City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
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ONE CITY. ONE JACKSONVILLE.

March 30, 2020

TO: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

THRU: John P. Pappas, P.E.
Director

FROM: William J. Joyce, P.E.
Director of Operations

Robin G. Smith, P. E.
Chief, Engineering and Construction Management Division

SUBJECT: P-49-15 Coastal Engineering Services for Beach Re-nourishment Projects
Consultant Services Account Nos.: N/A
Contract 9481-01 Amendment 3
Internal Services Account No.: 00111.153001

The subject contract is set to expire May 1, 2020. All work has been completed satisfactorily. Section 1.2 of the contract allows for two @ two year renewals. Negotiations with Olsen Associates, Inc. for Coastal Engineering Services for Beach Re-nourishment Projects has resulted in the attached Scope of Services, Exhibit G and Fee Summary, Exhibit H. The encouragement plan was utilized for this contract. There is no rate increase associated with this amendment.

Accordingly, this is to recommend that Contract 9481-01 originally executed May 2, 2016, between the City and Olsen Associates, Inc. for Coastal Engineering Services for Beach Renourishment Projects be amended by incorporating the attached Scope of Services, Exhibit G and Fee Summary, Exhibit H; to extend the expiration date to May 1, 2022 and to increase the not to exceed limit for Professional Coastal Engineering Services by $120,608.07 to a new limit of $508,447.90 and to add a new not to exceed limit for Hydrograph Surveys in the amount of $41,300.00; thereby increasing the maximum indebtedness to the city by $161,908.07 to a new maximum indebtedness of $561,747.90 with all other conditions remaining the same.

Funding for the amendment to be encumbered as follows:

Accounts		Total
001803	010002	
PWEN Beach & Dune Restoration	PWEN Beach & Dune Restoration	
549006	549006	
2	1	
11404-381910-PWE00416	11403-334391-PWE00419	
$85,989.38	$75,918.69	$161,908.07

RGS/lw

Attachments: Exhibits G & H

cc: Lori A. West, Engineering and Construction Management
Gary Goldsberry, P.E. Engineering and Construction Management

EXHIBIT G

28 February 2020

Gary J. Goldsberry, P.E.
Engineering Design Section
Department of Public Works
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202

Re: **P-49-15 Coastal Engineering Services for Beach Renourishment Projects**
Proposed Two-Year Extension 2020-22

Dear Mr. Goldsberry:

Please find attached our firm's proposed Scope of Work and Fees for a two-year extension of our existing contract P-49-15 for coastal engineering services, originally dated 2 May 2016, for your consideration. This submittal describes the tasks and costs associated with a 2-year contract period from 1 May 2020 to 30 April 2020. Exhibit 1 describes the proposed Scope of Work to be accomplished by the firm and its subcontractors. Exhibit 2 describes the cost proposal for the 2-year extension period services. Exhibit 3 includes supporting fee information for subcontractors.

The labor rates are unchanged from the base 2016-18 contract. Our anticipated work and fee requirements over the next 2-year period (May 2020 - April 2022) are similar in scope to those of the two 2-year periods of our existing contract, since May 2016. The work includes Years 1 and 2 post-construction physical and environmental monitoring of the 2019 beach nourishment project required by permits, assistance with grant management & reimbursements, coordination with the Corps of Engineers for project planning, and related beach management. No construction or design for damage repair activities are anticipated or included in this proposal. Work required for storm damage assessments and repairs, if any, will be addressed through separate amendment or task orders, if necessary.

Overall, the proposed additional cost allowance for the 2-year extension, 2020-22, is $161,908.07. This is slightly less than the initial 2-year period of the existing contract ($174,500) and the first 2-year extension ($171,807). The proposed costs are eligible for State reimbursement (46.89% of expended costs) through FDEP Grant Agreement 19DU1 with the City.

Please do not hesitate to contact me at kbodge@olsen-associates.com or (904) 387-6114 if you have any questions regarding this submittal. Thank you.

Sincerely,

Kevin R. Bodge, Ph.D., P.E.
President

Att: Exhibits 1, 2, and 3
Cc: Lori West

SCOPE OF SERVICES

COASTAL ENGINEERING SERVICES FOR BEACH RENOURISHMENT PROJECTS

CITY OF JACKSONVILLE, FLORIDA

28 February 2020

1. Olsen Associates, Inc. (Consultant) shall provide professional coastal engineering services to the City of Jacksonville (City) in review and support of the Duval County Federal Shore Protection Project (Project), and related beach management tasks in Duval County, FL in accordance with the scope of work outlined below.

