACCEPTED BY:		
Name and Title		
Traine and Three		
Firm Name		
Date of Acceptance		

The following statement is required by the State of Florida Statutes.

[By executing this proposal, I represent that I am a duly authorized representative of the Company named above and have full power and authority to approve this proposal].

PURSUANT TO SECTION 558.0035 OF THE FLORIDA STATUTES, AS AMENDED, AN INDIVIDUAL EMPLOYEE OR AGENT OF DENNIS J. LEAVY & ASSOCIATES, INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.







Mock-Roos 5720 Corporate Way, West Palm Beach, FL 33407

Attn.: Mr. John Cairnes, P.E.

Phone: (561) 472-6275

Email: John.Cairnes@mockroos.com

RE: Geotechnical Engineering Services Proposal

PBCWUD SR 7 Forcemain Jumpers Project (PA#C0009.00)

Palm Beach County, Florida

Dear Mr. Cairnes,

RADISE International, L.C. (RADISE) is pleased to submit this proposal for the above referenced project. This proposal discusses our understanding of the project, presents our proposed scope of work, and establishes our schedule and fee for performing the work.

PROJECT INFORMATION

We understand that the Palm Beach County Water Utilities Department (PBCWUD) has retained Mock-Roos for the State Road 7 (SR 7) Forcemain Jumpers Project. The project includes the connection of two adjacent forcemains along SR 7.

SCOPE OF SERVICES

The proposed scope of work for the project consists of the following:

- 1. Visit the site to field mark (paint and/or stake) the planned boring locations and observe existing site conditions.
- 2. Contact Sunshine 811 to request field location and clearance of underground utilities in the areas of the borings as per Florida Statutes.
- 3. Prepare a Temporary Traffic Control (TTC) Plan.
- 4. Mobilize a truck-mounted drilling rig to the site.
- 5. Provide TTC during the performance of the field exploration in accordance with applicable Indexes of the FDOT Standard Plans for Road Construction.
- 6. Perform two (2) Standard Penetration Tests (SPT) borings to depths of 20 feet below the existing ground surface.





4152 W. Blue Heron Blvd. Suite 1114, Riviera Beach, FL 33404



- 7. Following completion of the drilling operations, the boreholes will be backfilled with grout and asphalt surface patched, as needed.
- 8. Visually classify the collected soil samples in the field with laboratory confirmation/QC verification of classifications using the Unified Soil Classification System (USCS).
- 9. Assign and perform a series of laboratory test to ascertain soil index properties for the soils encountered in each boring.
- 10. Perform appropriate geotechnical engineering analyses and prepare a geotechnical engineering report providing the results of the SPT borings, and the soil laboratory testing. Additionally, the report will provide recommendations regarding proposed backfilling and compaction, dewatering, and other considerations for site construction including utility excavations.

SCHEDULE/DELIVERABLES

Upon receiving written authorization to proceed, we will commence with field marking of the boring locations and preparation of the utility locate request. Mobilization for the drilling operations will occur soon after Sunshine 811 clearance of boring locations is received from the contacted utilities. These two upfront activities are expected to require no more than 3 weeks to complete.

The specified field drilling work is expected to require 1 day to complete. Laboratory visual classification of the soils and report preparation will require about 3 weeks to complete following completion of field work. We expect to provide the final report signed and sealed by a registered professional engineer within 6 weeks of notice to proceed; however, accelerations of this schedule may be facilitated if needed.

COMPENSATION & TERMS

Based upon our understanding of the project and interpretation of your requirements, we propose to perform the scope of work outlined previously for a Lump Sum Fee as detailed in the Fee Breakdown on Attachment A.

Soil samples obtained from the drilling operations will be retained by RADISE for a period of 90 days from the date of drilling and then they will be discarded unless alternate terms are agreed to in writing with the client.



CLOSURE

RADISE appreciates the opportunity to provide our services for this project, and trust that the scope of work and fee presented in this proposal are clear and understandable. Should the proposal contents require any clarification or amplification, please feel free to contact us.

Sincerely,

RADISE International, L.C.

Andrew Nixon, P.E. Operations Manager

Attachments: A - Fee Breakdown





ATTACHMENT A - FEE BREAKDOWN

Geotechnical Engineering Services PBCWUD SR 7 Forcemain Jumpers Project (PA#C0009.00) Palm Beach County, Florida

						Unit	
		Qty	Unit	Uı	nit Price	Contract ID	Total
1.0	FIELD EXPLORATIONS						
	1.1 Stake borings & Utility Clearance (Staff Engineer)	6	Hour	\$	105.00	VIII.4	\$ 630.00
	1.2 Temporary Traffic Control (TTC) Plan (Staff Engineer)	2	Hour	\$	105.00	VIII.4	\$ 210.00
	1.3 Mobilization of Truck Mounted Drilling Equipment to Project (50-Mile Travel)	1	Each	\$	360.00	VI.8.1	\$ 360.00
	1.4 TTC Cones & Signs	1	Day	\$	150.00	N/A	\$ 150.00
	1.5 SPT Borings (2 to 20')						
	1.5.1 Standard Penetration Drilling - Truck w/Std Sampling (0'-50')	40	Foot	\$	15.00	VI.3	\$ 600.00
	1.5.2 Casing - 0' to 50' (VI 5)	40	Foot	\$	6.70	VI.5	\$ 268.00
	1.5.3 Grout Bore Holes - 0' to 50'	40	Foot	\$	4.38	VI.4	\$ 175.20
					TOTAL	FIELD WORK	\$ 2,393.20
2.0	LABORATORY SERVICES						
	2.1 Classification QC/Verification (Staff Engineer)	2	Hour	\$	105.00	VIII.4	\$ 210.00
	2.2 Natural Sample Moisture Content	4	Each	\$	15.00	1.10	\$ 60.00
	2.3 Full Grain Size (8 sieves)	2	Each	\$	85.00	III.1.A	\$ 170.00
	2.4 Wash Through (#200)	2	Each	\$	47.00	III.1.B	\$ 94.00
	2.5 Organic Content Test	2	Each	\$	46.00	1.7	\$ 92.00
	•		TOTAL	LA	BORATO	RY SERVICES	\$ 626.00
3.0	PROFESSIONAL ENGINEERING AND REPORTING SERVICES						
	3.1 Senior Geotechnical Engineer	4	Hour	\$	155.00	VIII.2	\$ 620.00
	3.2 Project Engineer	16	Hour	\$	135.00	VIII.3	\$ 2,160.00
	3.3 Staff Engineer	6	Hour	\$	105.00	VIII.4	\$ 630.00
	3.4 Drafter / CADD	4	Hour	\$	68.00	VIII.7	\$ 272.00
			TOTAL P	ROF	ESSIONA	AL SERVICES	\$ 3,682.00
					TOTA	L AMOUNT	\$ 6,701.20

Craig A. Smith & Associates

Utility Locations / Vacuum Excavation 21045 Commercial Trail Boca Raton, FL 33486



Customer:

Mock Roos

John Cairnes, PE, SPM 5720 Corporate Way WPB FL 33407 cell 561-472-6275

QUOTATION

DATE 4/17/2020
Quotation # 20-MR-WO#??
Customer ID TBD

Customer ID TBD Project # 20-9999-MISC

Quotation valid until: 6/16/2020 Prepared by: JFD

Comments or Special Instructions:

Per email provide 20 utility softdigs info for size ,type, material, and location please see attached PDF SR 7 FM Jumpers

Description of Services to be Performed	Quantity		Unit Price	U	Init Total
Task 1 Cooridnation with one call (per 5)	1.00	\$	150.00	\$	150.00
Task 2 Locates with Ground Penetrating Radar (GPR) (per 5)	4.00	\$	150.00	\$	600.00
task 3 Locate with Vacuum Digging (POT-HOLING) and Mark Facilities as per engineer (20)	20.00	\$	395.00	\$	7,900.00
GPS locate with sketch (PSM)	21.00	\$	150.00	\$	3,150.00
Facility depths are not provided from surface designations. If facility depths are required, vacuum excavations will be necessary. CAS can provide depth approximations from EM or GPR equipment, but these are estimations and are not considered accurate.					:
	Propos	al T	otal	\$	11,800.00

Payment Terms are Invoice Net 30. Late Fees of 1.5% per month accrue after 30 days.