2. The Scope of Work (SOW) reflects activities that are presently anticipated over 24 months from approximately 1 May 2020 through 30 April 2022, more or less. These activities include the Consultant's engineering review and analysis, design, permitting, interagency coordination, physical and environmental monitoring, planning and correspondence, and quality assurance, required on the part of the City – as the non-federal sponsor and permittee -- to implement the Project in accordance with State permits and federal agreements, in addition to review of related activities attendant to dredging, beach-, offshore- or nearshore-disposal of sediment from the St. Johns River along or near the Project area and other tasks related to beach management in and for the City of Jacksonville.

   Principal among these activities shall be (1) Year-1 and -2 physical and environmental monitoring in summer 2020 and summer 2021, pursuant to the 2018/19 beach & dune renourishment, (2) coordination and review of Year-2 and -3 tilling in early spring 2021 and 2022, and (3) planning required for the next Project renourishment by the US Army Corps of Engineers (Corps). This SOW includes engineering, monitoring and related work pursuant to completion of the 2018/19 renourishment of the beach berm and dune. It does not include storm damage assessments, design or monitoring for construction of storm-damage repair.

3. Toward permit-required monitoring of the 2018/19 Project renourishment, the Consultant shall provide the following services.

   a) Coordinate with Beaches Sea Turtle Patrol (BSTP) to ensure that the Project beach is monitored for marine turtle nesting activity and success for Years 1 & 2 post construction (Summer 2020, 2021).

   b) Collect on/offshore beach profile survey data at 52 lines at established monuments (R31-R80, plus adjacent R2-R3), analyze beach volume and shoreline changes, and prepare Year-1 post-construction physical monitoring report (Summer 2020) in compliance with Project permit's Physical Monitoring Plan. Note – This SOW includes cost allowance for beach profile surveys, because it is anticipated that the survey data shall not be provided by the Corps of Engineers.

   c) Collect on/offshore beach profile survey data at up to 18 lines at every third monument (R31-R80), analyze beach volume and shoreline changes, and prepare synopsis Year-2 post-construction physical monitoring memo report (Summer 2021).

d) Assist City with implementing beach tilling and escarpment removal at Year-2 and -3 post-construction (February-March 2021and February-March 2022) per permit requirements; including identification of required tilling areas, limited permit compliance review, and reporting. Provide shorebird and/or marine turtle monitoring if tilling occurs after early-season deadlines. Tilling construction will be by separate COJ subcontractor and is not included in this SOW.

4. Toward implementation and planning for dune protection, storm readiness, and for the next project renourishment, the Consultant shall provide the following services.

a) Coordinate with the City and Corps in projecting future renourishment physical and financial requirements.

b) Assist the City in preparing a plan, permits, and construction contracts to provide for emergency dune fill placement at street ends in advance of impending storm events, in cooperation with the Beaches Cities. Prepare and acquire FDEP permit modifications for such works, at the direction of the City.

c) Assist the City in responding to physical modifications and technical questions & issues related to the project's dune features and maintenance thereof.

5. Toward acquiring, contracting, and managing State grant cost-share funds for the Project, the Contractor shall provide the following services.

a) Prepare, and/or assist the City in preparing, its Local Government Funding Requests for State cost-share funding of the Project, for State FY21/22 and FY22/23 (due fall 2020 and fall 2021).

b) Prepare Scopes of Work for FDEP approval and amendment to FDEP State cost-share Grant Agreements, and assist the City in review of the Agreements and preparing Reimbursement-Requests for State funding under the Grant Agreements. Assist the City in completing all remaining reimbursements for Hurricanes Matthew and Irma.

c) Prepare and submit to FDEP quarterly reports summarizing progress completed for each task with the FDEP State Grant Agreements with the City, as required by the Agreements.

d) Review proposed or existing changes in public beach access or parking to the extent that it may affect State cost-share for the Project.

6. To provide technical coastal engineering review and assistance to the City in regard to other tasks associated with management of the Project and the City's beaches, the Contractor shall provide the following services.

a) Assist the City in coordination and consultation with the Florida Dept. of Environmental Protection (FDEP), local governments (Cities of Atlantic Beach, Neptune Beach, and Jacksonville Beach), Beaches Sea Turtle Patrol (BSTP), and other relevant agencies and local interests toward implementation of all beach renourishment and subsequent monitoring requirements, including review of and/or coordination associated with potential beach- and/or nearshore-disposal of dredged

material from the St. Johns River Entrance along the Duval County shoreline, and Regional Sand Management (RSM) as it relates to dredging and/or modifications to the ocean shorelines of Duval County.

b) Participate in meetings, correspondence, briefings, and the general provision of technical expertise in assisting the City in formulating, and implementing, best management practices for the maintenance and restoration of Duval County's sandy shores, storm damage and flood protection, ocean inlets, and attendant resources.

c) Initiate preliminary coordination with the Corps for renewal of the Project's federal authorization, which otherwise expires in 2028.

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Coastal Engineering Services for Beach Renourishment Projects (P-49-15)	2. Proposal Number P-49-15 Two Year Extension 2018-20
3. Name of Consultant Olsen Associates, Inc.	4. Date of Proposal 03/07/18

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$80.37	2	$160.74	
Principal II	$72.00	280	$20,160.00	
Senior Engineer	$61.09	4	$244.36	
Coastal Engineer I	$46.55	310	$14,430.50	
Coastal Engineer II	$38.55	108	$4,163.40	
Coastal Engineer III	$34.91	40	$1,396.40	
Draftsman	$26.18	60	$1,570.80	
Admin Assistant	$25.46	68	$1,731.28	
TOTAL DIRECT LABOR		872	Hours	$43,857.48
6. Overhead (Combined Fringe Benefit & Administrative)			150%	$65,786.22
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$109,643.70
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$10,964.37

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
	$	
	$	
	$	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL (Items 5, 6, 8, 9 and 10)		$120,608.07
11. REIMBURSABLE COSTS (Limiting Amount)		
Hydrographic surveys *(ARC Surveys & Mapping)* Summer 2020-2021	$ 41,300.00	
Marine Turtle monitoring & relocation *(BSTP)*	$ 0.00	
Lighting Surveys *(LG2 Env Solutions)*	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$41,300.00

PART IV - SUMMARY		
TOTAL AMOUNT OF AMENDMENT #6 (Reimbursables) (Items 5, 6, 8, 9, 10 and 11)		**$161,908.07**
12. PRIOR CONTRACT AMOUNT (Through Amendment #	2	$399,839.83
AMENDED AMOUNT OF CONTRACT		**$561,747.90**

EXHIBIT H

ARC Surveying & Mapping Inc

Coastal (Bathymetric/Topographic) Beach Surveys for Permit-Required Monitoring

Proposed Cost to Olsen Associates Inc for City of Jacksonville Beach Renourishment

Task 1. Allowance for 52 Onshore/Offshore Profile Lines - Duval County, FL (summer 2020)

LABOR	RATE	O. H. FACTOR	RATE	10% PROFIT	BILLABLE RATE	HRS.	TOTAL	TOTAL LABOR & EQUIPMENT
Project Mgr	$ 36.00	1.50	$ 90.00	$ 9.00	$ 99.00	27	$ 2,673.00	
3 Man Crew	$ 52.91	1.50	$ 132.28	$ 13.23	$ 145.50	92	$ 13,386.00	
Drafting	$ 27.27	1.50	$ 68.19	$ 6.82	$ 75.00	76	$ 5,700.00	
TOTAL LABOR					$ 319.51			$ 21,759
EQUIPMENT								
RTK/GPS	$ 394.50	10 days @ $394.50/day					$ 3,945.00	
ATV	$ 85.00	10 days @ $85/day					$ 850.00	
25' Boat	$ 500.00	5 days @ $500/day					$ 2,500.00	
Fathometer	$ 100.00	5 days @ $100/day					$ 500.00	
Motion Compensator	$ 230.00	5 days @ $230/day					$ 1,150.00	
Less adjustment							$ (24.00)	
								$ 8,921
Task 1. TOTAL LABOR & EQUIPMENT PER SURVEY SET (52 lines)					*Cost/Line=*	*52*	*$ 590.00*	***$ 30,680***

Task 2. Allowance for 18 Onshore/Offshore Profile Lines - Duval County, FL (summer 2021)

LABOR	RATE	O. H. FACTOR	RATE	10% PROFIT	BILLABLE RATE	HRS.	TOTAL	TOTAL LABOR & EQUIPMENT
Project Mgr	$ 36.00	1.50	$ 90.00	$ 9.00	$ 99.00	10	$ 990.00	
3 Man Crew	$ 52.91	1.50	$ 132.28	$ 13.23	$ 145.50	32	$ 4,656.00	
Drafting	$ 27.27	1.50	$ 68.19	$ 6.82	$ 75.00	25	$ 1,875.00	
TOTAL LABOR					$ 319.51			$ 7,521
EQUIPMENT								
RTK/GPS	$ 394.50	3 days @ $394.50/day					$ 1,183.50	
ATV	$ 85.00	3 days @ $85/day					$ 255.00	
25' Boat	$ 500.00	2 days @ $500/day					$ 1,000.00	
Fathometer	$ 100.00	2 days @ $100/day					$ 200.00	
Motion Compensator	$ 230.00	2 days @ $230/day					$ 460.00	
Less adjustment							$ -	
								$ 3,099
Task 2. TOTAL LABOR & EQUIPMENT PER SURVEY SET (18 lines)					*Cost/Line=*	*18*	*$ 590.00*	***$ 10,620***

Task 1 & 2. TOTAL ***$ 41,300***