Approved Date balances including, reasonable Attorney Fees and Court Costs.		Accepted & Approved: Approved	Mock Roos Date	Signing this document constitutes a Contract and Promise to Pay. Customer agrees to pay all charges associated with the work performed. Payment terms are Net 30. Interest on late payments or balances will accrue at the rate of 1.5% per month after 45 days deliquency. CAS reserves all rights to secure payment and Debtor may be liable for all costs associated with collection of outstanding balances including, reasonable Attorney Fees and Court Costs.
---	--	--------------------------------	-----------------	--







THANK YOU FOR YOUR BUSINESSIII Phone: 561-791-9280 Fax: 561-791-9818

ATTACHMENT F

AUTHORIZATION STATUS REPORT

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

Master Contract Goal: 97.00%

SBE

<u>89.01%</u>

Current Proposal

Value of Authorization No.24\$107,387.91Value of SBE-M/WBE Letters of Intent\$95,587.91

Signed/Approved Authorizations

Actual Percentage

Total Value of Authorizations \$1,487,680.67

Total Value of SBE-M/WBE Signed Subcontracts \$1,208,485.51

Actual Percentage 81.23%

Signed/Approved Authorizations Plus Current Proposal

Total Value of Authorizations \$1,595,068.58

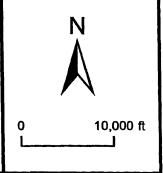
Total Value of Subcontracts & Letters of Intent \$1,304,073.42

Actual Percentage \$81.75%

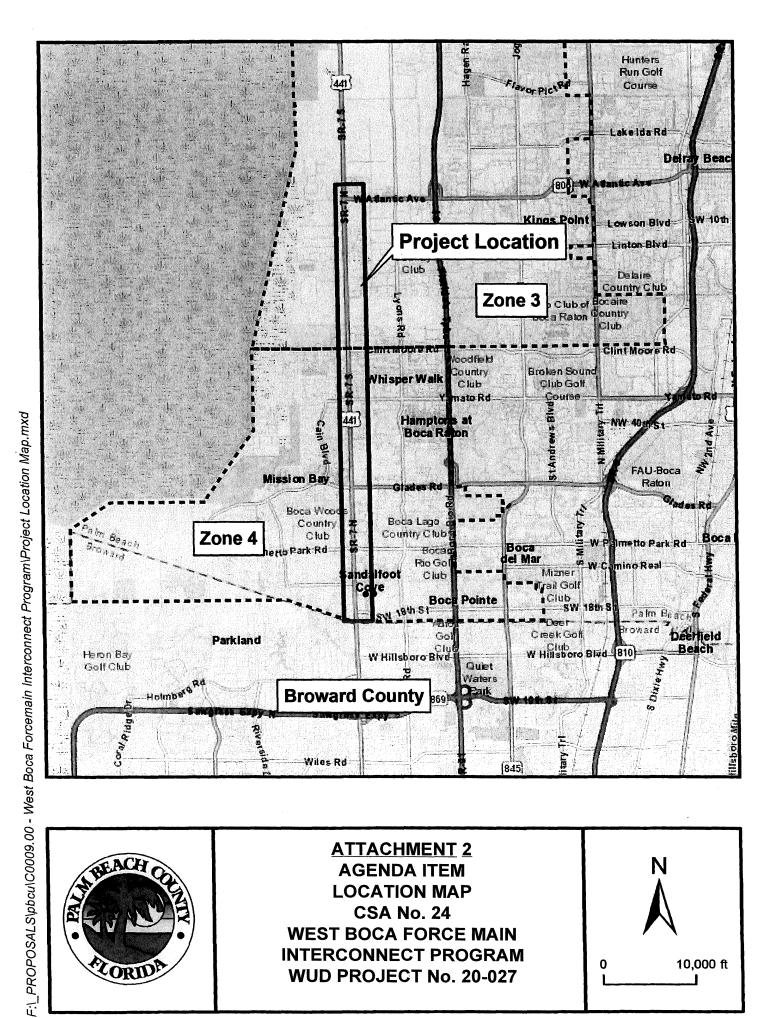
REVISED 1/2/2020



ATTACHMENT G
LOCATION MAP
CSA No. 24
WEST BOCA FORCE MAIN
INTERCONNECT PROGRAM
WUD PROJECT No. 20-027

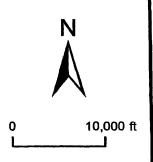


F:_PROPOSALS\pbcu\C0009.00 - West Boca Forcemain Interconnect Program\Project Location Map.mxd





ATTACHMENT 2 AGENDA ITEM LOCATION MAP CSA No. 24 WEST BOCA FORCE MAIN INTERCONNECT PROGRAM WUD PROJECT No. 20-027



Client#: 1095989 Attachment 3

MOCKROO2

ACORD.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/12/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

this certificate does not confer any rights to th	e certificate noider in lieu of such endorsement(s).	
PRODUCER	CONTACT Kandi Schmitz	
USI Insurance Services, LLC	PHONE (A/C, No, Ext): 561-693-0504 FAX (A/C, No): 855-4	20-6662
360 Columbia Drive, Suite 105	E-MAIL ADDRESS: kandi.schmitz@usi.com	
West Palm Beach, FL 33409	INSURER(S) AFFORDING COVERAGE	NAIC#
561 693-0500	INSURER A: Transportation insurance Company	20494
INSURED	INSURER B ; Continental insurance Company	35289
Mock, Roos & Associates, Inc.	INSURER C: Valley Forge Insurance Company	20508
5720 Corporate Way	INSURER D:	
West Palm Beach, FL 33407	INSURER E :	
	INSURER F:	

CO	OVERAGES CERTIFICATE NUMBER: REVISION NUMBER:								
	THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS								
	CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS,								
E	KCLUSIONS AND CONDITIONS OF SUCH	POLI	CIES.		BEEN REDUCED I	BY PAID CLAI			
INSR LTR	TYPE OF INSURANCE	ADDL INSR		POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	s	
Α	X COMMERCIAL GENERAL LIABILITY	Х	Х	5084971043		2 1 1 2 1 1 2 2 2 4	EACH OCCURRENCE	\$1,000,000	
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$100,000	
							MED EXP (Any one person)	\$15,000	
							PERSONAL & ADV INJURY	\$1,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$2,000,000	
	POLICY X PRO-					}	PRODUCTS - COMP/OP AGG	\$2,000,000	
	OTHER:							\$	
В	AUTOMOBILE LIABILITY	Х	Х	5084970412	01/01/2020	01/01/2021	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000	
	X ANY AUTO					Ì	BODILY INJURY (Per person)	\$	
	OWNED SCHEDULED AUTOS							\$	
	X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
								\$	
В	X UMBRELLA LIAB X OCCUR	X	X	5084970362	01/01/2020	01/01/2021	EACH OCCURRENCE	\$4,000,000	
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$4,000,000	
	DED X RETENTION \$10000							\$	
С	WORKERS COMPENSATION		Х	5084970328	01/01/2020	01/01/2021	X PER OTH-		
	ANY PROPRIETOR/PARTNER/EXECUTIVE N	N/A			1		E.L. EACH ACCIDENT	\$500,000	
	(Mandatory In NH)	"'^^					E.L. DISEASE - EA EMPLOYEE	\$500,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$500,000	
_	1	<u> </u>							
	DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)								
ı	Ten days Notice for Non Payment of Premium; 30 days Notice All Other.								
	nen required by contract:			ith Duaduata Camulat		18/-b			
1	neral Liability: Blanket Additiona	IIIS	urea	with Products-Complet	ed Operations,	waiver of i	ransier of		
,	ghts of Recovery against others.		J 187	aires of Tuomofos of Diah	to of Donassons	A!+ O+	.la		
1	tomobile Liability: Designated Ins	sure	a, w	aiver of Transfer of Rigr	its of Recovery	Against Ot	ners.		
(30	ee Attached Descriptions)								
CE	RTIFICATE HOLDER				CANCELLATION				
	Dolm Basah County				SHOULD ANY OF	THE ABOVE D	ESCRIBED POLICIES BE CA	ANCELLED BEFORE	

CERTIFICATE HOLDER	CANCELLATION
Palm Beach County Water Utilities Department Director Utilities Engineering	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
8100 Forest Hill Blvd	AUTHORIZED REPRESENTATIVE
West Palm Beach, FL 33413	5: M Canl

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ACORD 25 (2016/03) 1 of 2 #S27336309/M27334676 The ACORD name and logo are registered marks of ACORD

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DESCRIPTIONS (Continued from Page 1)	
Workers Compensation: Waiver of Our Right to Recover from Others.	
WUD#17-005, Consulting/Professional Services for Utility Distribution & Collection System Engineering Services. Ten days Notice for Non Payment of Premium; 30 days notice for all other. When required by contract: General Liability: Blanket Additional Insured with Products-Completed Operations, Waiver of Transfer of Rights of Recovery against others. Automobile Liability: Designated Insured, Waiver of Transfer of Rights	
of Recovery against others. Workers Compensation: Waiver of Our Right to Recover from Others. For All Projects with Palm Beach County. Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents as Additional Insured.	

SAGITTA 25.3 (2016/03) 2 of 2 #S27336309/M27334676 Client#: 1048703

MOCKROO

ACORD_{IM}

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/22/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on

	ertificate does not confer any rigi	its to	me c	eruncate noider in lieu o			պs <i>)</i> .			
RODUCE					CONTAC NAME:	·		TEXV		
USI Insurance Services, LLC 2502 N Rocky Point Drive					PHONE (A/C, No, Ext): 813 321-7500 FAX (A/C, No):					
	<u> </u>				E-MAIL ADDRESS:					
uite 4							INSURER(S) AFI	FORDING COVERAGE		NAIC#
ampa, FL 33607						A : XL Specia	alty Insurance	e Company		37885
SURED					INSUREF	RB:				
	Mock, Roos & Associates	, Inc.			INSURE	R C :				
	5720 Corporate Way				INSURE	R D :				
	West Palm Beach, FL 334	07-20)66		INSURE					
					INSURE					
OVER	RAGES CER	TIFIC	ATE	NUMBER:		····	i	REVISION NUMBER:		
INDIC/ CERTI	IS TO CERTIFY THAT THE POLICIE: ATED. NOTWITHSTANDING ANY RE IFICATE MAY BE ISSUED OR MAY USIONS AND CONDITIONS OF SUCH	QUIRE PERTA	MENT IN, T	T, TERM OR CONDITION OF THE INSURANCE AFFORDED	F ANY (CONTRACT OF IE POLICIES	OTHER DOOD	CUMENT WITH RESPECT HEREIN IS SUBJECT TO A	TO WH	IICH THIS
R	TYPE OF INSURANCE	ADDL INSR	SUBR	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMIT	s	
1	COMMERCIAL GENERAL LIABILITY					,		EACH OCCURRENCE	\$	
	CLAIMS-MADE OCCUR			,				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	
_								MED EXP (Any one person)	\$	
		.		,				PERSONAL & ADV INJURY	\$	
GE	N'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$	
F	POLICY PRO- JECT LOC							PRODUCTS - COMP/OP AGG	\$	
+	OTHER:	+						COMBINED SINGLE LIMIT	\$	
AU	TOMOBILE LIABILITY							(Ea accident)	\$	
-	ANY AUTO OWNED SCHEDULED							BODILY INJURY (Per person)	\$	
	AUTOS ONLY AUTOS							BODILY INJURY (Per accident)	 	
_	HIRED AUTOS ONLY AUTOS ONLY							PROPERTY DAMAGE (Per accident)	\$	
									\$	
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$	
	EXCESS LIAB CLAIMS-MAD	E						AGGREGATE	\$	
	DED RETENTION\$								\$	
	ORKERS COMPENSATION							PER OTH- STATUTE ER		
	ID EMPLOYERS' LIABILITY IY PROPRIETOR/PARTNER/EXECUTIVE FICER/MEMBER EXCLUDED?	7 I						E.L. EACH ACCIDENT	\$	
	FICER/MEMBER EXCLUDED?	N/A						E.L. DISEASE - EA EMPLOYEE	1	
lίfν	/es, describe under ESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT \$		
	rofessional	-	 	DPR9959099		NA/26/2020	04/26/2021	\$3,000,000 per clain		
	ability			D1 1(9909099		U-1/2U/2U/2U	0-1 £01 £02 I	\$3,000,000 per ciall \$3,000,000 anni agg		
rofes E: S	PTION OF OPERATIONS / LOCATIONS / VEH ssional Liability coverage is v ystem Engineering Services I bution & Collection System E	ritter Projec	on ct No	a claims-made basis. b. WUD #17-005, Const				•		
ERTI	IFICATE HOLDER				CANO	ELLATION				
	Palm Beach County Water Utilities Departm Director Utilities Engin		g		THE	EXPIRATIO	N DATE TH	ESCRIBED POLICIES BE CA EREOF, NOTICE WILL E DLICY PROVISIONS.		
	8100 Forest Hill Boulev West Palm Beach, FL	ard	•			RIZED REPRESI	ENTATIVE	<u>. </u>		
								CORD CORPORATION	All ric	hts reserve

ACORD 25 (2016/03) 1 of 1 #S28569888/M28569884

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